



City of Hutto

Agenda

City Council Meeting

Thursday, September 28, 2023 at 7:00 PM

City Council Chambers

Hutto City Hall

500 W. Live Oak Street

In accordance with the Texas Open Meetings Act this meeting agenda is posted for public information, continuously, for at least 72 hours prior to the scheduled time of the meeting on the bulletin board located on the exterior wall of the City Hall building at 500 West Live Oak, Hutto, Texas. This meeting agenda is also accessible via the Internet at huttotx.gov

1. CALL SESSION TO ORDER

2. ROLL CALL

3. INVOCATION

4. PLEDGE OF ALLEGIANCE

5. PROCLAMATION

5.1. World Teacher Day

6. PUBLIC COMMENT

Any citizen wishing to speak during public comment may do so after completing the required registration form. The purpose of this item is to allow the residents of Hutto and other interested persons an opportunity to address the City Council on agenda issues and on non-agenda issues that are a matter of the jurisdiction of the City Council (i.e., City policy or legislative issues). Non-agenda issues regarding daily operational or administrative matters should be first dealt with at the administrative level by calling City Hall at (512) 759-4839 during business hours. Each person providing public comment will be limited to 3 minutes. Any citizen wishing to speak during public comment may do so after completing the required registration form. Written comments for this meeting may also be sent to comments@huttotx.gov PRIOR to 4:00 pm on September 28, 2023. The email must include name, address, phone # and email to be recognized properly. Written comments will be provided to Council.

7. BOARDS AND COMMISSIONS ACTION

7.1. Consideration and possible action regarding possible appointments, re-appointments and/or removals to City Boards, Commissions, Task Forces, Economic Development Corporations, Local Government Corporations and Tax Increment Reinvestment Zone Boards, City Council Liaisons, and Area Government appointments.

8. ORDINANCES

8.1. Consideration and possible action on approval of Ordinance No. O-2023-067 regarding Blanket Purchase Orders (First Reading) (Anne LaMere)

8.2. Consideration and possible action to reconsider Ordinance No. O-2023-062 for the proposed Specific Use Permit request for the property known as 4037 FM 1660 (North), to allow an elevated water pump station (UDC 10.304.8) (Second Reading) (Ashley Bailey)

9. RESOLUTIONS

- 9.1. Consideration and possible action on Resolution No. R-2023-249 for the issuance of \$11 million in tax-supported General Obligation Bonds for park improvements (Anne LaMere and Jim Sabonis)
- 9.2. Consideration and possible action on Resolution No. R-2023-241 for the reconciliation of Fund 60 Bond Fund to include reclassification of expenses to the General Fund, 2022 General Obligation Bond Fund, and Park Improvement Fund (Anne LaMere and Christina Bishop)

10. OTHER BUSINESS

- 10.1. Consideration and possible action relating to the Ed Schmidt Improvements report recommendations (CIP T10) (Matt Rector)

11. CONSENT AGENDA ITEMS

- 11.1. Consideration and possible action on Ordinance No. O-2023-066 amending Appendix A of the Hutto Code of Ordinance, Article A3.001 for an increase for Solid Waste, Collection Fees, Utility Billing rates, Section, Article A4.000 Public Facility Rentals, and Consolidating Fees (Second Reading) (Anne LaMere)
- 11.2. Consideration and possible action to approve Ordinance No. O-2023-064 of the City of Hutto, Texas approving and adopting a budget for the City of Hutto for the Fiscal Year beginning October 1, 2023 and ending September 30, 2024 for the City of Hutto, Texas (Second Reading) (Anne LaMere)
- 11.3. Consideration and possible action to approve Resolution No. R-2023-240 ratifying the property tax increase reflected in the City of Hutto Fiscal Year 2023-2024 operating budget (Second Reading) (Anne LaMere)
- 11.4. Consideration and possible action to approve Ordinance No. O-2023-068 of the City of Hutto, Texas, levying Ad Valorem taxes for the use and support of the municipal government for the City of Hutto for the Fiscal Year 2023-2024 (Second Reading) (Anne LaMere)
- 11.5. Consideration and possible action on Resolution No. R-2023-242 regarding Master Service Agreements for Architecture and Landscape Architecture professional services with Clark Condon (Matt Rector)
- 11.6. Consideration and possible action on Resolution No. R-2023-243 regarding Master Service Agreements for Geotechnical Engineering professional services with Arias (Matt Rector)
- 11.7. Consideration and possible action on Resolution No. R-2023-250 authorizing the City Manager to execute a Letter of Intent for Environmental Protection Agency (EPA) Water Infrastructure Finance and Innovation Act (WIFIA) credit assistance (Matt Rector)
- 11.8. Consideration and possible action on Resolution No. R-2023-234 authorizing the City Manager to execute an Individual Project Order (IPO) with COBB Fendley & Associates, Inc. in the amount of \$1,021,473.93 for the New Elevated Storage Tank (Cottonwood 2.0 MG EST) project (Matt Rector)
- 11.9. Consideration and possible action on Resolution No. R-2023-223 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$144,950 for the Parks Master Plan project (Matt Rector)
- 11.10. Consideration and possible action on Resolution No. R-2023-232 authorizing the City

Manager to execute an Individual Project Order (IPO) with TranSystems Corporation Consultants in the amount of \$128,184 for the Lakeside Estates Sidewalks, Phase 3 project (Matt Rector)

- 11.11. Consideration and possible action on Resolution No. R-2023-228 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$125,000 for the Pickle Ball Courts project (Matt Rector)
- 11.12. Consideration and possible action on Resolution No. R-2023-244 authorizing the City Manager to execute an Individual Project Order (IPO) with Johnson, Mirmiran, & Thompson, Inc. in the amount of \$123,850.58 for the Innovation at Limmer Loop Traffic Signal project (Matt Rector)
- 11.13. Consideration and possible action on Resolution No. R-2023-245 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$65,000 for the Trails Master Plan project (Matt Rector)
- 11.14. Consideration and possible action on Resolution No. R-2023-235 authorizing the City Manager to execute an Individual Project Order (IPO) with LJA Engineering in the amount of \$50,877.00 for the Downtown Elevated Tank Rehabilitation project (Matt Rector)
- 11.15. Consideration and possible action on Resolution No. R-2023-246 authorizing the City Manager to execute a task order with Terracon in the amount of \$47,424 for construction materials observation and testing services related to the FM 1660 at Limmer Loop project (CIP T-02) (Matt Rector)
- 11.16. Consideration and possible action on Resolution No. R-2023-224 authorizing the City Manager to execute an Individual Project Order (IPO) with MHS Planning & Design in the amount of \$39,930 for the Solar Lighting Improvements at Existing Trails project (Matt Rector)
- 11.17. Consideration and possible action on Resolution No. R-2023-227 authorizing the City Manager to execute an Individual Project Order (IPO) with Sunland Group, LLC in the amount of \$39,518.46 for the Adam Orgain Restroom project (Matt Rector)
- 11.18. Consideration and possible action on Resolution No. R-2023-225 authorizing the City Manager to execute an Individual Project Order (IPO) with MHS Planning & Design in the amount of \$30,502 for the Athletic Fields Study project (Matt Rector)
- 11.19. Consideration and possible action on Resolution No. R-2023-221 authorizing the City Manager to execute an Individual Project Order (IPO) with MWM DesignGroup, INC. in the amount of \$30,000 for the Cross-Creek Trail Expansion project (Matt Rector)
- 11.20. Consideration and possible action on Resolution No. R-2023-222 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$21,000 for the Adam Orgain Trail Extension project (Matt Rector)
- 11.21. Consideration and possible action on Resolution No. R-2023-247 authorizing the City Manager to execute an Individual Project Order (IPO) with Cobb Fendley and Associates Inc., in the amount of \$9,600 for Survey Services on the Adam Orgain Restroom Facility project (Matt Rector)
- 11.22. Consideration and possible action on Resolution No. R-2023-227 authorizing the City Manager to execute an Individual Project Order (IPO) with Sunland Group, LLC in the amount of \$6,237.11 for the Parks Security Cameras project (Matt Rector)
- 11.23. Consideration and possible action on Resolution No. R-2023-248 authorizing the City

Manager to execute an Individual Project Order (IPO) with Braun Inertec, Inc. in the amount of \$5,559 for Geotechnical Services on the Adam Orgain Restroom Facility project (Matt Rector)

- 11.24. Consideration and possible action on Resolution No. R-2023-217 regarding an events management agreement per Section 3.12 of the Hutto Co-Op District Amended and Restated Master Development Agreement (Kristi Barnes)
- 11.25. Consideration and possible action on approving the September 21, 2023 City Council work session meeting minutes (Angela Lewis)
- 11.26. Consideration and possible action on Ordinance No. O-2023-070 regarding a budget amendment to increase the amount of Waste Management Expense from Fund Balance in the amount of \$400k (Second Reading) (Anne LaMere)
- 11.27. Consideration and possible action on Ordinance No. O-2023-061 approving the Annexation of the TCR Allora Tract, 16.954 Acres, more or less of Land and to Establish the Base Zoning as MF (Multi-Family) located on the west side of CR132 approximately 0.46 miles north of US 79 (Second Reading) (Ashley Bailey)

12. EXECUTIVE SESSION

The City Council for the City of Hutto reserves the right to adjourn into executive session at any time during the course of this meeting to discuss any of the matters listed above as authorized by the Texas Government Code Sections 551.071 (Litigation/Consultation with Attorney), 551.072 (Deliberations regarding real property), 551.073 (Deliberations regarding gifts and donations), 551.074 (Deliberations regarding personnel matters) or 551.076 (Deliberations regarding deployment/implementation of security personnel or devices) and 551.087 (Deliberations regarding Economic Development negotiations).

- 12.1. Receive legal advice pursuant to Texas Government Code Section 551.071 (Consultation with Attorney) relating to a request by Lidell Walker of fees associated with the Stormwater Management Program pursuant to Ordinance No. O-2023-045 creating a Stormwater Management Program and Ordinance No. O-2023-046 amending the City Rate Schedule to include fees associated with the Stormwater Management Program for 265 acres of property located at CR 132 and FM 1660 also know as the "Lidell Walker Public Improvement District"
- 12.2. Receive legal advice pursuant to Texas Government Code Sec. 551.071 related to Pending Legal Requests, Potential Claims, Pending Litigation, Potential Litigation, and City Council Legal Requests.

13. ACTION RELATIVE TO EXECUTIVE SESSION

- 13.1. Consideration and possible action on Executive Session Agenda Items

14. CITY COUNCIL COMMENTS

- 14.1. General Comments from City Council
- 14.2. Future Agenda Items
- 14.3. Future Additional or Rescheduled meetings as allowed by Hutto City Code Section 1.02.033 Additional or Rescheduled Meetings

15. ADJOURNMENT

16. CERTIFICATION

I certify that this notice of the September 28, 2023 Hutto City Council meeting was posted on the City of Hutto website and the City Hall bulletin board of the City of Hutto on September 25, 2023 before 6:00 P.M.



Amanda Taylor
Amanda Taylor

The City of Hutto is committed to comply with the Americans Disability Act. The Hutto City Council Chamber is wheelchair accessible. Request for reasonable special accommodations must be made 48 hours prior to the meeting. Please email the City Secretary's office at Angela.Lewis@huttotx.gov or call (512) 759-4033 for assistance.



A PROCLAMATION RECOGNIZING WORLD TEACHER'S DAY

WHEREAS, THE CITY OF HUTTO'S FUTURE STRENGTH DEPENDS ON PROVIDING A HIGH-QUALITY EDUCATION TO ALL STUDENTS; AND

WHEREAS, TEACHER QUALITY MATTERS MORE TO STUDENT ACHIEVEMENT THAN ANY OTHER SCHOOL-RELATED FACTOR; AND

WHEREAS, TEACHERS SPEND COUNTLESS HOURS PREPARING LESSON PLANS AND SUPPORTING STUDENTS; AND

WHEREAS, OUR CITY OF HUTTO TEACHERS HAVE DEMONSTRATED GREAT RESILIENCE, ADAPTABILITY, AND CREATIVITY DURING THE COVID-19 CRISIS; AND

WHEREAS, OUR COMMUNITY RECOGNIZES AND SUPPORTS ITS TEACHERS IN EDUCATING THE CHILDREN OF THIS COMMUNITY; AND

WHEREAS, #TEACHERSCAN IS A STATEWIDE MOVEMENT SUPPORTED BY MORE THAN 150 PARTNERING BUSINESSES AND ORGANIZATIONS COMMITTED TO ELEVATING THE TEACHING PROFESSION AND HONORING THE CRITICAL ROLE TEACHERS PLAY IN THE SUCCESS OF TEXAS; AND

NOW, THEREFORE, BE IT RESOLVED THAT THE CITY OF HUTTO CITY COUNCIL JOINS #TEACHERSCAN AND ITS PARTNERING ENTITIES ACROSS TEXAS IN CELEBRATING WORLD TEACHERS' DAY AND PROCLAIMS OCTOBER 5, 2023 TO BE HUTTO TEACHERS' DAY; AND

BE IT FURTHER RESOLVED THAT THE CITY COUNCIL OF THE CITY OF HUTTO ENCOURAGES MEMBERS OF OUR COMMUNITY TO PERSONALLY EXPRESS APPRECIATION TO OUR TEACHERS AND DISPLAY A LIGHT BLUE RIBBON OUTSIDE YOUR HOMES OR BUSINESSES THE WEEK OF OCTOBER 5 AS A SYMBOL OF SUPPORT FOR OUR EDUCATORS.

ADOPTED THIS 28TH DAYS OF SEPTEMBER, 2023

CITY OF HUTTO, TEXAS

MIKE SNYDER, MAYOR

AGENDA ITEM REPORT

7.1.



To: City Council
Subject: Consideration and possible action regarding possible appointments, re-appointments and/or removals to City Boards, Commissions, Task Forces, Economic Development Corporations, Local Government Corporations and Tax Increment Reinvestment Zone Boards, City Council Liaisons, and Area Government appointments.
Meeting: Thursday, September 28, 2023
Department: City Secretary /
Staff Contact:

BACKGROUND INFORMATION:

SUMMARY OF REQUEST:

STAFF REVIEW:

FISCAL NOTES:

ATTACHMENTS:

None

AGENDA ITEM REPORT

8.1.



To: City Council
Subject: Consideration and possible action on approval of Ordinance No. O-2023-067 regarding Blanket Purchase Orders (First Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

The action allows the City Manager to sign routine blanket purchase orders for consumable goods and services (such as water/sewer services, electricity, chemicals, office supplies) that have been approved by the City Council in the Fiscal Year 2023-2024 Budget at expenditure levels over \$50,000.00, as listed in Exhibit A, of the Ordinance. All purchases will comply with applicable state laws and the provisions of the City of Hutto Procurement Policy and Procedures Manual.

SUMMARY OF REQUEST:

Approval of Ordinance as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

Items have been provided for in the FY24 Budget. This action provides for efficient purchasing of items approved by the Council in the budget process.

ATTACHMENTS:

1. Hutto-Ordinance for Blanket Purchase Orders 092823

ORDINANCE NO. O-2023-067

**AN ORDINANCE OF THE CITY OF HUTTO, TEXAS,
AUTHORIZING THE CITY MANAGER TO EXECUTE
BLANKET PURCHASE ORDERS FOR ROUTINE
CONSUMABLE GOODS AND SERVICES IN AMOUNTS
NOT TO EXCEED THE AMOUNTS APPROVED BY THE
CITY COUNCIL IN THE FISCAL YEAR 2023-2024
BUDGET; PROVIDING PROPER NOTICE & MEETING,
AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) has need to purchase routine consumable goods and services that have been approved by the City Council in the Fiscal Year 2023-2024 Budget at expenditure levels over \$50,000.00, as listed in Exhibit A, a copy of which is attached to this Ordinance and incorporated fully by reference; and

WHEREAS, these types of routine consumable goods and services are normally purchased using Blanket Purchase Orders, as defined in this Ordinance; and

WHEREAS, the term “Blanket Purchase Order” means a contractual agreement between the City and a vendor that allows for a series of recurring, frequent, or small purchases by City departments under a single contractual agreement, without continuously repeating the bidding process, and is associated with routine consumable goods and services such as copier leases, mowing services, office supplies, and other recurring purchases of specific goods or services for which the quantity or frequency of delivery cannot be fully determined at the time that the agreement is entered into, but for which the City and a vendor may agree to certain consistent terms for the delivery, including prices; and

WHEREAS, such Blanket Purchase Orders must comply with applicable state laws requiring competitive bids or authorizing alternative procurement methods, and the provisions of the City of Hutto Procurement Policy and Procedures Manual adopted by the City on November 3, 2022, as may be amended; and

WHEREAS, pursuant to Section 4.01(e) of the Hutto City Charter, the City Council may by ordinance set a maximum amount for which the City Manager shall be authorized to execute contracts and/or to expend funds for budgeted items, provided that all contracts and expenditures must comply with applicable state laws requiring competitive bids or authorizing alternative procurement methods; and

WHEREAS, the City Council desires to delegate authority to the City Manager to execute Blanket Purchase Orders for routine consumable goods and services in amounts greater than \$50,000.00 but not to exceed the maximum amount for which such goods and services were approved by the City Council in the Fiscal Year 2023-2024 Budget, as listed in Exhibit A, subject to the guidelines established in this Ordinance.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Ordinance are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Ordinance as if fully set forth herein.

Section 2: The City Council hereby delegates authority to the City Manager to execute Blanket Purchase Orders for routine consumable goods and services in amounts greater than \$50,000.00 but not to exceed the maximum amount for which such goods and services were approved by the City Council in the Fiscal Year 2023-2024 Budget, as listed in Exhibit A, subject to the following guidelines:

- (a) Blanket Purchase Orders must comply with applicable state laws requiring competitive bids or authorizing alternative procurement methods, and the provisions of the City of Hutto Procurement Policy and Procedures Manual adopted by the City on November 3, 2022, as may be amended.
- (b) Blanket Purchase Orders must be for Department-specific expenditures.
- (c) Departments using Blanket Purchase Orders must establish a system for documenting the purchases made under the Blanket Purchase Order and ensure that the amount purchased under the Blanket Purchase Order does not exceed the maximum amount for which such goods and services were approved by the City Council in the Budget.
- (d) Departments must inform the vendor of the intent to use a Blanket Purchase Order when requesting a quote for goods or services, and that the pricing will be held for the term of the Blanket Purchase Order.
- (e) Blanket Purchase Orders must include contract language specifying that the pricing will be held for the term of the contract period, such as “There shall be no price increases during this contract period.”
- (f) Blanket Purchase Orders cannot be extended beyond the current Fiscal Year and must include contract language specifying the contract period, such as: “Contract period is from date of order through August 31, 2023.”
- (g) Funds for expenditures under a Blanket Purchase Order must be encumbered based on a reliable estimate of the amount to be purchased under the Blanket Purchase Order within the Fiscal Year, and the Blanket Purchase Order may include, if appropriate, language regarding the estimated quantities, such as “This order is for an estimate of quantities/usage/services only, and no maximum or minimum quantity is guaranteed.”
- (h) Blanket Purchase Orders shall not be used for equipment leases or maintenance agreements, because such agreements must define the quantity and frequency of delivery at the inception of the agreement.

Section 3: The City Manager shall include in the monthly financial statements presented to the City Council a list of all Blanket Purchase Orders approved by the City Manager for Fiscal Year 2023-2024 pursuant to the authority delegated under this Ordinance.

Section 4: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Ordinance was adopted was posted and that such meeting was open to the public as required by law at all times during which this Ordinance and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 5: Pursuant to Section 3.13 of the Hutto City Charter, the Council determined that the first reading of this ordinance is sufficient for adequate consideration by an affirmative vote of four or more members of the City Council during the first reading and the requirement for reading this Ordinance on two separate dates with was dispensed with by the affirmative vote of four or more members of the City council; therefore, this Ordinance is adopted and enacted without further readings. In the event a second reading is necessary, this Ordinance is adopted and enacted upon the affirmative vote of four or more members of the City Council upon second reading.

Section 6. This Ordinance shall take effect immediately after its final passage and any publication in accordance with the requirements of the City of Hutto and the laws of the State of Texas.

READ and APPROVED on the first reading this the **28th** day of **September 2023**.

READ, APPROVED and ADOPTED on the second reading this the ____ day of _____, **2023**.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

Exhibit A

City of Hutto, TX				
Consumable Goods and Services -- Blanket Purchase Orders Included in the Budget				
FY 2023-2024 Budget				
Department	Account	Supplier	Description	Budgeted Dollars
Information Technology	10-060-030-6413	Various	Phone Services	134,000
Information Technology	10-060-030-6413	Various	Internet Services	127,000
Information Technology	10-060-030-6405	Various	Managed IT Services	85,000
Various	10-060-030-6411	Tyler Technology	Incode ERP	147,000
Information Technology	10-060-030-6412	Various	Software Licensing and Maintenance	222,713
Information Technology	10-060-030-6605	Various	Computer Equipment/Software	191,175
Various	Various	Various	Office Supplies	236,242
Various	Various	United States Postal Service	Postage	63,717
Various	Various	WEX	Gasoline	246,811
Various	Various	Enterprise Leasing	Fleet Vehicles	504,710
Non-Departmental	Various	Various	Utilities	170,000
City Council	10-010-002-6561	Various	Contributions to Civic Programs	187,000
City Council	10-010-002-6562	Various	Economic Development Agreement	200,000
City Council	10-010-002-6606	Various	WCCHD	86,139
Finance	10-020-001-6443	WCAD	WCAD Appraisal	107,966
Police	10-050-001-6206	Galls	Uniforms	119,100
Police	10-050-001-6213	Motorola	Communication Equipment	114,000
Police	10-050-001-6291	GT Distributors	Ammunition	55,000
Police	10-050-001-6412	Various	Software Licensing and Maintenance	138,015
Police	10-050-001-6413	Various	Communication Services	403,000
Police	10-050-001-6603	Various	Machinery & Equipment	199,428
City Secretary	10-060-003-6412	Various	Software Licensing and Maintenance	51,500
Communications	10-060-007-6412	Various	Software Licensing and Maintenance	61,759
Community Outreach	10-060-025-6204	Various	Special Events	317,000
Community Outreach	10-060-025-6405	Various	Professional Services	95,000
Parks and Recreation	10-090-039-6521	Various	Utilities	55,000
Fleet Maintenance	10-090-050-6304	Various	Vehicle Repair and Maintenance	59,350
Facilities Maintenance	10-090-051-6301	Various	Building Repair and Maintenance	497,000
Facilities Maintenance	10-090-051-6301	Various	Janitorial Services	85,050
Facilities Maintenance	10-090-051-6301	Various	Facilities Generators	198,850
Legal	10-010-003-6401	Bojorquez Law Firm	Attorney Services	445,000
Utility Billing	50-020-010-6216	SecureVision of America, Inc	AMI Water Meters	162,750
Utility Billing	50-020-010-6207	Republic Meters	AMI Endpoints	78,750
Utility Billing	50-040-058-6456	Brazos Valley River Authority	Waste Water Services	2,250,000
Utility Billing	50-020-010-6412	Various	Utility Billing Printing	192,000
Utilities	50-040-058-6452	Manville water Contract	Water	600,000
Utilities	50-040-058-6451	Taylor Water Contract	Water	540,000
Utilities	Various	Various	Water Reservation	2,157,940
Utilities	50-040-058-6312	Various	Line Repairs and Maintenance	181,250
Utilities	50-040-058-6313	Various	Water Pumps, Motor & Control Maint	200,000
Utilities	50-040-058-6314	Various	Utility Facilities Maint	220,000
Utilities	50-040-058-6315	Various	Wastewater Pumps Motors & Control Maint	400,000
Utilities	50-040-058-6412	Various	Software Licensing and Maintenance	45,000
Utilities	50-040-058-6454	Various	Water Lease Payments	185,000
Utilities	50-040-058-6456	Brazos River Authority	Brazos River Authority Contract	2,339,900
Utilities	50-040-058-6521	Various	Utilities	375,000
Utilities	50-040-058-6661	Various	Water Distribution Facility & Equipment	180,000
Utilities	50-100-000-6401	Bojorquez Law Firm	Attorney Services	90,000
Utilities	50-040-058-6232	Various	Chemicals	200,000
Solid Waste	70-080-010-6461	A. L. Clawson	Solid Waste	2,543,745
Solid Waste	70-080-010-6461	Various	Tree Removal Services	200,000
Various	Various	P3 Works	PID Administration Costs	232,515

AGENDA ITEM REPORT

8.2.



To: City Council
Subject: Consideration and possible action to reconsider Ordinance No. O-2023-062 for the proposed Specific Use Permit request for the property known as 4037 FM 1660 (North), to allow an elevated water pump station (UDC 10.304.8) (Second Reading) (Ashley Bailey)
Meeting: Thursday, September 28, 2023
Department: Development Services /
Staff Contact: Ashley Bailey

BACKGROUND INFORMATION:

Staff was asked to place this item on the agenda for reconsideration given the new knowledge that Jonah pays the City \$23.87 per month for Sewer per resident when Hutto Residents and Manville Residents pay \$60.37 for sewer. Looking at possible negotiation with Jonah for all items impacting the Jonah Special Utility District.

The proposed Specific Use Permit is to allow an elevated water pump station at 4037 FM 1660 (North). The property is currently zoned Single Family (SF-1).

Jonah Water has negotiated with the Hutto ISD for the ownership of Lot 2, Block A of the Hutto Independent School District Maintenance Facility Subdivision. Jonah Water intends to use the site as a pump station facility to receive and distribute water. The facility will include but not limited to a 2 million gallon ground storage tank, pumping units, an electrical/disinfection building, and other needed items to operate the water pump station.

Adjacent Zoning and Uses:

WEST: SF-1 , Vacant/Undeveloped

NORTH: ETJ with Development Agreement, Vacant/Undeveloped

EAST: SF-1 , Hutto ISD

SOUTH: SF-1, Hutto ISD

Jonah Water has negotiated with the Hutto ISD for the ownership of Lot 2, Block A of the Hutto Independent School District Maintenance Facility Subdivision. Jonah Water intends to use the site as a pump station facility to receive and distribute water. The facility will include but not limited to a 2 million gallon ground storage tank, pumping units, an electrical/disinfection building, and other needed items to operate the water pump station.

A Specific Use Permit is required for Public Utility Substation in the Single Family (SF-1) district.

10.309.12 Public utility substation

10.309.10.1 Definition

AGENDA ITEM REPORT

8.2.



Public utility substation: facility used for collecting, processing or distributing a public utility commodity. This use includes electrical substations not in residential districts and high-tension power distribution lines, water tanks and pumps, telephone switching offices and exchanges, and similar uses; but not wireless service facilities, storage and equipment yards, and business offices.

10.309.10.2. Permitted locations

Public utility substations are considered subject to specific use permit review in all zoning districts and transect zones except electrical substations and high-tension power lines.

Staff sent notices to 4 adjacent property owners within 600' and to date staff has received no responses either in support or opposition of the request.

SUMMARY OF REQUEST:

Consider not approving request and going back to Jonah and negotiating all items together as a package.

STAFF REVIEW:

Staff recommends renegotiation.

FISCAL NOTES:

No fiscal impact from the Special Use Permit. Approximately \$1.4M per year in increased revenue from increasing Jonah sewer rate from \$23.87 per month to \$60.38.

ATTACHMENTS:

1. Jonah_Water_SUDs_Elevated_No_3_Pump_Station_Newspaper_Map
2. 2023- Jonah SUP Ordinance
3. LOI
4. zoning map
5. Plat

Jonah Water SUD's Elevated No. 3 Pump Station



N



CHANDLER RD

FM
1660

CR-133

CR-100

R615499

0 750 1,500 3,000

Feet

This map was produced for the sole purpose of aiding the City of Hutto in planning purposes and is not warranted for any other use. No warranty is made by creator or city regarding its accuracy or completeness.

ORDINANCE NO. O-2023-062

AN ORDINANCE GRANTING A SPECIFIC USE PERMIT TO ALLOW A PUMP STATION FACILITY/PUBIC UTILITY IN THE SF-1 (SINGLE FAMILY) ZONING DISTRICT AT LOT 2, BLOCK A HUTTO INDEPENDENT SCHOOL DISTRICT MAINTENANCE FACILITY SUBDIVISION, MORE OR LESS, OF LAND, BEING MORE PARTICULARLY DESCRIBED IN EXHIBIT A, ATTACHED HERETO AND INCORPORATED HEREIN; PROVIDING FOR: FINDINGS OF FACT, ENACTMENT, REPEALER, PUBLICATION, SEVERABILITY, EFFECTIVE DATE, PENALTY, AND PROPER NOTICE & MEETING.

WHEREAS, the City of Hutto is a home rule city acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

WHEREAS, the City has adopted a Unified Development Code (“UDC”), regulating the location and use of buildings, other structures and land for business, industrial, residential or other purposes, and providing for a method to amend said ordinance and map for the purpose of promoting the public health, safety, morals and general welfare, all in accordance with a comprehensive plan; and

WHEREAS, in accordance with the UDC, the owner of the property referenced below has filed an application for a Specific Use Permit for a Pump Station Facility/Pubic Utility in the SF-1 (Single Family) Zoning District; and

WHEREAS, a request has been made to the City Council of the City of Hutto, Texas to grant a Specific Use Permit to allow a Pump Station Facility/Pubic Utility use in the SF-1 (Single Family) zoning district at the property known as Lot 2, Block A Hutto Independent School District Maintenance Facility Subdivision, described in **Exhibit A**, being attached hereto and incorporated herein; and

WHEREAS, on the 5th day of September, 2023, after proper notification, the Planning and Zoning Commission held a public hearing on the proposed Specific Use Permit request; and

WHEREAS, the Planning and Zoning Commission recommended approval of the proposed Specific Use Permit request on the 5th day of September, 2023; and

WHEREAS, on the 21st day of September, 2023, after proper notification, the City Council held a public hearing on the proposed Specific Use Permit request; and

WHEREAS, the City Council determines that the regulations provided for herein promotes the health, safety, morals and protects and preserves the general welfare of the community; and

WHEREAS, each and every requirement set forth in Chapter 211, Sub-Chapter A., Texas Local Government Code, and Article 14.02.002, Code of Ordinances (2020 Edition, as amended),

City of Hutto, Texas concerning public notices, hearings, and other procedural matters has been fully complied with; and

WHEREAS, the City finds that this ordinance was passed and approved at a meeting of the City Council of the City of Hutto held in strict compliance with the Texas Open Meetings Act at which a quorum of the City Council Members were present and voting; and

WHEREAS, the City Council of the City does hereby deem it advisable and in the public interest to grant such permit on the terms and conditions described herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

Section 1. Findings of Fact: In accordance with the Unified Development Code, the City Council has considered and made findings on the following matters regarding the proposed Specific Use Permit request:

- The proposed use conforms to the Unified Development Code and is consistent with the comprehensive, neighborhood and other applicable land use and development plans.
- The proposed use is compatible with existing and permitted uses in the surrounding area and would not adversely affect property near the site.
- The site is a legal building lot.

Section 2. Specific Use Permit Granted: A Specific Use Permit is hereby granted as shown and described below:

Applicant: Jonah SUD

Property Address: 4037 FM 1660N

Legal Description: Lot 2, Block A Hutto Independent School District Maintenance Facility Subdivision being more particularly described in **Exhibit A**.

Specific Use: The property shall remain located in the “SF-1 (Single Family)” Zoning District, and a Specific Use Permit permitting a Pump Station Facility/Pubic Utility is hereby granted subject to the terms and conditions provided herein

Section 3. Zoning Ordinance and Special Terms and Conditions Applicable: The use of the property described herein shall be subject to all the applicable regulations contained in the UDC and all other applicable and pertinent ordinances of the City, for the zoning district into which they have been assigned. In addition, use of the property described above shall be subject to all restrictions, terms and conditions contained in the Site Plan, attached as **Exhibit B**, and conditions attached as **Exhibit C**. **Exhibit B** and **Exhibit C** are incorporated herein by reference.

Section 4. Repealer: All ordinances, or parts thereof, that are in conflict or inconsistent with any provision of this Ordinance are hereby repealed to the extent of such conflict, and the provisions of this Ordinance shall be and remain controlling as to the matters regulated, herein.

Section 5. Publication Cause: The City Secretary of the City of Hutto is hereby authorized and directed to publish the caption of this ordinance in the manner and for the length of time prescribed by law.

Section 6. Severability: Should any of the clauses, sentences, paragraphs, sections, or parts of this Ordinance be deemed invalid, unconstitutional, or unenforceable by a court of law or administrative agency with jurisdiction over the matter, such action shall not be construed to affect any other valid portion of this Ordinance.

Section 7. Passage: Pursuant to Section 3.13 of the Hutto City Charter, the Council determined that the first reading of this ordinance is sufficient for adequate consideration by an affirmative vote of four or more members of the City Council during the first reading and the requirement for reading this Ordinance on two separate dates with was dispensed with by the affirmative vote of four or more members of the City council; therefore, this Ordinance is adopted and enacted without further readings. In the event a second reading is necessary, this Ordinance is adopted and enacted upon the affirmative vote of four or more members of the City Council upon second reading.

Section 8. Effective Date: This Ordinance shall take effect immediately after its final passage and any publication in accordance with the requirements of the City of Hutto and the laws of the State of Texas.

Section 9. Penalty: Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Two Thousand Dollars (\$2,000.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense. In addition, any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance may be subjected to such civil penalties as authorized by law.

Section 10. Proper Notice & Meeting: It is hereby officially found and determined that the meeting at which this Ordinance was passed was open to the public, and that public notice of the time, place and purpose of said meeting was given as required by the Open Meetings Act, Texas Government Code, Chapter 551. Notice was also provided as required by Chapter 52 of the Texas Local Government Code.

READ and APPROVED on the first reading this the **21st** day of **September, 2023**.

READ, PASSED, and ADOPTED on the second reading of this ____ day of _____, **2023** at a regular meeting of the City Council of Hutto, there being a quorum present.

THE CITY OF HUTTO, TEXAS

By: _____
Mike Snyder, Mayor

ATTEST:

By: _____
Angela Lewis, City Secretary
(SEAL)

EXHIBIT A – PROPERTY DESCRIPTION

EXHIBIT B – SITE PLAN

EXHIBIT C - SPECIAL TERMS AND CONDITIONS

Conditions of Specific Use Permit:

- 1.
- 2.
- 3.
- 4.
5. The Specific Use Permit is restricted to approx.. _____ sq. ft. as depicted in
Exhibit B – Site Plan.
6. The Specific Use Permit does not run with the land, and expires with the end of the approved use.
7. The Specific Use Permit expires one (1) year from the date of approval by City Council
8. The Specific Use Permit is non-transferable.

JULY 5, 2023

TO: CITY OF HUTTO
C/O: JOHN BYRUM
VIA: EMAIL TO JOHN.BYRUM@HUTTOTX.GOV

RE: JONAH WATER SUD'S ELEVATED NO. 3 PUMP STATION

JONAH WATER HAS NEGOTIATED THE WITH THE HUTTO ISD FOR THE OWNERSHIP OF LOT 2, BLOCK A OF THE HUTTO INDEPENDENT SCHOOL DISTRICT MAINTENANCE FACILITY SUBD.

THE CURRENT ZONING OF THE LOCATION IS "SF1", JONAH WATER INTENDS TO USE THE SITE AS A PUMP STATION FACILITY TO RECEIVE AND DISTRIBUTE POTABLE WATER TO ITS AND CUSTOMERS. THIS FACILITY WILL INCLUDE BUT NOT LIMITED TO A 2.0-MILLION-GALLON GROUND STORAGE TANK, PUMPING UNITS, ELECTRICAL/DISINFECTION BUILDING, AND OTHER NEEDED ITEMS TO OPERATE A POTABLE WATER PUMP STATION.

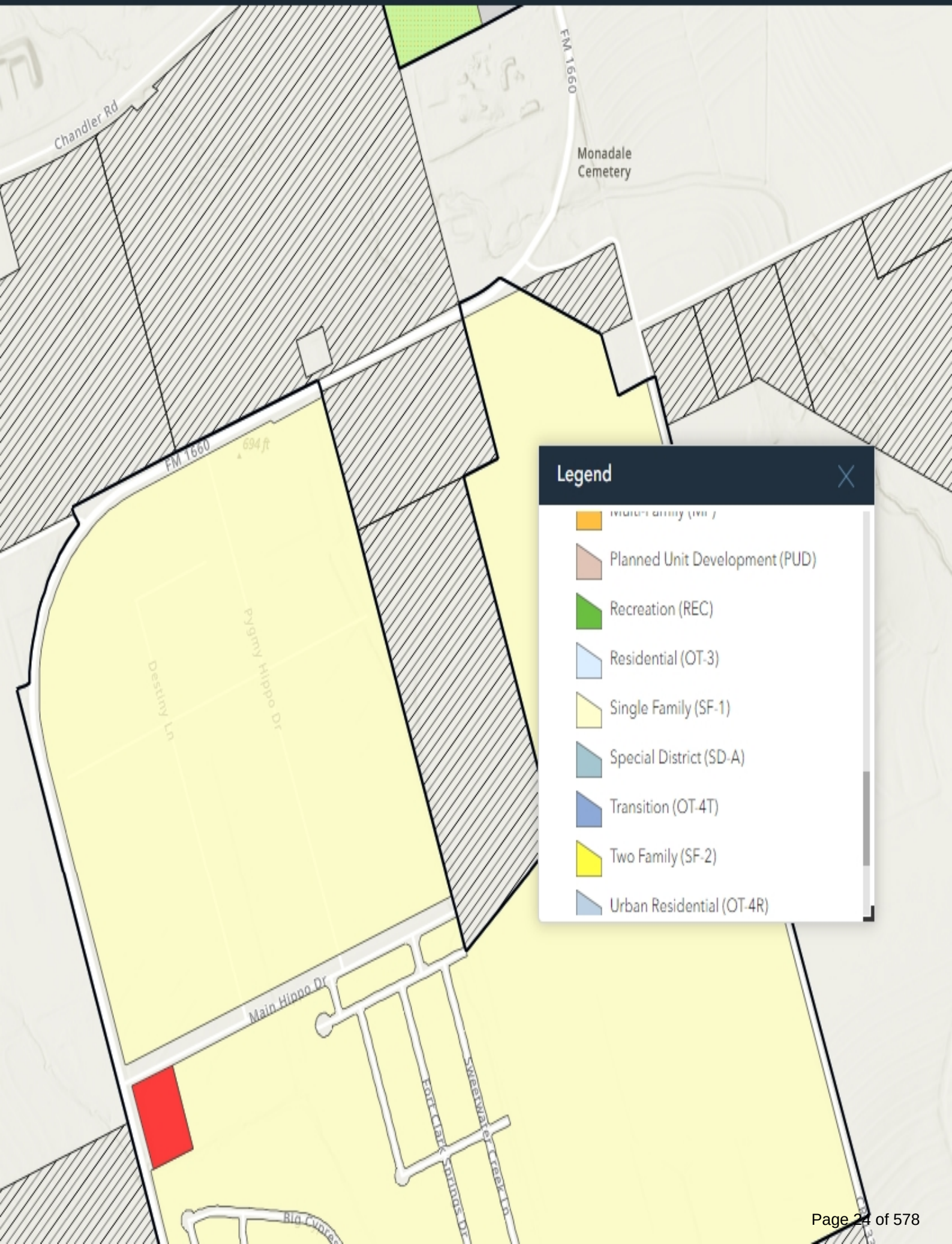
THESE PLANS HAVE BEEN REVIEWED AND RECEIVED CONDITIONAL APPROVALS FOR CONSTRUCTION BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).

PLEASE SEE THE ATTACHED PLANS FOR YOUR USE IN REVIEW.

SINCERELY,


MILES WHITNEY, P.E.

Hutto Official Zoning Map



Doc # 2021122178

FINAL PLAT HUTTO INDEPENDENT SCHOOL DISTRICT MAINTENANCE FACILITY SUBDIVISION

LINE TABLE			LINE TABLE			RIGHT-OF-WAY TIES		CURVE TABLE			
LINE #	LENGTH	DIRECTION	LINE #	LENGTH	DIRECTION	Line #	Length	CURVE #	LENGTH	RADIUS	CHORD
L1	475.74	N21° 05' 17"W	L17	420.67	N21° 05' 17"W	T1	79.23	C1	1733.95	1106.28	N23° 25' 20"E 1561.84'
L2	1281.34	N21° 26' 18"W	L18	10.00	S84° 38' 33"W	T2	79.96	C2	1710.44	1091.28	N23° 25' 20"E 1540.66'
L3	1492.00	N68° 19' 49"E	L19	2550.87	N68° 34' 54"E	T3	80.19	C3	296.74	1081.28	N13° 37' 04"W 295.81'
L4	775.51	S21° 35' 08"E	L20	390.59	S21° 05' 17"E	T4	80.01	C4	318.30	1051.28	S12° 48' 21"E 317.09'
L5	2095.58	S21° 39' 39"E	L21	58.90	S68° 18' 42"W			C5	1342.30	1061.28	S32° 05' 25"W 1254.60'
L6	2606.72	S68° 34' 54"W	L22	45.00	S21° 41' 18"E						
L7	55.00	S21° 05' 17"E	L23	58.71	N68° 18' 42"E						
L8	15.00	N68° 34' 54"E	L24	702.62	S21° 26' 18"E						
L9	420.70	N21° 05' 17"W	L25	10.00	N84° 38' 33"E						
L10	1281.39	N21° 26' 18"W	L26	308.67	S68° 19' 49"W						
L11	308.67	N68° 19' 49"E	L27	544.58	S68° 19' 49"W						
L12	208.71	N68° 19' 49"E	L28	15.00	N21° 40' 11"W						
L13	574.58	N68° 19' 49"E	L29	429.96	S68° 19' 49"W						
L14	15.00	S21° 40' 11"E	L30	533.93	S21° 26' 18"E						
L15	400.00	N68° 19' 49"E	L31	1281.44	N21° 26' 18"W						
L16	55.00	S21° 39' 39"E	L32	0.82	N49° 09' 12"W						

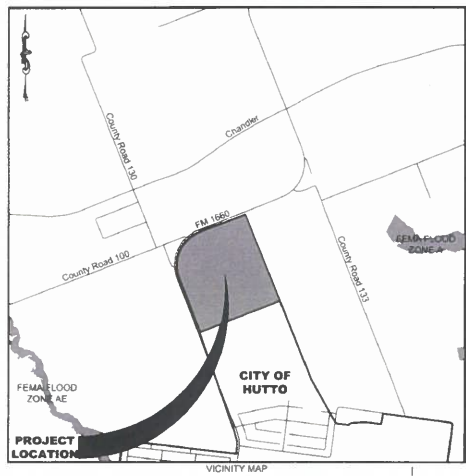


BEARINGS BASIS: NAD-83, TEXAS CENTRAL ZONE (4203), STATE PLANE SYSTEM
THE COORDINATES AND DISTANCES FOR THIS PROJECT ARE SURFACE BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00012

BENCHMARK: TxDOT BRASS DISC FOUND IN CONCRETE SURFACE COORDINATES
N 10186515.66
E 3173706.25
ELEVATION 677.67
VERTICAL DATUM: NAVD-83 (GEOID 2012A)
SEE SHEET 02 FOR BENCHMARK LOCATION ALONG WEST SIDE OF F.M. 1660

RICKY D. KRUGER, et al
NORTHERLY REWMAN, et al
OF THE CALLED 163.99 AC
DOC NO. 2016121073
O.P.R.W.C.T.

DESCRIBED IN VOL. 491, PG. 547 D.R.W.C.T.



LEGEND

- IRON ROD SET WITH CAP MARKED "DIAMOND SURVEYING"
- IRON ROD FOUND
- △ CALCULATED POINT
- TxDOT TYPE I CONCRETE MONUMENT FOUND
- BENCHMARK
- ETJ EXTRATERRITORIAL JURISDICTION
- ROW RIGHT-OF-WAY
- D.R.W.C.T. DEED RECORDS OF WILLIAMSON COUNTY, TEXAS
- O.P.R.W.C.T. OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS

OWNER: BRANDON CARDWELL
DIRECTOR OF FACILITIES AND OPERATIONS
HUTTO INDEPENDENT SCHOOL DISTRICT
P.O. BOX 430
HUTTO, TEXAS 78634
PHONE 512.759.5474
EMAIL: BRANDON.CARDWELL@HUTTOISD.NET

SURVEYOR: SHANE SHAVER, RPLS
DIAMOND SURVEYING, INC.
118 SKYLINE ROAD
GEORGETOWN, TEXAS 78628
PHONE 512.931.3100
EMAIL: SHANE@DIAMONDSURVEYING.COM

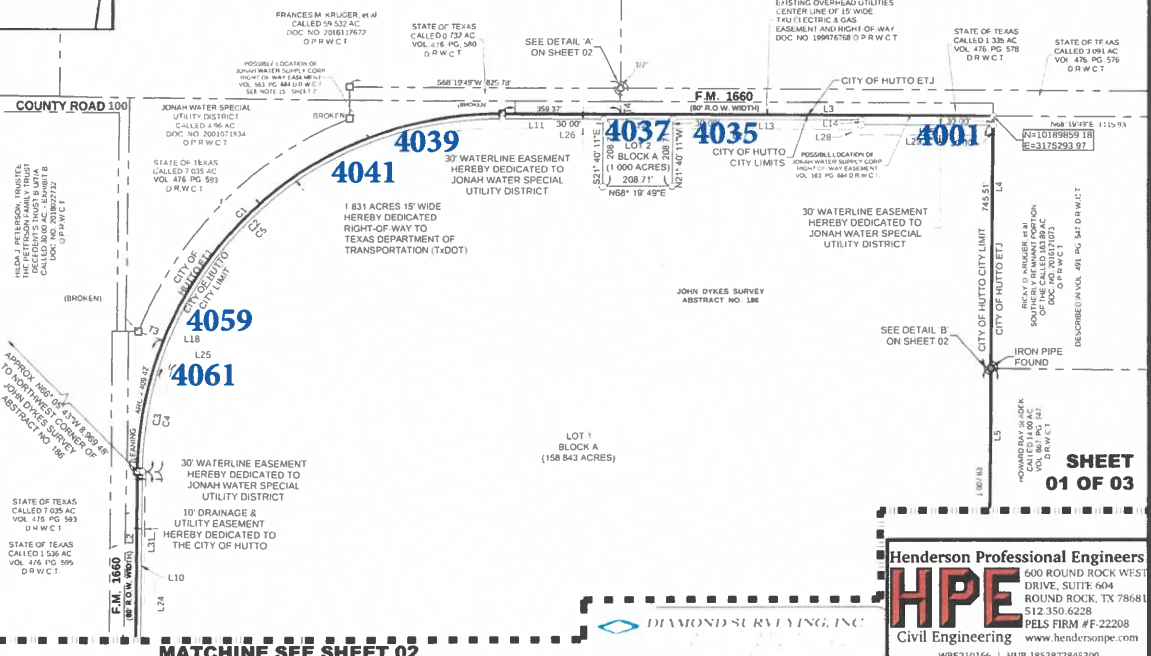
ENGINEER: JENNIFER HENDERSON, P.E.
HENDERSON PROFESSIONAL ENGINEERS, LLC
FIRM # 22208
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TEXAS 78681
PHONE 512.350.6228
EMAIL: JEN@HENDERSONPE.COM

SUBMITTAL DATE: 5/5/2021

ORIGINAL SURVEY: JOHN DYKES SURVEY
ABSTRACT NO. 186

FEMA FLOODPLAIN: THERE IS NO ENCROACHMENT OF THE 100 YEAR FLOOD PLAIN AS SHOWN ON FIRM PANEL 48491C0510F DATED DECEMBER 20, 2019

TOTAL ROW TO BE DEDICATED: 122 AC
TOTAL BLOCKS: 1
TOTAL LOTS: 2
TOTAL AREA: 164.965



MATCHLINE SEE SHEET 02

DIAMOND SURVEYING, INC.

Henderson Professional Engineers
HPE
Civil Engineering
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
WB210166 | HUB 1853873845300
www.hendersonpe.com

CITY PROJECT NUMBER: 1803-PLAT

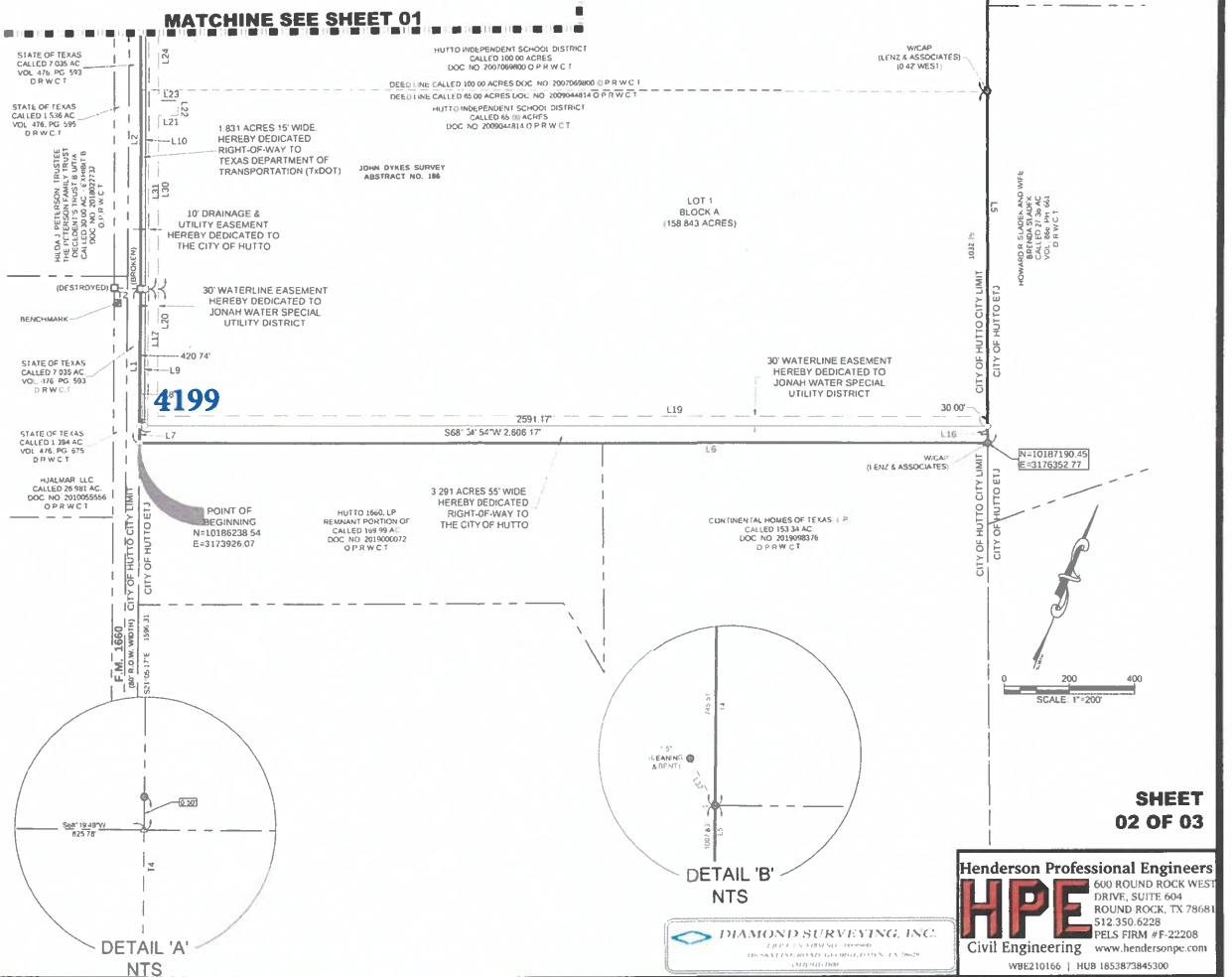
Doc # 2021122178

FINAL PLAT
HUTTO INDEPENDENT SCHOOL DISTRICT
MAINTENANCE FACILITY SUBDIVISION

MATCHLINE SEE SHEET 01

NOTES

1. NO BUILDING, FENCING, LANDSCAPING OR STRUCTURES ARE ALLOWED WITHIN ANY DRAINAGE EASEMENT UNLESS EXPRESSLY PERMITTED BY THE CITY OF HUTTO.
2. BUILDING SETBACK LINES SHALL CONFORM TO UDC REQUIREMENTS.
3. A 5' P.U.E. IS HEREBY DEDICATED ALONG AND ADJACENT TO ALL STREET SIDE PROPERTY LINES.
4. A 5' P.U.E. IS HEREBY DEDICATED ON EACH SIDE OF ALL REAR LOT LINES.
5. NO LOT IN THIS SUBDIVISION SHALL BE OCCUPIED UNTIL CONNECTION IS MADE TO PUBLIC WATER AND WASTEWATER UTILITIES.
6. WASTEWATER SERVICE FOR THIS SUBDIVISION WILL BE AVAILABLE THROUGH THE CITY OF HUTTO AFTER THE APPROPRIATE WASTEWATER SYSTEM IMPROVEMENTS ARE INSTALLED TO THIS SITE. CITY OF HUTTO ASSUMES NO OBLIGATIONS FOR INSTALLING ANY WASTEWATER IMPROVEMENTS REQUIRED TO SERVICE THIS SITE.
7. IN ORDER TO PROMOTE DRAINAGE AWAY FROM A STRUCTURE, THE SLAB ELEVATION SHOULD BE BUILT AT LEAST ONE FOOT ABOVE THE SURROUNDING GROUND, AND THE GROUND SHOULD BE GRADED AWAY FROM THE STRUCTURE AT A SLOPE OF 1/2" PER FOOT FOR A DISTANCE OF AT LEAST 10 FEET.
8. UTILITY PROVIDERS FOR THIS DEVELOPMENT ARE WATER: JONAH WATER SPECIAL UTILITY DISTRICT; WASTEWATER: CITY OF HUTTO; ELECTRIC: ONCOR ELECTRIC DELIVERY; GAS: ATMOS ENERGY.
9. THERE ARE NO AREAS WITHIN THE BOUNDARIES OF THIS SUBDIVISION IN THE 100-YEAR FLOODPLAIN AS DEFINED BY FIRM MAP NUMBER 48491C0510F EFFECTIVE DATE OF DECEMBER 20, 2019.
10. THE 184.965 ACRE TRACT OF LAND DESCRIBED HEREIN IS SUBJECT TO THE FOLLOWING PIPELINE EASEMENTS TO JONAH WATER SUPPLY CORP. VOLUME 562, PAGE 684, VOLUME 563, PAGE 685 AND VOLUME 563, PAGE 687 ALL OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS. NO DESCRIPTION OF THE LOCATION OF THE PIPELINE IS CONTAINED IN SAID DOCUMENTS. THE EXISTENCE AND/OR LOCATION OF THE PIPELINE IS NOT KNOWN BY THE SURVEYOR. SAID INSTRUMENT STATES: "THE EASEMENT HEREBY GRANTED SHALL NOT EXCEED 15' IN WIDTH, AND GRANTEE IS HEREBY AUTHORIZED TO DESIGNATE THE COURSE OF THE EASEMENT HEREIN CONVEYED EXCEPT THAT WHEN THE PIPELINE IS INSTALLED, THE EASEMENT HEREIN GRANTED SHALL BE LIMITED TO A STRIP OF LAND 15' IN WIDTH THE CENTER LINE THEREOF BEING THE PIPE LINE AS INSTALLED." THE WATERLINE SHOWN HEREON IS AS MARKED ON THE GROUND WITH PIN FLAGS MARKED (JONAH WATER 512-759-1286). THE POSSIBLE LOCATION OF THE AFOREMENTIONED VOLUME 563, PG. 684 AND VOLUME 563, PG. 687 HAVE BEEN PLOTTED HEREON.
11. THE LOCATION OF THE UNDERGROUND TELEPHONE LINE SHOWN HEREON IS FROM INFORMATION SHOWN ON THE TxDOT RIGHT-OF-WAY STRIP MAP, APPROVED DATE AUGUST 3, 1985. THE SURVEYOR DID NOT ATTEMPT TO PROVE THE EXISTENCE AND/OR LOCATION OF THIS LINE.
12. ON-SITE STORMWATER DETENTION FACILITIES WILL BE PROVIDED TO REDUCE POST-DEVELOPMENT PEAK RATES OF DISCHARGE OF THE 2, 10, 25 AND 100-YEAR STORM EVENTS.
13. ALL EASEMENTS ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE PROPERTY OWNER OR HIS OR HER ASSIGNS.
14. THIS SUBDIVISION SHALL BE ZONED SF-1.
15. SIDEWALKS WILL BE PROVIDED ON THE ISD SIDE OF THE FUTURE ROAD TO THE SOUTH END OF THE PROPERTY AND ON THE ISD SIDE OF THE INTERNAL JOINT ACCESS DRIVE. TREES WILL BE PROVIDED ON THE ISD SIDE OF THE FUTURE ROAD TO THE SOUTH SIDEWALKS AND TREES WILL BE PROVIDED ON THE ISD SIDE OF FM 1660.



SHEET
02 OF 03

Henderson Professional Engineers
HPE
Civil Engineering
600 ROUND ROCK WEST
DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
WB210166 J HUB 1853873845300

DIAMOND SURVEYING, INC.
200 E. U.S. 90
SUITE 100
DALLAS, TEXAS 75243
(214) 422-1100

CITY PROJECT NUMBER: 1803 PLAT

Doc# 2021123178

METES AND BOUNDS DESCRIPTION

FOR A 154.965 ACRE TRACT OF LAND SITUATED IN THE JOHN DYKES SURVEY ABSTRACT NO. 186 IN WILLIAMSON COUNTY, TEXAS, BEING ALL OF THE CALLED 100.00 ACRE TRACT OF LAND CONVEYED TO THE HUTTO INDEPENDENT SCHOOL DISTRICT, RECORDED IN DOCUMENT NO. 200706800 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS AND BEING ALL OF THE CALLED 65.90 ACRE TRACT OF LAND CONVEYED TO THE HUTTO INDEPENDENT SCHOOL DISTRICT, RECORDED IN DOCUMENT NO. 200904414 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 154.965 ACRE TRACT OF LAND BEING SURVEYED ON THE GROUND BY DIAMOND SURVEYING DURING THE MONTH OF MARCH, 2019 AND BEING PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A 1/2" IRON ROD SET WITH CAP MARKED "DIAMOND SURVEYING" ON THE SOUTHWEST CORNER OF SAID 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, SAME BEING ON THE EASTERN BOUNDARY LINE OF THE CALLED 7.035 ACRE TRACT OF LAND CONVEYED TO THE STATE OF TEXAS, RECORDED IN VOLUME 476, PAGE 593 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, SAME BEING ON THE EASTERN RIGHT-OF-WAY LINE OF F.M. 1660 (80' RIGHT-OF-WAY WIDTH), SAME BEING ON THE NORTHWEST CORNER OF THE REMAINT PORTION OF THE CALLED 166.99 ACRE TRACT OF LAND CONVEYED TO HUTTO 1660, I.P. RECORDED IN DOCUMENT NO. 201900072, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, FOR THE SOUTHWEST CORNER AND POINT OF BEGINNING HEREOF, FROM WHICH A TIDOT TYPE 1 CONCRETE MONUMENT FOUND MONUMENTING AN ANGLE POINT ON SAID EASTERN RIGHT-OF-WAY LINE OF F.M. 1660, SAME BEING ON THE WESTERN BOUNDARY LINE OF THE CALLED 153.34 ACRE TRACT OF LAND CONVEYED TO CONTINENTAL HOMES OF TEXAS, L.P. RECORDED IN DOCUMENT NO. 2019090376, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, BEARS S 21°05'17" E FOR A DISTANCE OF 1596.31 FEET.

THENCE, N 21°05'17" W WITH THE WESTERN BOUNDARY LINE OF SAID 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, SAID EASTERN BOUNDARY LINE OF THE 7.035 ACRE STATE OF TEXAS TRACT AND SAID EASTERN RIGHT-OF-WAY LINE OF F.M. 1660 FOR A DISTANCE OF 475.74 FEET TO A TIDOT TYPE 1 CONCRETE MONUMENT FOUND (BROKEN) MONUMENTING AN ANGLE POINT HEREOF, FROM WHICH A TIDOT TYPE 1 CONCRETE MONUMENT FOUND (BROKEN) MONUMENTING AN ANGLE POINT ON THE EAST BOUNDARY LINE OF THE CALLED 26.881 ACRE TRACT OF LAND CONVEYED TO HUALMAR LLC, RECORDED IN DOCUMENT NO. 2019059556, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, THE WEST BOUNDARY LINE OF THE CALLED 1.384 ACRE TRACT OF LAND CONVEYED TO THE STATE OF TEXAS, RECORDED IN VOLUME 476, PAGE 875 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, SAME BEING ON THE WESTERN RIGHT-OF-WAY LINE OF SAID F.M. 1660, BEARS S 71°07'32" W FOR A DISTANCE OF 79.96 FEET.

THENCE, N 21°28'18" W WITH SAID WESTERN BOUNDARY LINE OF THE 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE WESTERN BOUNDARY LINE OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, SAID EASTERN BOUNDARY LINE OF THE 7.035 ACRE STATE OF TEXAS TRACT AND SAID EASTERN RIGHT-OF-WAY LINE OF F.M. 1660 FOR A DISTANCE OF 1291.34 FEET TO A TIDOT TYPE 1 CONCRETE MONUMENT FOUND (BROKEN) MONUMENTING THE BEGINNING OF A CURVE TO THE RIGHT HEREOF.

THENCE, WITH THE NORTHWESTERLY BOUNDARY LINE OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE SOUTHEASTERLY BOUNDARY LINE OF SAID 7.035 ACRE STATE OF TEXAS TRACT AND THE SOUTHEASTLY RIGHT-OF-WAY LINE OF SAID F.M. 1660, WITH SAID CURVE TO THE RIGHT AN ARC LENGTH OF 123.15 FEET, SAID CURVE HAVING A RADIUS OF 1196.28 FEET, A DELTA ANGLE OF 89°48'14" AND A CHORD WHICH BEARS N 23°22'20" E FOR A DISTANCE OF 1561.84 FEET TO A TIDOT TYPE 1 CONCRETE MONUMENT FOUND (BROKEN) MONUMENTING THE END OF THIS CURVE HEREOF.

THENCE, N 88°18'49" E WITH THE NORTHERLY BOUNDARY LINE OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE SOUTHERLY BOUNDARY LINE OF SAID 7.035 ACRE STATE OF TEXAS TRACT AND THE SOUTHERLY BOUNDARY LINE OF THE CALLED 1.335 ACRE TRACT OF LAND CONVEYED TO THE STATE OF TEXAS, RECORDED IN VOLUME 476, PAGE 574 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, SAME BEING THE SOUTHERLY RIGHT-OF-WAY LINE OF F.M. 1660 FOR A DISTANCE OF 1432.00 FEET TO A 1/2" IRON ROD SET WITH CAP MARKED "DIAMOND SURVEYING" ON THE NORTHEAST CORNER OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT AND THE SOUTHEAST CORNER OF THE CALLED 1.335 ACRE STATE OF TEXAS TRACT AND THE NORTHWEST CORNER OF THE SOUTHERLY REMAINT PORTION OF THE CALLED 153.89 ACRE TRACT OF LAND CONVEYED TO RICKY D. KRUEGER ET AL, RECORDED IN DOCUMENT NO. 2018121073 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, FOR THE NORTHEAST CORNER HEREOF, FROM WHICH A 1/2" IRON ROD FOUND MONUMENTING THE NORTHEAST CORNER OF SAID REMAINT PORTION OF THE 153.89 ACRE TRACT OF LAND CONVEYED TO RICKY D. KRUEGER ET AL, RECORDED IN DOCUMENT NO. 2018121073 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID BEING ON SAID SOUTHERLY RIGHT-OF-WAY LINE OF F.M. 1660, BEARS N 68°19'49" E FOR A DISTANCE OF 1115.93 FEET.

THENCE, S 21°35'08" W WITH THE EASTERN BOUNDARY LINE OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT AND THE WESTERN BOUNDARY LINE OF SAID REMAINT PORTION OF THE 153.89 ACRE KRUGER TRACT FOR A DISTANCE OF 775.51 FEET TO A 1" IRON PIPE FOUND MONUMENTING AN ANGLE POINT IN SAID EASTERN BOUNDARY LINE OF THE 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE SOUTHWEST CORNER OF SAID REMAINT PORTION OF THE 153.89 ACRE KRUGER TRACT AND THE NORTHWEST CORNER OF THE CALLED 14.00 ACRE TRACT OF LAND CONVEYED TO HOWARD RAY SLADEK, RECORDED IN VOLUME 867, PAGE 147 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, FOR AN ANGLE POINT HEREOF, FROM A 1/2" IRON PIPE FOUND BEARS N 49°09'12" W FOR A DISTANCE OF 0.82 FEET.

THENCE, S 21°32'30" E WITH THE EASTERN BOUNDARY LINE OF SAID 100.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE WESTERN BOUNDARY LINE OF SAID 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, THE WESTERN BOUNDARY LINE OF SAID 14.00 ACRE SLADEK TRACT AND IN PART WITH THE WESTERN BOUNDARY LINE OF THE CALLED 27.36 ACRE TRACT OF LAND CONVEYED TO HOWARD R. SLADEK AND WIFE, BRENDA SLADEK, RECORDED IN VOLUME 866, PAGE 661 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS, PASSING AT A DISTANCE OF 1007.83 FEET AN IRON ROD FOUND WITH CAP MARKED "LENZ & ASSOCIATES", 0.42' WEST OF THIS LINE, IN ALL A TOTAL DISTANCE OF 2095.94 FEET TO AN IRON ROD FOUND WITH CAP MARKED "LENZ & ASSOCIATES" MONUMENTING THE SOUTHEAST CORNER OF SAID 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT AND THE NORTHEAST CORNER OF SAID 153.34 ACRE CONTINENTAL HOMES OF TEXAS, L.P. TRACT FOR THE SOUTHEAST CORNER HEREOF.

THENCE, S 68°34'54" W WITH THE SOUTH BOUNDARY LINE OF SAID 65.00 ACRE HUTTO INDEPENDENT SCHOOL DISTRICT TRACT, IN PART WITH THE NORTH BOUNDARY LINE OF SAID 153.34 ACRE CONTINENTAL HOMES OF TEXAS, L.P. TRACT AND SAID 169.99 ACRE HUTTO 1660, L.P. TRACT FOR A DISTANCE OF 2668.72 FEET TO THE POINT OF BEGINNING HEREOF, AND CONTAINING 154.965 ACRES OF LAND MORE OR LESS.

BEARING BASIS: NAD-83, TEXAS CENTRAL ZONE (4203), DISTANCES SHOWN HEREON ARE SURFACE BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.0002

FINAL PLAT
HUTTO INDEPENDENT SCHOOL DISTRICT
MAINTENANCE FACILITY SUBDIVISION

STATE OF TEXAS

COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS

WE, HUTTO INDEPENDENT SCHOOL DISTRICT, OWNERS OF THAT CERTAIN 100.00 ACRE TRACT OF LAND, SHOWN HEREON AND RECORDED IN DOCUMENT NO. 200706800 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS AND THAT CERTAIN 65.00 ACRE TRACT OF LAND SHOWN HEREON AND RECORDED IN DOCUMENT NO. 200904414 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, DO HEREBY STATE THERE ARE NO LIEN HOLDERS OF SAID TRACTS OF LAND AND DOES HEREBY SUBDIVIDE 164.968 ACRES AS SHOWN HEREON AND DOES HEREBY DEDICATE TO THE PUBLIC THE ROADS, ALLEYS, RIGHT-OF-WAY EASEMENTS AND PUBLIC PLACES SHOWN HEREON FOR SUCH PUBLIC PURPOSES AS THE CITY OF HUTTO MAY DEEM APPROPRIATE AND DOES HEREBY STATE THAT ALL PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THIS PLAT ARE FREE OF LIENS. THE SUBDIVISION IS TO BE KNOWN AS HUTTO INDEPENDENT SCHOOL DISTRICT MAINTENANCE FACILITY SUBDIVISION.

TO CERTIFY WHICH, WITNESS BY MY HAND THIS 21st DAY OF July, 2021

BRANDON CARDWELL, CELINA E. SHAFER, THOMAS P. HENDERSON, PH.D.
DIRECTOR OF FACILITIES AND OPERATIONS
HUTTO INDEPENDENT SCHOOL DISTRICT
P.O. BOX 430
HUTTO, TEXAS 75854

STATE OF TEXAS

COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED BRANDON CARDWELL, KNOWN BY ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT THEY EXECUTED THE FOREGOING INSTRUMENT AS THE OWNER OF THE PROPERTY DESCRIBED HEREOF.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS 21st DAY OF July, 2021

Linda Runneger

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES ON:



STATE OF TEXAS

COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS

I, SHANE SHAFER, REGISTERED PROFESSIONAL LAND SURVEYOR, NO. 5281, IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECTLY MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY AND THAT PROPERTY MARKERS AND MONUMENTS WERE PLACED UNDER MY SUPERVISION ON THE GROUND. THE FIELD WORK WAS COMPLETED ON Nov. 6, 2020.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL THIS 9th DAY OF JULY, 2021

Shane Shafer

SHANE SHAFER
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5281
STATE OF TEXAS
116 SKYLINE ROAD
GEORGETOWN, TEXAS 78626
512.931.3100



STATE OF TEXAS

COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS

I, JENNIFER L. HENDERSON, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT IS IN COMPLIANCE WITH THE CODES AND ORDINANCES OF THE CITY OF HUTTO, TEXAS.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT CITY OF GEORGETOWN, WILLIAMSON COUNTY, TEXAS, THIS 10th DAY OF July, 2021

JENNIFER L. HENDERSON
REGISTERED PROFESSIONAL ENGINEER, NO. 116883
STATE OF TEXAS
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TEXAS 78681
512.350.6228



PLANNING AND ZONING COMMISSION CHAIR SIGNATURE:

THIS PLAT WAS APPROVED FOR RECORDING BY THE HUTTO PLANNING AND ZONING COMMISSION ON THIS 6th DAY OF July, 2021

ASHLEY LUMPKIN, AT
CITY OF HUTTO, DEVELOPMENT SERVICES DEPARTMENT

THIS IS LOCATED WITHIN THE INCORPORATED CITY LIMITS OF HUTTO THIS IS 3rd DAY OF August, 2021

ASHLEY LUMPKIN, AT
CITY OF HUTTO, DEVELOPMENT SERVICES DEPARTMENT

STATE OF TEXAS

COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS

I, NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT IN WRITING, WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE ON THE 21st DAY OF August 2021 A.D. AT 1:10 O'CLOCK P.M. AND DULY RECORDED THIS 21st DAY OF August, 2021 A.D. AT 1:10 O'CLOCK P.M. IN THE OFFICIAL PUBLIC RECORDS OF SAID COUNTY IN INSTRUMENT NO. 2021123178.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT THE COUNTY COURT OF SAID COUNTY AT MY OFFICE IN GEORGETOWN, TEXAS THE DATE LAST SHOWN ABOVE WRITTEN



NANCY RISTER, CLERK COUNTY COURT
OF WILLIAMSON COUNTY, TEXAS

By: Brenda McKenzie, DEPUTY
Brenda McKenzie

SHEET
03 OF 03

Henderson Professional Engineers
HPE
Civil Engineering
600 ROUND ROCK WEST
DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
WBCE210166 | HUB 1853873845300



CITY PROJECT NUMBER 1803 PLAT

AGENDA ITEM REPORT

9.1.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-249 for the issuance of \$11 million in tax-supported General Obligation Bonds for park improvements (Anne LaMere and Jim Sabonis)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

In order to have forward movement for the Fritz Park renovation, funding will be required to issue the Construction Manager at Risk (CMAR) contract. The use of a CMAR Firm Fixed Price contract was requested by Council at the 6 July meeting <https://huttotx.new.swagit.com/videos/263927> 3:11:08 motion and 3:27:30 vote 6-1 in favor. Construction bids are out and scheduled to be presented to Council in November.

Issuance of \$11M in bonds at 4.96% would increase tax supported debt service by about \$795,000 per year, or .0174 cents; however, given the growth in properties, it is anticipated that the appraisal valuation will increase and that the total debt service Interest & Sinking Tax Rate will decrease, even with the issuance of these bonds.

SUMMARY OF REQUEST:

Approve resolution for the issuance of bonds

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

Fiscal information presented above.

ATTACHMENTS:

1. Hutto - GO Bonds Series 2023A - Plan of Finance 9.25.2023



Jim Sabonis

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Fax: 214.953.4050
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Jorge Delgado

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City of Hutto, Texas

Plan of Finance to Fund Park and Road Improvements

Issuance of General Obligation Bonds, Series 2023A



Plan of Finance

Debt Instrument =	General Obligation Bonds, Series 2023A
Purpose =	Park Funding
Project Cost =	\$11,000,000
Issuance Date =	11/02/23
Closing Date =	11/29/23
Debt Structure =	Level Principal and Interest
Projected All-in True Interest Cost % =	4.96%

Sources and Uses of Funds

Par Amount of Bonds	\$11,325,000
Bond Premium / (Discount)	\$32,362
Total Sources of Funds	\$11,357,362
Project Fund Deposit	\$11,000,000
Costs of Issuance	\$148,087
Underwriter's Discount	\$169,275
Total Uses of Funds	\$11,317,362

Projected Transaction Numbers

Total P&I	\$19,425,177		
Average Annual P&I	\$777,007		
Use of I&S Fund Balance to Offset I&S Rate	\$1,382,702		
		Scenario One	Scenario Two
Projected I&S Tax Rate		Conservative TAV Growth	No TAV Growth
Max. Projected Rate		\$0.13363	\$0.15983
Fiscal 2024 Rate		\$0.13363	\$0.13363
Impact to I&S Rate		\$0.00000	\$0.02620

Projected Transaction Numbers

Scenario One - Conservation TAV Growth



Fiscal Year	Estimated Growth	Adjusted Taxable Assessed Valuation ⁽¹⁾	Existing Tax-Supported General Obligation Debt Service	\$11,325,000 General Obligation Bonds, Series 2023A Funding for Parks All-in True Interest Cost = 5.03% ⁽²⁾			Less: I&S Debt Service Funds on Hand ⁽⁵⁾	Less: Interest Earnings on Construction Fund ⁽⁴⁾	NET NEW Tax-Supported General Obligation Debt Service	Required Debt Service (I&S) Tax Rate ⁽⁵⁾	Variance from FY 2024 Tax Rate ⁽⁵⁾
Ending 9/30	Factor ⁽¹⁾			Principal	Interest	Total D/S					\$0.1336
2023	37.23%	\$3,872,083,498	\$5,750,872	\$0	\$0	\$0	\$7,449	\$0	\$5,743,423	\$0.14806	NA
2024	17.92%	4,566,054,581	6,412,946	0	367,995	367,995	576,600	163,648	6,040,693	\$0.13363	NA
2025	9.00%	4,976,999,493	6,484,029	100,000	547,431	647,431	547,105	0	6,584,355	\$0.13363	0.00000
2026	9.00%	5,424,929,448	6,482,893	100,000	541,931	641,931	0	0	7,124,825	\$0.13266	(0.00097)
2027	9.00%	5,913,173,098	6,429,655	100,000	536,431	636,431	0	0	7,066,086	\$0.12070	(0.01293)
2028	0.00%	5,913,173,098	6,416,185	100,000	530,931	630,931	0	0	7,047,116	\$0.12038	(0.01325)
2029	0.00%	5,913,173,098	6,307,693	200,000	525,431	725,431	0	0	7,033,124	\$0.12014	(0.01349)
2030	0.00%	5,913,173,098	6,194,957	200,000	514,431	714,431	0	0	6,909,389	\$0.11803	(0.01560)
2031	0.00%	5,913,173,098	6,098,319	200,000	503,431	703,431	0	0	6,801,751	\$0.11619	(0.01744)
2032	0.00%	5,913,173,098	6,058,718	200,000	492,431	692,431	0	0	6,751,149	\$0.11532	(0.01831)
2033	0.00%	5,913,173,098	5,997,243	200,000	481,431	681,431	0	0	6,678,674	\$0.11409	(0.01955)
2034	0.00%	5,913,173,098	5,991,356	200,000	470,431	670,431	0	0	6,661,787	\$0.11380	(0.01983)
2035	0.00%	5,913,173,098	5,956,619	200,000	459,431	659,431	0	0	6,616,051	\$0.11302	(0.02062)
2036	0.00%	5,913,173,098	5,950,756	200,000	448,431	648,431	0	0	6,599,188	\$0.11273	(0.02090)
2037	0.00%	5,913,173,098	5,491,983	600,000	437,431	1,037,431	0	0	6,529,415	\$0.11154	(0.02210)
2038	0.00%	5,913,173,098	5,216,435	625,000	410,431	1,035,431	0	0	6,251,866	\$0.10680	(0.02684)
2039	0.00%	5,913,173,098	5,222,031	655,000	382,306	1,037,306	0	0	6,259,338	\$0.10692	(0.02671)
2040	0.00%	5,913,173,098	5,225,033	685,000	352,013	1,037,013	0	0	6,262,045	\$0.10697	(0.02666)
2041	0.00%	5,913,173,098	5,213,025	715,000	321,188	1,036,188	0	0	6,249,213	\$0.10675	(0.02688)
2042	0.00%	5,913,173,098	5,219,538	745,000	288,119	1,033,119	0	0	6,252,656	\$0.10681	(0.02682)
2043	0.00%	5,913,173,098	4,189,350	785,000	252,731	1,037,731	0	0	5,227,081	\$0.08929	(0.04434)
2044	0.00%	5,913,173,098	4,192,200	820,000	214,463	1,034,463	0	0	5,226,663	\$0.08928	(0.04435)
2045	0.00%	5,913,173,098	2,497,988	860,000	175,513	1,035,513	0	0	3,533,500	\$0.06036	(0.07327)
2046	0.00%	5,913,173,098	2,494,850	900,000	134,663	1,034,663	0	0	3,529,513	\$0.06029	(0.07334)
2047	0.00%	5,913,173,098	2,496,913	945,000	91,913	1,036,913	0	0	3,533,825	\$0.06037	(0.07327)
2048	0.00%	5,913,173,098	849,638	990,000	47,025	1,037,025	0	0	1,886,663	\$0.03223	(0.10140)
			\$134,841,222	\$11,325,000	\$9,527,964	\$20,852,964	\$1,131,154	\$163,648	\$154,399,385		

Notes & Assumptions

- (1) Fiscal 2023 & 2024 TAV is actual. Growth assumptions from Fiscal Years 2025-2027 as provided by City Staff. Subject to change.
- (2) Assumes "AA-" tax-exempt insured interest rates plus 0.50% as of September 20, 2023. **Subject to change at any time.**
- (3) As per tax assessor collector. FYE 2023-2024 adopted budget shows \$1,832,108 debt service fund balance.
- (4) Project Fund 6-month level drawdown invested at 4.96%.
- (5) Fiscal 2023 & 2024 tax rate is actual. Debt Service (I&S) Tax Rates calculated assuming 99% collections thereafter.

Projected Transaction Numbers

Scenario Two – No TAV Growth



Fiscal Year	Estimated Growth Factor ⁽¹⁾	Adjusted Taxable Assessed Valuation ⁽¹⁾	Existing Tax-Supported General Obligation Debt Service	\$11,100,000 General Obligation Bonds, Series 2023A Funding for Parks All-in True Interest Cost = 4.96% ⁽²⁾			Less: I&S Debt Service Funds on Hand ⁽³⁾	Less: Interest Earnings on Construction Fund ⁽⁴⁾	NET NEW Tax-Supported General Obligation Debt Service	Required Debt Service (I&S) Tax Rate ⁽⁵⁾	Variance from FY 2024 Tax Rate ⁽⁵⁾
Ending 9/30				Principal	Interest	Total D/S					\$0.1336
2023	37.23%	\$3,872,083,498	\$5,750,872	\$0	\$0	\$0	\$7,449	\$0	\$5,743,423	\$0.14806	NA
2024	17.92%	4,566,054,581	6,412,946	0	371,533	371,533	582,446	161,339	6,040,693	\$0.13363	NA
2025	0.00%	4,566,054,581	6,484,029	240,000	552,694	792,694	692,367	0	6,584,355	\$0.14566	0.01203
2026	0.00%	4,566,054,581	6,482,893	255,000	539,494	794,494	100,440	0	7,176,947	\$0.15877	0.02514
2027	0.00%	4,566,054,581	6,429,655	270,000	525,469	795,469	0	0	7,225,124	\$0.15983	0.02620
2028	0.00%	4,566,054,581	6,416,185	285,000	510,619	795,619	0	0	7,211,804	\$0.15954	0.02591
2029	0.00%	4,566,054,581	6,307,693	300,000	494,944	794,944	0	0	7,102,637	\$0.15712	0.02349
2030	0.00%	4,566,054,581	6,194,957	315,000	478,444	793,444	0	0	6,988,401	\$0.15460	0.02097
2031	0.00%	4,566,054,581	6,098,319	335,000	461,119	796,119	0	0	6,894,438	\$0.15252	0.01889
2032	0.00%	4,566,054,581	6,058,718	350,000	442,694	792,694	0	0	6,851,411	\$0.15157	0.01793
2033	0.00%	4,566,054,581	5,997,243	370,000	423,444	793,444	0	0	6,790,686	\$0.15022	0.01659
2034	0.00%	4,566,054,581	5,991,356	390,000	403,094	793,094	0	0	6,784,449	\$0.15009	0.01645
2035	0.00%	4,566,054,581	5,956,619	410,000	381,644	791,644	0	0	6,748,263	\$0.14928	0.01565
2036	0.00%	4,566,054,581	5,950,756	435,000	359,094	794,094	0	0	6,744,850	\$0.14921	0.01558
2037	0.00%	4,566,054,581	5,491,983	460,000	335,169	795,169	0	0	6,287,152	\$0.13908	0.00545
2038	0.00%	4,566,054,581	5,216,435	480,000	314,469	794,469	0	0	6,010,904	\$0.13297	(0.00066)
2039	0.00%	4,566,054,581	5,222,031	500,000	292,869	792,869	0	0	6,014,900	\$0.13306	(0.00057)
2040	0.00%	4,566,054,581	5,225,033	525,000	269,744	794,744	0	0	6,019,776	\$0.13317	(0.00046)
2041	0.00%	4,566,054,581	5,213,025	545,000	246,119	791,119	0	0	6,004,144	\$0.13282	(0.00081)
2042	0.00%	4,566,054,581	5,219,538	575,000	220,913	795,913	0	0	6,015,450	\$0.13307	(0.00056)
2043	0.00%	4,566,054,581	4,189,350	600,000	193,600	793,600	0	0	4,982,950	\$0.11023	(0.02340)
2044	0.00%	4,566,054,581	4,192,200	630,000	164,350	794,350	0	0	4,986,550	\$0.11031	(0.02332)
2045	0.00%	4,566,054,581	2,497,988	660,000	134,425	794,425	0	0	3,292,413	\$0.07283	(0.06080)
2046	0.00%	4,566,054,581	2,494,850	690,000	103,075	793,075	0	0	3,287,925	\$0.07274	(0.06090)
2047	0.00%	4,566,054,581	2,496,913	725,000	70,300	795,300	0	0	3,292,213	\$0.07283	(0.06080)
2048	0.00%	4,566,054,581	849,638	755,000	35,863	790,863	0	0	1,640,500	\$0.03629	(0.09734)
			\$134,841,222	\$11,100,000	\$8,325,177	\$19,425,177	\$1,382,702	\$161,339	\$152,722,357		

Notes & Assumptions

- (1) Fiscal 2023 & 2024 TAV is actual. Growth assumptions from Fiscal Years 2025-2027 as provided by City Staff. Subject to change.
- (2) Assumes "AA-" tax-exempt insured interest rates plus 0.50% as of September 20, 2023. **Subject to change at any time.**
- (3) As per tax assessor collector. FYE 2023-2024 adopted budget shows \$1,832,108 debt service fund balance.
- (4) Project Fund 6-month level drawdown invested at 4.96%.
- (5) Fiscal 2023 & 2024 tax rate is actual. Debt Service (I&S) Tax Rates calculated assuming 99% collections thereafter.

Schedule of Events



Date	Event
September 28, 2023	1) Presentation of Plan of Finance to issue General Obligation Bonds, Series 2023A 2) City Council considers and approves plan of finance and directs staff and consultants to implement
October – November 2023	Preparation of offering documents and credit rating calls
November 2, 2023	1) Pricing of General Obligation Refunding Bonds, Series 2023A 2) City Council considers and approves Ordinance authorizing the issuance of General Obligation Bonds, Series 2023A
Prior to Closing	Texas Attorney General approves issue
November 29, 2023	Closing and Delivery of Funds to the City



Questions and Discussion

AGENDA ITEM REPORT

9.2.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-241 for the reconciliation of Fund 60 Bond Fund to include reclassification of expenses to the General Fund, 2022 General Obligation Bond Fund, and Park Improvement Fund (Anne LaMere and Christina Bishop)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere and Christina Bishop

BACKGROUND INFORMATION:

The Bond Fund has been reconciled and requires Council approval for the movement of expenses between funds. Of the negative cash balance of \$2,094,095, \$1.5M can be reimbursed from 2022 General Obligation Bond Funds for Road Projects; \$10k is related to an air conditioner for a park facility will be reimbursed from the Park Improvement Fund and \$519k and is ineligible to be reimbursed from Bond funds and will need to be paid from the General Fund.

A new process was put in place in 2022 whereby each Bond Issuance has an assigned fund. There is no more commingling of bond issuances in one fund. Now each Bond Issuance has its own designated fund.

AGENDA ITEM REPORT

9.2.



City of Hutto
General Capital Projects Fund (60)
Proposed Expense Reimbursements and Reclassifications

Reimbursement of Expenditures with 2022 GO Bond Funds

Transfer to Account	Vendor	Description	Amount
12-040-060-6722	HNTB	Design and Engineering - FM 1660 Projects	1,563,035.41
12-040-060-6722	Union Pacific Railroad	Design and Engineering - Road Projects	1,789.49
			1,564,824.90

Reclassification of Expenses to Park Improvement Fund

Transfer to Account	Vendor	Description	Amount
40-060-032-6681	Carrier Corporation	Air Conditioning for Mager Concession Stand	10,173.00
			10,173.00

Reclassification of Expenses to General Fund

Transfer to Account	Vendor	Description	Amount
10-100-000-6633	Williamson County Auditor	Animal Shelter Expansion Payment	235,174.76
10-040-060-6699	Independence Title	Easement/ROW Acquisition	116,478.30
10-040-060-6699	Larry Lamberson	Easement/ROW Acquisition	68,927.00
10-040-060-6699	Salvador Sanchez	Easement/ROW Acquisition	48,803.70
10-040-060-6699	MA Partners	Co-Op Project	42,754.82
10-040-060-6699	Prominent Title	Easement/ROW Acquisition	3,816.00
10-040-060-6215	P-Card Expenses	Miscellaneous supplies for road projects	2,618.51
10-040-060-6215	Techline Pipe LP	Supplies for road projects	524.48
			519,097.57
			2,094,095.47

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This fund predates the current accounting system implementation of 2013 and contained thousands of entries that needed research and reconciliation. Christina Bishop deserves recognition for her work in reconciling this fund. She also deserves credit for the creation of a new system of creating a new fund for each bond issue so that there is an identified process for knowing which transactions go with which bond issuance.

AGENDA ITEM REPORT

9.2.



ATTACHMENTS:

1. Hutto Resolution 2023 092823 Reconciliation Fund 60 Bond Fund
2. Reimbursement Reconciliation

RESOLUTION NO. R-2023-241

**A RESOLUTION OF THE CITY OF HUTTO
ACKNOWLEDGING RECONCILIATION OF PRIOR YEAR
BOND TRANSACTIONS FOR FUND 60 GENERAL
CAPITAL IMPROVEMENT FUND AND MOVING
EXPENSE TO PROPER FUND.**

WHEREAS, the City of Hutto, Texas (the “City”), is a home rule city operating under the laws of its Charter and the State and Texas, by and through its duly elected City Council members; and

WHEREAS, the fiscal year commences for the City on October 1 and ends on September 30 of each year; and

WHEREAS, the City Council finds that expenses were incurred prior to the issuance of bonds for transportation projects expecting that reimbursement would occur from the Bond funds after bond issuance and these expenses were recorded in the accounting ledger of the City in Fund 60 also known as the General Capital Improvement Fund; and

WHEREAS, Fund 60 was used in this manner prior to the implementation of the new accounting system in fiscal year 2013 and beginning balances were carried over from the prior accounting system as of September 30, 2013; and

WHEREAS, Fund 60 continued to be used to book expected bond fund expenditures with current balances revealing \$2,094,095.47 in expense and negative cash that has not yet been reimbursed by a bond issuance, with over 6,700 lines of transactions that needed to be analyzed and reconciled; and

WHEREAS, after reconciliation it shows that \$1,564,824.90 in expense shall be moved to Fund 12 Capital Projects General Obligation Fund for soft cost expenses related to FM1660 engineering design; \$519,097.57 in expense shall be moved to Fund 10 as expenses that ineligible to be reimbursed from Bond funds and \$10,173.00 in expense shall be moved to the Park Improvement Fund for an air conditioner purchase for a park structure, with corresponding offsets to Cash in each fund; and

WHEREAS, this will not happen again as each bond issuance will be provided a separate fund within the City as evidenced by the most recent bond issuances from fiscal years 2022 and 2023.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION I.

The foregoing recitals are incorporated into this Resolution by reference as findings of fact as if expressly set forth herein.

City of Hutto
Resolution Fund 60 General Capital Improvements

September 2023

SECTION II.

The City Council of the City of Hutto hereby acknowledges and approves of the resolution and closing of Fund 60 General Capital Improvement Fund.

SECTION III.

The City Finance staff is directed to make the entries required to close Fund 60 .

SECTION IV.

The provisions of this Resolution are severable, and if any sentence, section, or other parts of this Resolution should be found to be invalid, such invalidity shall not affect the remaining provisions, and the remaining provisions shall continue in full force and effect.

SECTION V.

All Resolutions and parts thereof in conflict herewith are hereby expressly repealed insofar as they conflict.

SECTION VI.

The City Council hereby finds and declares that written notice of the date, hour, place, and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject hereof were discussed, considered, and formerly acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

SECTION VII.

This Resolution shall take effect and be in force from and after its passage.

RESOLVED this 28th day of September, 2023.

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

City of Hutto
General Capital Projects Fund (60)
Proposed Expense Reimbursements and Reclassifications

Reimbursement of Expenditures with 2022 GO Bond Funds

Transfer to Account	Vendor	Description	Amount
12-040-060-6722	HNTB	Design and Engineering - FM 1660 Projects	1,563,035.41
12-040-060-6722	Union Pacific Railroad	Design and Engineering - Road Projects	<u>1,789.49</u>
			1,564,824.90

Reclassification of Expenses to Park Improvement Fund

Transfer to Account	Vendor	Description	Amount
40-060-032-6681	Carrier Corporation	Air Conditioning for Mager Concession Stand	<u>10,173.00</u>
			10,173.00

Reclassification of Expenses to General Fund

Transfer to Account	Vendor	Description	Amount
10-100-000-6633	Williamson County Auditor	Animal Shelter Expansion Payment	235,174.76
10-040-060-6699	Independence Title	Easement/ROW Acquisition	116,478.30
10-040-060-6699	Larry Lamberson	Easement/ROW Acquisition	68,927.00
10-040-060-6699	Salvador Sanchez	Easement/ROW Acquisition	48,803.70
10-040-060-6699	MA Partners	Co-Op Project	42,754.82
10-040-060-6699	Prominent Title	Easement/ROW Acquisition	3,816.00
10-040-060-6215	P-Card Expenses	Miscellaneous supplies for road projects	2,618.51
10-040-060-6215	Techline Pipe LP	Supplies for road projects	<u>524.48</u>
			519,097.57
			<u>2,094,095.47</u>

AGENDA ITEM REPORT

10.1.



To: City Council
Subject: Consideration and possible action relating to the Ed Schmidt Improvements report recommendations (CIP T10) (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On March 23, 2023 City Council executed a contract with Garver related to Ed Schmidt Traffic Study for future improvements. The scope of that contract was to

- Perform Traffic Data Collection
- Provide Traffic Analysis
- Provide a Traffic Report

Garver has submitted their final report which includes their previous study for traffic safety considerations that they had performed in October 2022. The report suggest improvements at three intersections.

Ed Schmidt at Limmer Loop



Figure 13. Limmer Loop - Existing and Proposed Modeled Geometry

Ed Schmidt at Emory Farms/Live Oak

AGENDA ITEM REPORT

10.1.



Figure 14. Emory Farms/Live Oak - Existing and Proposed Modeled Geometry

Ed Schmidt at Lowes Drive

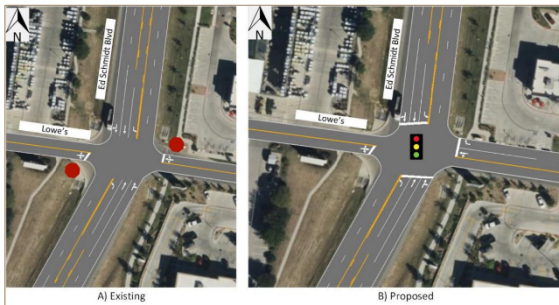


Figure 15. Lowe's - Existing and Proposed Modeled Geometry

The safety recommendations include



Figure 4. Recommended raised median

Additionally, they recommend the completion/extension of sidewalks.

AGENDA ITEM REPORT

10.1.



SUMMARY OF REQUEST:

Accept report as presented and provide direction to staff, if any.

STAFF REVIEW:

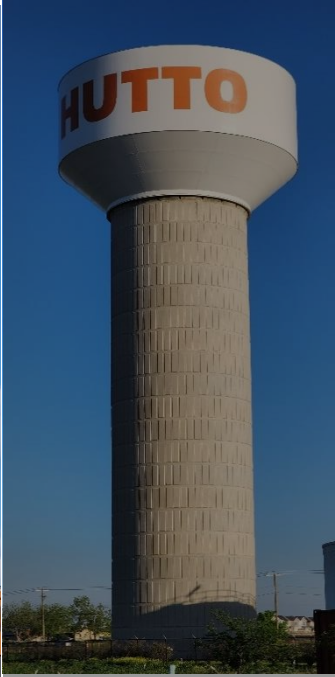
Staff requests the acceptance of the report and the direction on the priorities for the recommended improvements.

FISCAL NOTES:

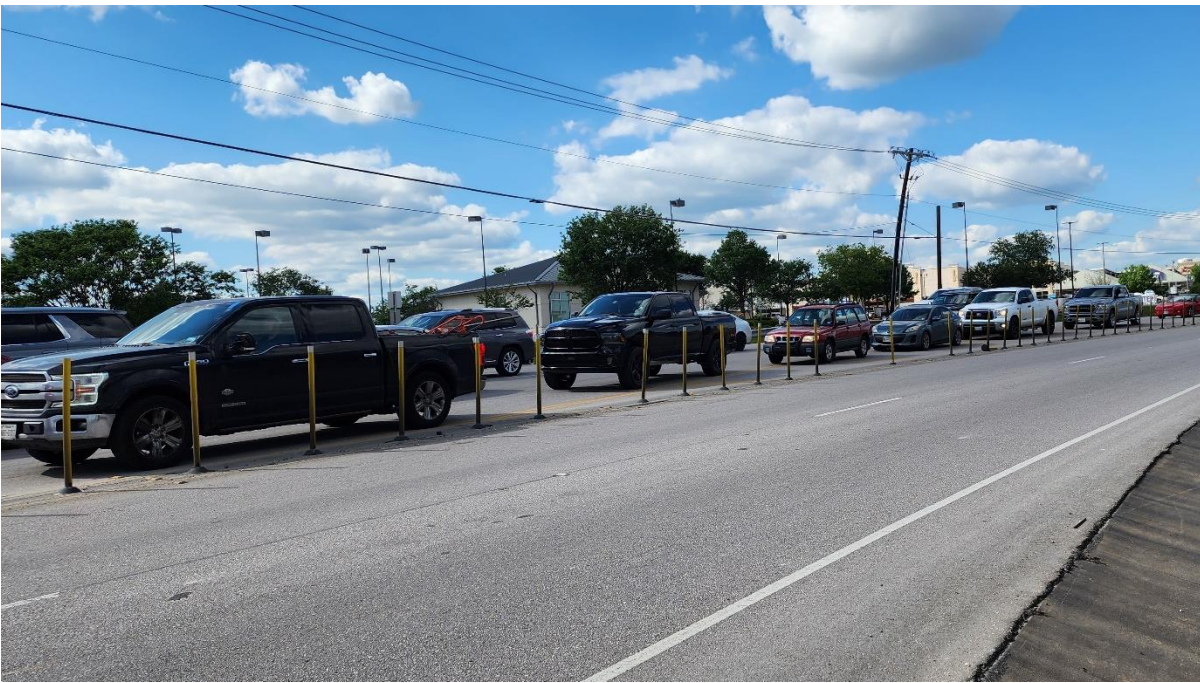
No fiscal impact from acceptance of report. Once direction is provided to staff on which options to price, staff will bring back cost information.

ATTACHMENTS:

1. Ed Schmidt Blvd_Traffic Report
2. Report summary



Ed Schmidt Boulevard (CR 119) Traffic Study From US 79 to Limmer Loop



Prepared For:
City of Hutto, TX
August 2023



City of Hutto
Ed Schmidt Boulevard (CR 119)
Traffic Study
US 79 to Limmer Loop

Prepared for:



Prepared by:



3000 Internet Boulevard, Suite 400
Frisco, Texas 75034

August 2023

Garver Project No.: 21T47010

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Appendix B – Traffic Counts
Appendix C – Synchro Output Reports
Appendix D – Conceptual Layout Improvements

Executive Summary

Garver prepared a traffic study for a 1.2-mile-long stretch of Ed Schmidt Boulevard (CR 119) from US 79 to Limmer Loop. This study investigated traffic impacts on corridor major intersections, operations associated with the new developments in the area and the associated traffic growth. The study also evaluated corridor access management and pedestrian infrastructure. A field visit was performed in April of 2023 to document existing issues, make observations along the corridor, and to assess traffic conditions. Weekday traffic volumes were also obtained at Limmer Loop and Lowe's access intersections in April of 2023.

Current peak hour traffic volumes were developed using 2023 traffic counts by applying an annual growth factor of 4% for the first ten years (2023-2033) and 2% for the next ten years (2033-2043). The city expects steady traffic growth in the recent future. As the land gets developed the growth is expected to slow down, thus the lower 2% growth is applied to for the last ten years. The engineer developed the morning and afternoon peak hour volumes and conducted operational analysis for Existing Conditions (2023), No Build Conditions (2033 and 2043), and Build Conditions (2033 and 2043). The No Build Conditions assumed no improvements along the corridor, except for the extension of Live Oak Street to Ed Schmidt Blvd, while the Build Conditions contained all the proposed geometrical improvements, including a proposed traffic signal at Lowe's access, which is currently two-way stop-controlled intersection.

Based upon the analyses performed, Garver summarized the problems found, and provided summaries of short-term and long-term improvements to alleviate deficiencies and to ensure that the corridor operates at an acceptable level of service. The following corridor issues are noted:

1. No sidewalk on the east side of the corridor and non-continuous sidewalk on the west side of the corridor.
2. Inadequate pedestrian facilities surrounding the Ed Schmidt Boulevard and US 79 intersection to accommodate students from the Hutto High School
3. Limmer Loop intersection geometry is currently not adequate to handle traffic demand
4. No midblock pedestrian crossing at 1.2 miles long Ed Schmidt Boulevard from US 79 to Limmer Loop
5. High number of access points along the southern part of the study corridor poses a safety concern
6. Limited sight distance for left turning vehicles from the center two way left turn lane
7. Varying speed limits posted along corridor, ranging between 35 mph at the south end of the corridor and 50 mph at the north end of the study corridor.

Recommended short-term (immediate) improvements are:

1. Construct sidewalk on east side of the corridor and on the northwest side of the corridor.
2. Add an eastbound right turn bay and a northbound right turn bay at Limmer Loop.
3. Consider adding midblock pedestrian crossing north of Lowe's (between Hampton Inn and Chipotle).
4. Consider converting center turn lane to a raised median with shrubs and other vegetation. A raised median could be installed from US 79 to the Lowe's access drive, allowing only right in/right out maneuvers and preventing eastbound left and westbound left turn movements from the driveways.
5. Designate consistent posted speed limits along the corridor.

Recommended long-term (i.e., within next 5 to 10 years) improvements:

1. Widen Ed Schmidt Boulevard to two lanes in each direction through the entire corridor.
2. Widen Limmer Loop to two through lanes in each direction.
3. Add a second westbound left turn lane at Limmer Loop.
4. Add a second northbound left turn lane at Limmer Loop.
5. Convert a two-way stop-controlled intersection at the Lowe's access to a signalized intersection.
6. Convert a two-way stop-controlled intersection at Emory Farms/Live Oak to a signalized intersection.

The report contains the associated costs with each recommended improvement shown in **Table 13**.

1.0 Introduction

At the request of the City of Hutto, Garver has conducted a study to evaluate traffic operations and potential safety deficiencies along Ed Schmidt Boulevard. This report also includes proposed operational and safety improvements within the study area.

The limit of the study stretches 1.2 miles along Ed Schmidt Boulevard from the US-79 intersection on the south to the Limmer Loop intersection on the north, as shown in **Figure 1**. Traffic operations have been evaluated at the intersections of US 79 (signalized), Lowe's access point (two-way stop), Emory Farms Avenue (two-way stop) and Limmer Loop (signalized) with Ed Schmidt Boulevard for existing and future traffic volumes.

2.0 Existing Conditions

Existing conditions were observed during a site visit conducted April 11-12, 2023.

2.1 Ed Schmidt Boulevard Corridor

Commercial and residential developments are adjacent to the corridor. Additionally, Hutto High School is located south of the study area, south of US 79.

Ed Schmidt Boulevard is an existing minor arterial roadway, connecting US 79 to Limmer Loop and providing access to the adjacent resident development. Within the study area, there are 22 access points, providing access to commercial and residential properties.

Ed Schmidt Boulevard is a 5-lane section with two 11.5-foot lanes in each direction and a 14-foot center turn lane from the US 79 intersection to an unnamed intersection approximately 1,435 feet north of US 79. The posted speed limit in this segment is 35 mph. North of the 5-lane section, Ed Schmidt Boulevard transitions to a 3-lane section, one 12-foot lane in each direction with a 16-foot center turn lane, extending north to Limmer Loop. The speed limit within this section is 50 mph. Right-of-way varies along the corridor – from 150 feet on the south 5-lane section, to 100 feet on the northern 3-lane section.



Figure 1. Study Limits

During the field observations, it was noted that sidewalks are not continuous, raising safety concerns for pedestrians and cyclists. See **Figure 2**. Sidewalks do not exist along the east side of Ed Schmidt Boulevard. Additionally, there are not midblock pedestrian crossings at Ed Schmidt Boulevard anywhere between US 79 and Limmer Loop intersections which is a concern.

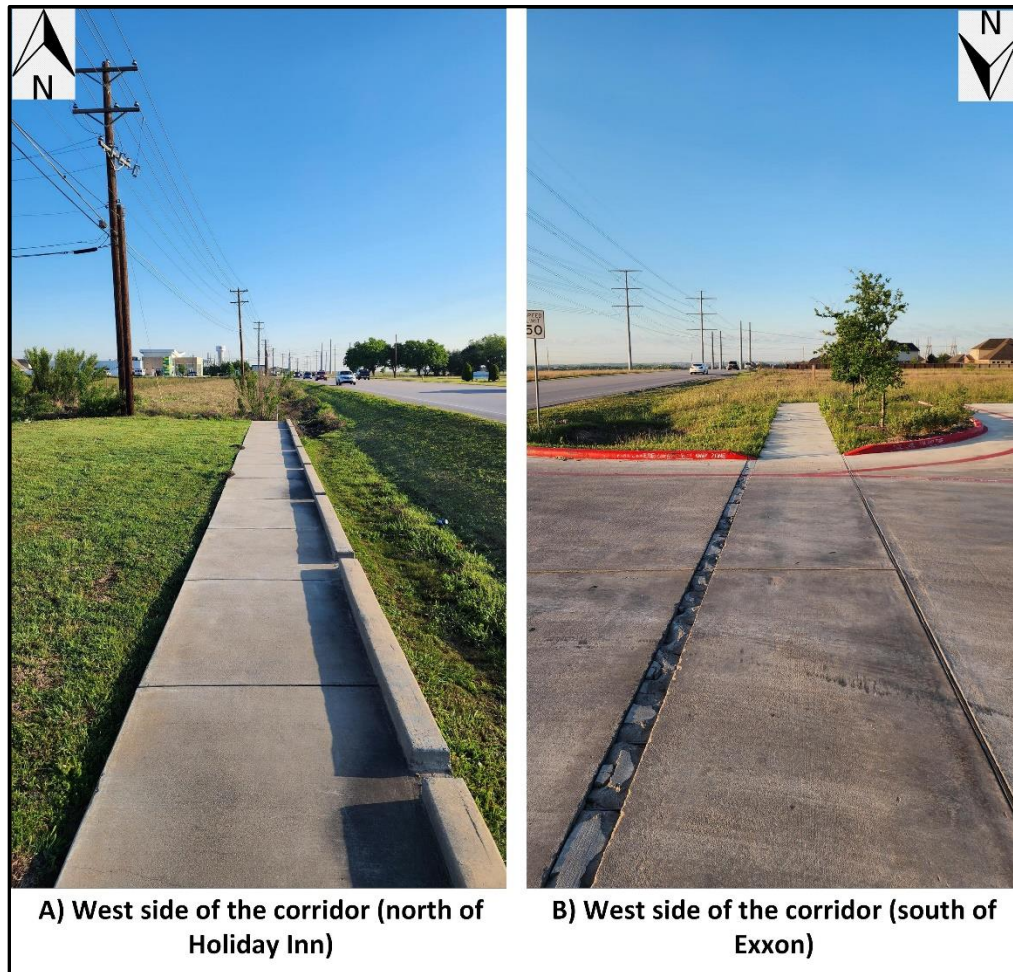


Figure 2. Existing Sidewalks Along Ed Schmidt Boulevard

There is a high density of access points along the southern end of corridor. This high number of access points, combined with traffic volumes observed during the AM and PM peak hours and varying travel speeds, make it challenging to make a left turn to or from Ed Schmidt Boulevard. Furthermore, this area had the highest number of crashes as shown in safety memo that can be found in the **Appendix A**. Southbound volumes are heavier in both AM and PM peak hour, reaching 750 vehicles per hour in the AM peak at the stretch between Lowe's intersection and US 79. This stretch also experiences queueing in the southbound, with the longest queues reaching 450-500 feet. The queue is attributed to the limited storage capacity, high volume and short green time for southbound leg.

2.2 Ed Schmidt Boulevard and US 79 Intersection

At the south end of the study area, the intersection of Ed Schmidt Boulevard with US 79 is signal-controlled. The railroad is located approximately 75 feet south of US 79 and crosses the south leg of intersection. No trains were observed during the AM or PM peak hours. Although no trains were

observed during the site visit in the peak hours, the section of United Pacific rail line through Hutto is a very busy section of the rail with multiple trains traveling across these tracks each day.

The south leg of the intersection consists of four northbound lanes: a 1,000-foot left turn bay, one shared through-left lane, a through lane, and a 750-foot right turn bay. In the southbound direction, there is a 160-foot left turn bay, two through lanes, and a 70-foot right turn bay. The eastbound approach has an 870-foot left turn bay, two through lanes, and an 870-foot right turn bay. In the westbound direction, there is an 820-foot dual left turn bay, two through lanes, and a 600-foot right turn bay.

The road markings are moderately worn. Yellow delineators separate the northbound and southbound lanes. Some delineators were either missing or have been knocked over, as shown in **Figure 3**.



Figure 3. Ed Schmidt Boulevard and US 79 Intersection - North Leg

Pedestrian crossings and push buttons are present across the north and east legs of the intersection however, no sidewalks exist north of this intersection along Ed Schmidt Boulevard. Hutto High School is located just south of this intersection and students were observed walking to/from school. Due to the lack of sidewalks north of the intersection, pedestrians were forced to either walk on the narrow shoulder or on the grass area which is part of the open roadside ditch drainage system. The intersection at US 79 is shown in **Figure 4**.

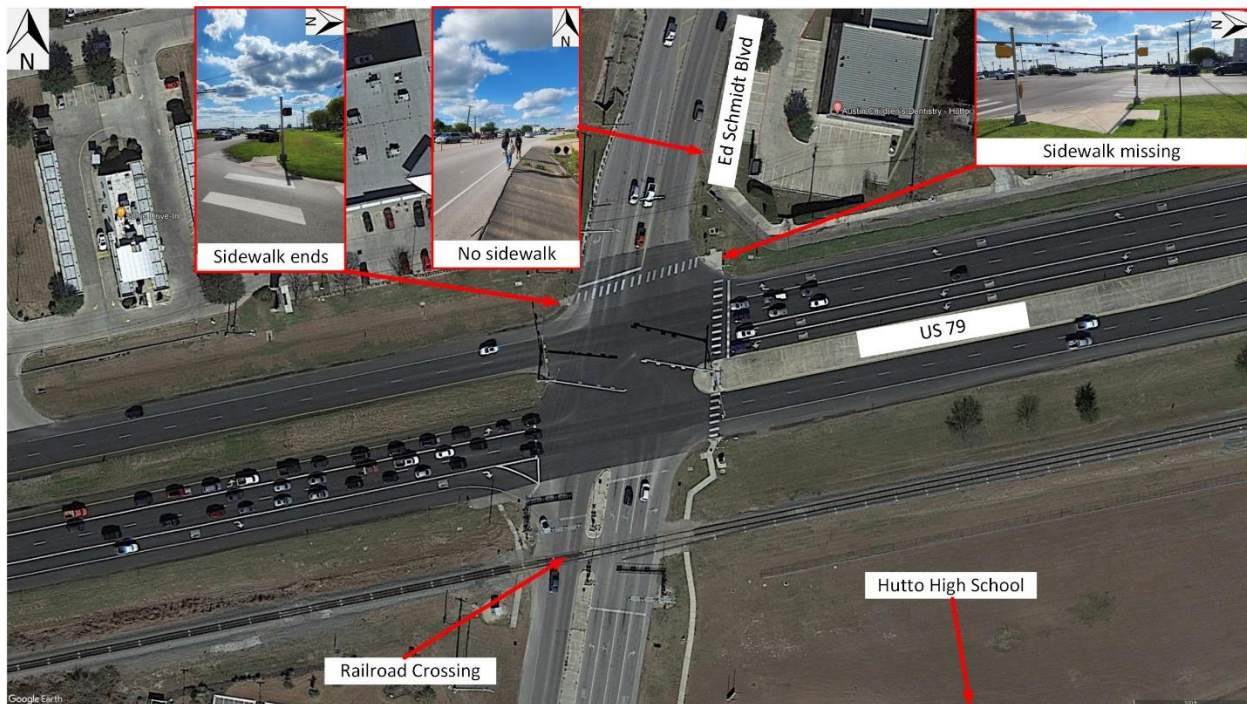


Figure 4. Ed Schmidt Boulevard and US 79 Intersection Pedestrian Facilities

2.3 Ed Schmidt Boulevard and Limmer Loop Intersection

At the north end of the study area, the intersection of Ed Schmidt Boulevard and Limmer Loop is signalized. In the northbound direction, Ed Schmidt Boulevard has a 220-foot left turn bay and a shared through-right lane. The southbound direction has one through lane and 430-foot long right and left turn bays. The eastbound approach has a 60-foot left turn bay and a shared through-right lane. In the westbound direction there is a 160-foot left turn bay and a shared through-right lane.

The westbound left turn volume was heavy during the peak hours, often exceeding the capacity of the existing turn bay. Tire markings along Ed Schmidt Boulevard and Limmer Loop indicate abrupt stops frequently occur at this intersection and support the need for dedicated right turn lanes at the southwest and southeast corner to remove traffic that is slowing to turn from the through flow of traffic as shown in **Figure 5**.

There are no pedestrian crossings or push buttons on this intersection.

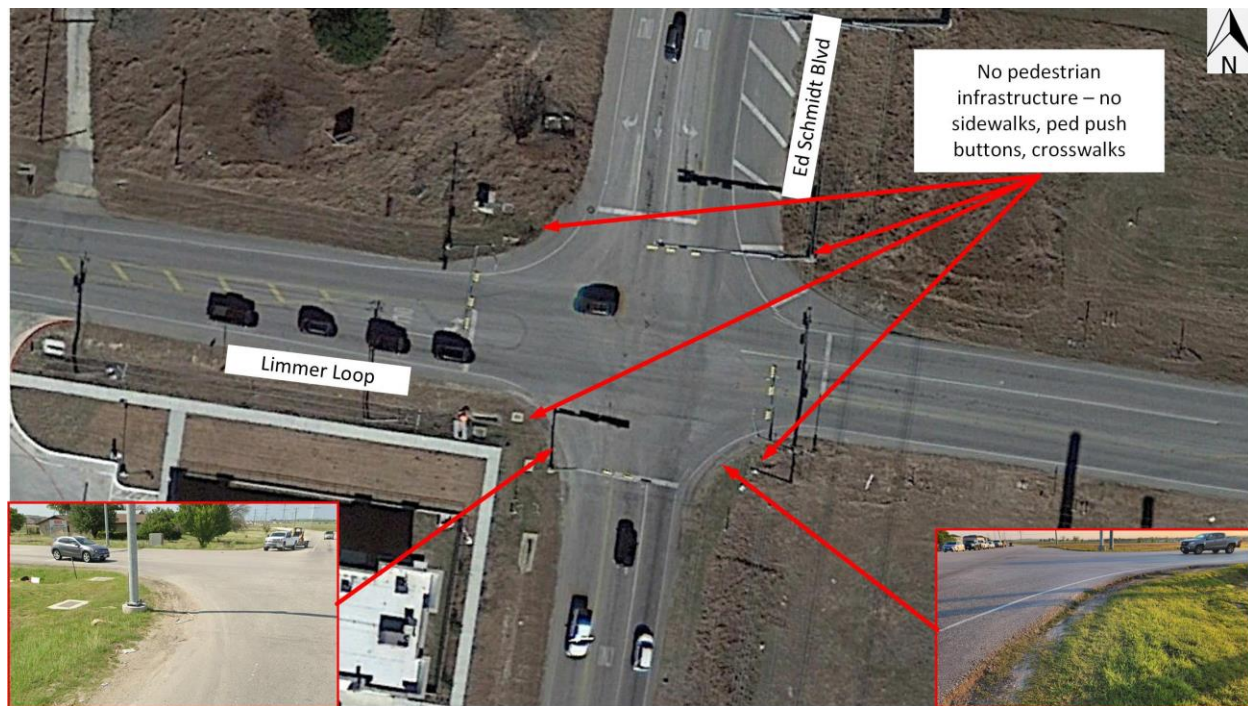


Figure 5. Ed Schmidt and Limmer Loop Intersection Observations

3.0 Traffic Volumes

3.1 Existing Traffic Volumes

GRAM Traffic Inc. was tasked with collecting turning movement counts at two intersections along the Ed Schmidt Boulevard corridor: the Lowe's access and Limmer Loop. The counts were collected on April 13th, 2023. From the data, it was determined the AM peak hour is from 7:00 AM to 8:00 AM. The PM peak hour for Limmer Loop intersection was from 5:00 PM to 6:00 PM and from 5:30 PM to 6:30 PM for Lowe's intersection. The turning movement counts can be found in **Appendix B**. Turning movement data for the intersection of Ed Schmidt Boulevard with US 79 were obtained from a previous Limmer Loop study, dated 2022. Existing turning movement volumes are summarized below in **Figure 6**.

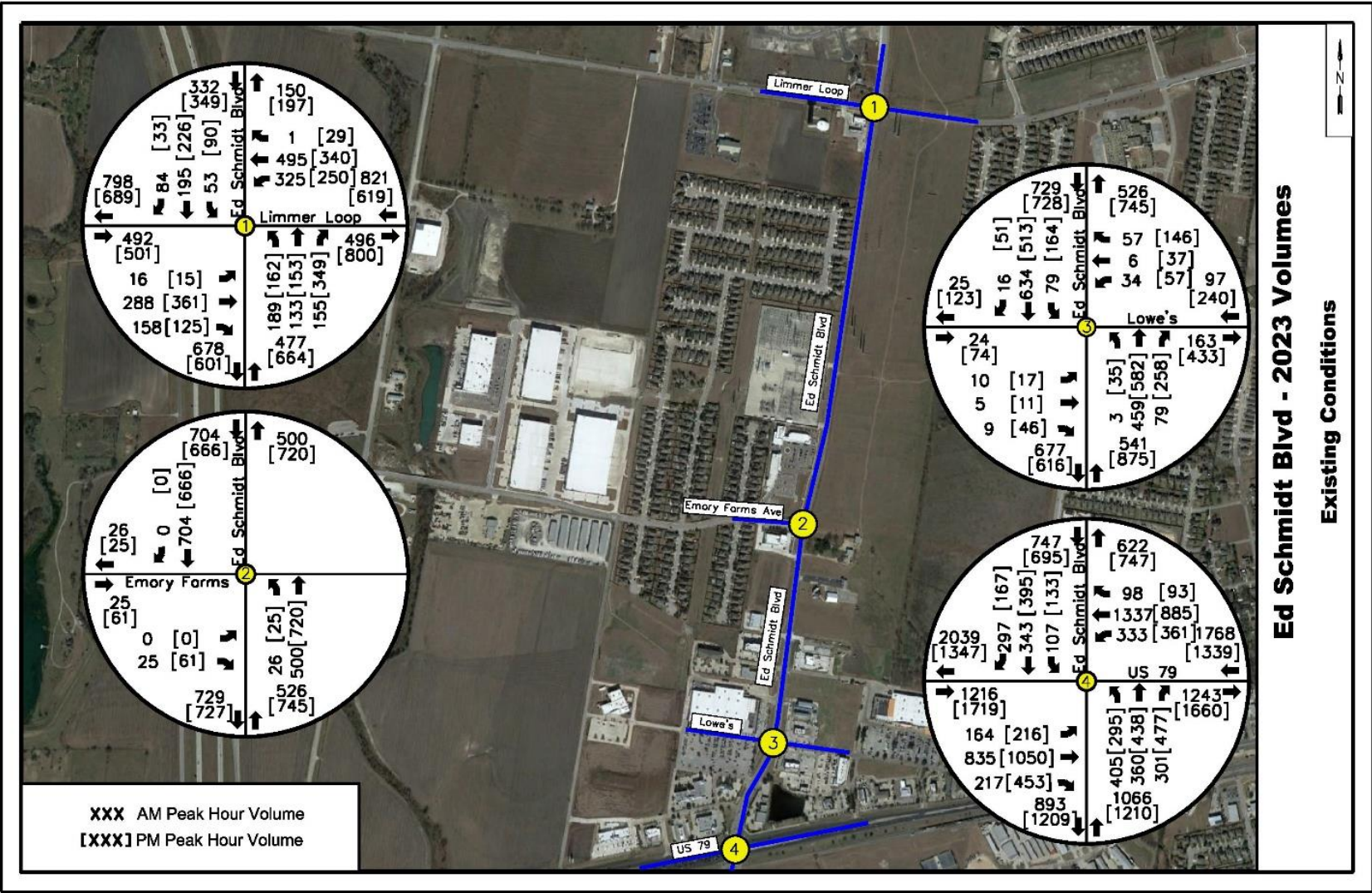


Figure 6. 2023 Existing Traffic Volumes

Intersection at Limmer Loop (#1) has high westbound left turn volumes, 325 vehicles in the AM peak and 250 vehicles in the PM peak. Current single left turn storage lane is insufficient to handle this amount of traffic. The northbound and eastbound right turns have no dedicated lanes. However, the volumes are high especially for the northbound right in the PM peak hour and the intersection would have lower delays and better user experience from adding the dedicated turn lanes. Intersections #2 and #3 have sufficient capacity and appropriate geometry to handle traffic in existing conditions. Intersection #4 at US 79 operates at capacity and future improvements are required to lower the delays. US 79 is a TxDOT facility thus the improvement alternatives should be discussed with TxDOT.

3.2 Future No Build and Future Build Traffic Volumes

To project future volumes, a 4% growth rate was applied to the existing volumes for the first 10 years (2023-2033) and 2% for the next 10 years (2033-2043). The engineer reviewed various traffic impact analysis reports for the City of Hutto area, and it was determined that the 4% growth is applicable for the first 10 years (2023-2033). Once most of the land is developed, the growth will slow down, thus 2% growth is assumed for the next 10 years (2033-2043), which is the minimum growth recommended by TxDOT. Assuming lower traffic growth after 10 years is a common practice in traffic engineering in order not to overestimate traffic growth. The equation that was used to calculate the average growth rate for the 20-year period is:

$$\text{Average Growth Rate (AGR)} = 1 + (0.04 * 10) * (1 + (0.02 * 10))$$

The projected future volumes for the No Build conditions are shown in **Figure 7 and Figure 8**. As the volumes increase there will be a need for improvements along the corridor. The intersection at Limmer Loop (#1) will have to handle considerable traffic volumes. Westbound left, northbound left/right turns, and eastbound right turn are the heaviest turning movements. Once the east leg is built, turning volumes at Intersection at Emory Farms/Live Oak (#2) are expected to increase. This road will connect Exchange Boulevard with Innovation Boulevard. Per engineering judgement and the potential future developments in the area, it is expected that about 20 percent of traffic (mostly east-west volumes) will shift from Lowe's intersection to Emory Farms/Live Oak Boulevard. The intersection at Lowe's (#3) also carries a considerable amount of traffic and will require improvements in the future. The intersection at US 79 (#4) is the most congested one in the study area and upgrades for this intersection should be determined by TxDOT.

In addition to baseline growth, anticipated traffic projections of two known developments, Limmer Loop and Schmidt's Creek, were included in the future traffic scenarios. Schmidt's Creek will include 245 multifamily dwelling units, a 9,000 square-foot fast casual restaurant, a 5,000 square-foot high turnover restaurant, and a 6,500 square-foot shopping center. The Limmer Loop development will consist of a 5,500 square-foot convenience store with 12 fuel pumps, an automatic carwash with one carwash tunnel, a 48,000 square-foot shopping plaza, a 15,000 square-foot office building, and a 5,000 square-foot fast-food restaurant with a drive-through window. **Figure 9** shows the locations of these developments. The Future Build volumes are shown in **Figure 10 and Figure 11**.

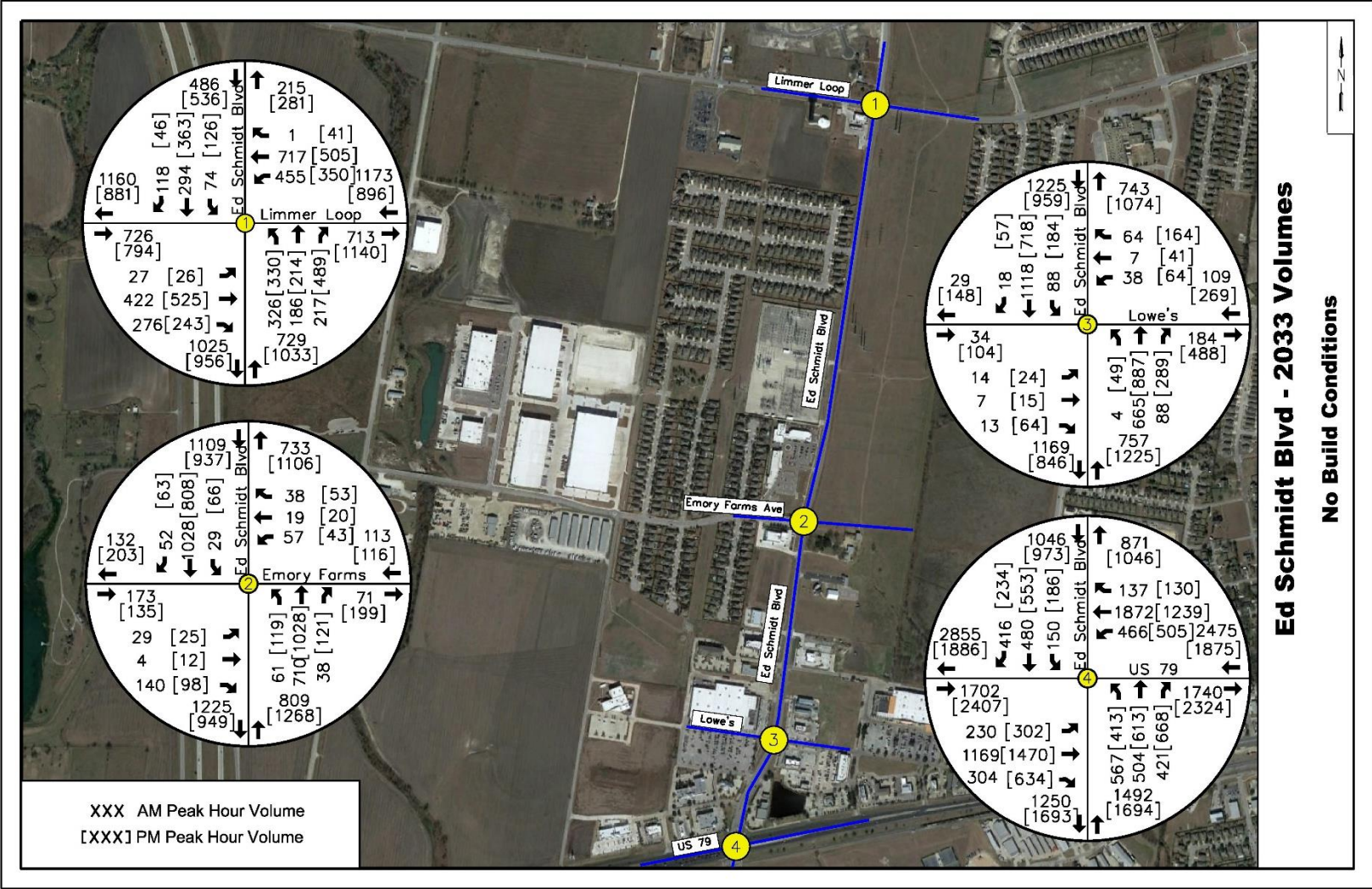


Figure 7. 2033 No Build Conditions Traffic Volumes



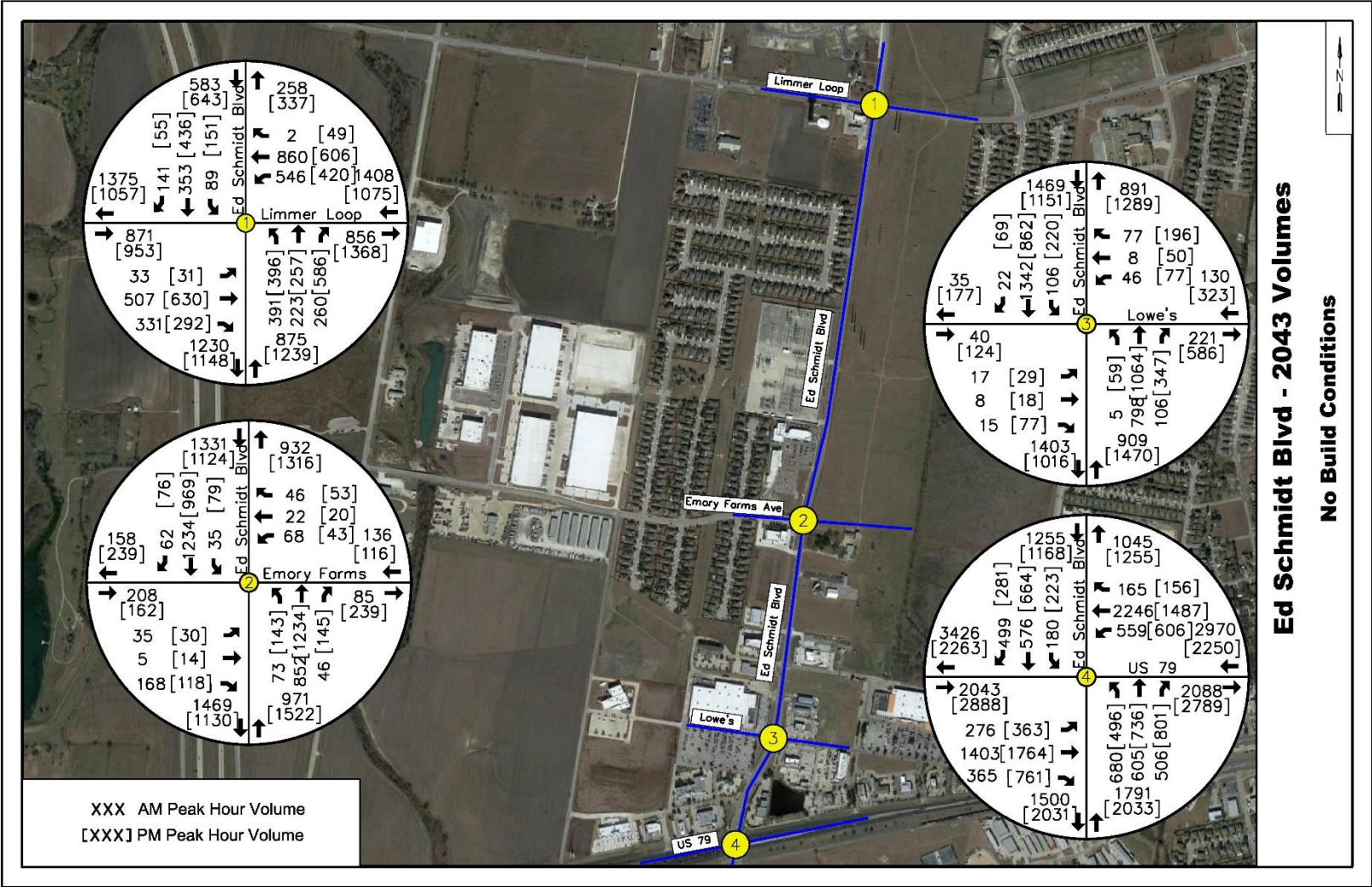


Figure 8. 2043 No Build Conditions Traffic Volumes

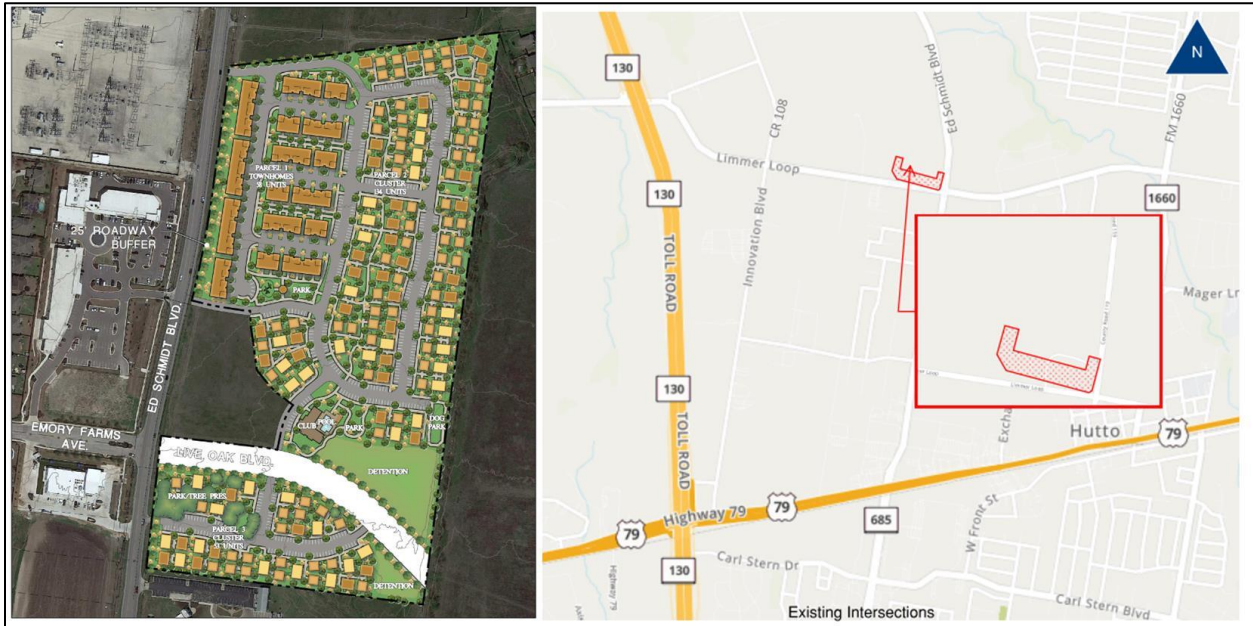


Figure 9. Schmidt's Creek Development (left) and Limmer Loop Development (right)

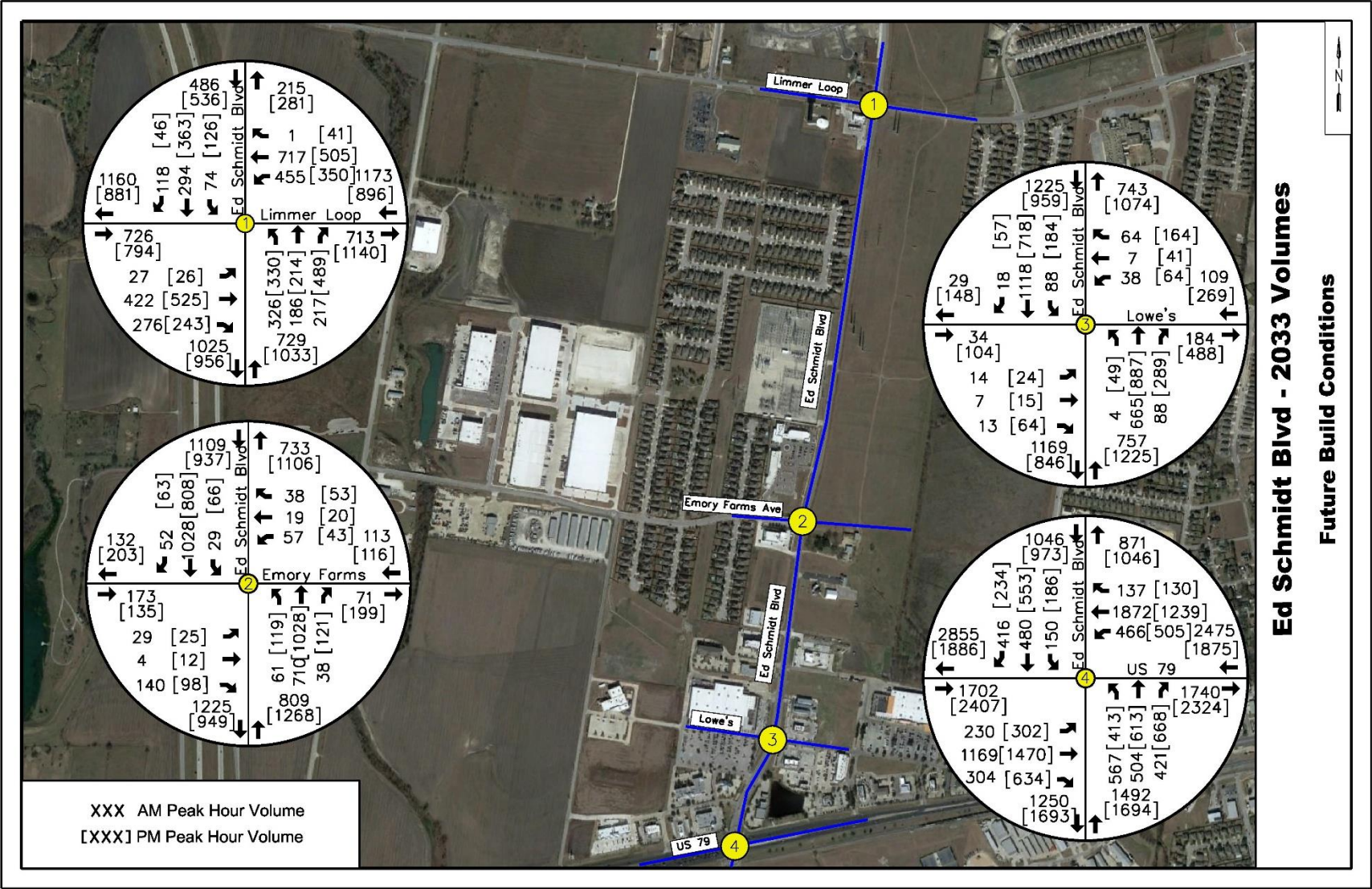


Figure 10. 2033 Build Conditions Traffic Volumes



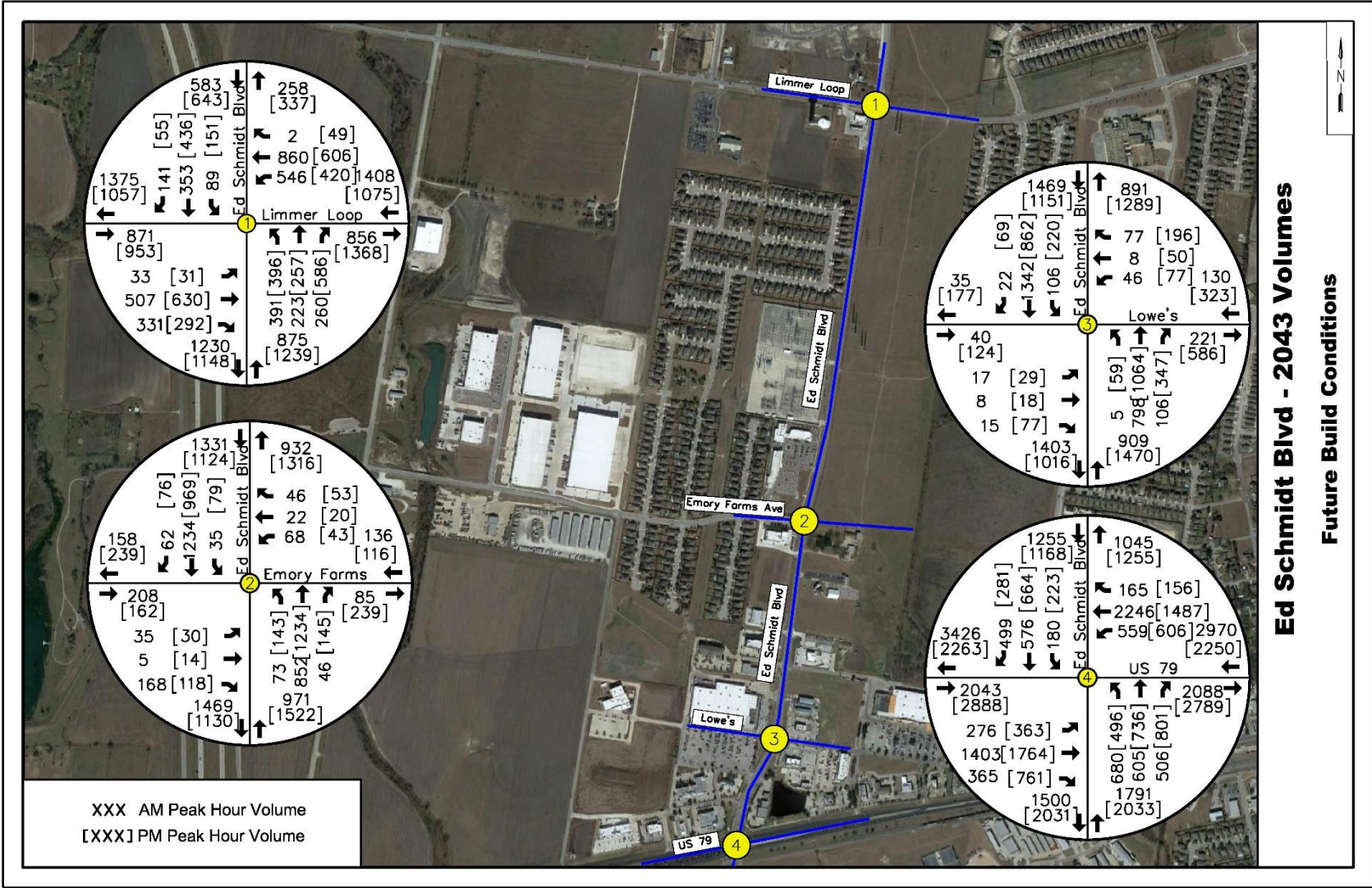


Figure 11. 2043 Build Conditions Traffic Volumes

4.0 Operational Analysis

The key performance measure for the facility analysis was Level of Service (LOS). LOS is a qualitative measure used to depict operational conditions within a traffic stream or at an intersection. LOS is typically designated into six categories. These range from LOS A indicating free-flow, low density, or nearly negligible delay conditions to LOS F where demand exceeds capacity and large queues are experienced. A graphical representation of LOS is presented in **Figure 12**.

For signalized and stop-controlled intersections, the Highway Capacity Manual (HCM) uses control delay for the basis of determining LOS. Control delay at an intersection is the average stopped time per vehicle traveling through the intersection plus the movements at slower speeds due to the vehicles moving up in the queue or slowing down upstream of the approach.

Table 1 and **Table 2** show the delay associated with each Levels of Service for signalized and stop-controlled intersections as stated in the HCM.

The operational analyses were conducted using *Synchro* software according to the HCM methodology. *Synchro* software is a traffic signal timing software that is widely used by engineers and transportation planners to design, model, optimize, simulate, and animate signalized and unsignalized intersections (including roundabouts). *Synchro* software is accepted as an industry standard when it comes to signal optimization and evaluating of highway facilities. HCM methodology is incorporated in *Synchro*.

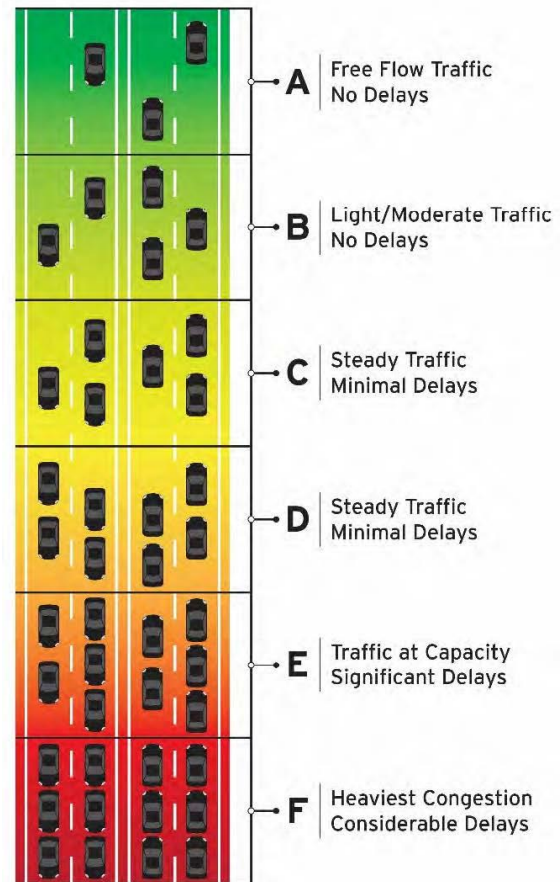


Figure 12. Level of Service (LOS) Categories

Table 1. LOS Thresholds for Signalized Intersections

Level of Service	Description	Signal Controlled Intersection Delay (sec/veh)
A	Most vehicles do not stop	0 to 10
B	Some vehicles stop	>10 to 20
C	Significant number of stops	>20 to 35
D	Many stops, individual cycle failure	>35 to 55
E	Frequent individual cycle failure, at capacity	>55 to 80
F	Arrival rate exceeds capacity	>80 or $v/c > 1.0$

Table 2. LOS for Stop-Controlled Intersections

Level of Service	Stop Controlled Intersection Delay (sec/veh)
A	0 to 10
B	>10 to 15
C	>15 to 25
D	>25 to 35
E	>35 to 50
F	>50 or v/c > 1.0

The LOS and 95th percentile queue results from the operational analyses for Existing, Future No Build conditions, and Future Build conditions are discussed in the following subsections.

4.1 Operational Analysis – 2023 Existing, 2033 No Build, and 2043 No Build Conditions

The LOS and queue *Synchro* operational analyses results for Existing conditions are shown in **Table 3** and **Table 4**, respectively.

In the Existing conditions, the signalized intersection at Limmer Loop operates at LOS E in the PM peak. The eastbound through and right movement fail, along with westbound left and the northbound through and right movements. This intersection carries a considerable amount of traffic in the PM peak. The highest queue length of more than 573 feet was reported for the eastbound through/right movement.

Emory Farms intersection operates at LOS A in both peaks. There are no queues reported.

The two-way stop-controlled intersection at the Lowe's access operates well in the AM peak. However, the traffic increases in the PM peak and the eastbound and the westbound approaches operate at LOS F. This poor level of services is due to insufficient gaps in the north-south traffic stream to allow drivers to turn onto Ed Schmidt Boulevard. The reported queue at the westbound leg in the PM peak is 336 feet long. This intersection needs improvements (e.g., converting to the signalized intersection) in order to provide acceptable LOS.

The signalized intersection of Ed Schmidt Boulevard and US 79 operates at LOS F in both peak hours. This intersection is heavily congested as the US 79 carries 37,000 vehicles per day according to TxDOT Statewide Traffic Count Database System. The queues are high for all approaches. The 95th percentile volumes exceed capacity, thus the queues reported from *Synchro* may be even longer. See **Table 4** for more details.

Table 3. Level of Service for 2023 Existing Conditions

Intersection	Time Period	Control	MOE	EB Movement			WB Movement			NB Movement			SB Movement			Overall
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Limmer Loop	AM	Signal	LOS	B	B	C	E	C	C	C	D	D	C	D	C	D
			Delay	18.4	18.4	33.9	74.0	21.7	21.7	26.6	38.0	38.0	27.4	36.4	31.1	37.0
	PM	Signal	LOS	C	F	F	D	C	C	C	F	F	C	C	C	E
			Delay	24.3	91.0	91.0	43.8	23.8	23.8	24.8	116.6	116.6	33.3	32.5	28.0	64.7
Emory Farms Ave	AM	Stop Controlled	LOS	B		B				A	n/a ¹			n/a ¹	n/a ¹	A
			Delay	14.6		14.6				9.4	n/a ¹			n/a ¹	n/a ¹	0.5
	PM	Stop Controlled	LOS	B		B				A	n/a ¹			n/a ¹	n/a ¹	A
			Delay	15.0		15.0				9.2	n/a ¹			n/a ¹	n/a ¹	0.8
Lowes	AM	TWSC	LOS	D	D	D	D	D	D	A	n/a ¹	n/a ¹	A	n/a ¹	n/a ¹	A
			Delay	28.5	28.5	28.5	25.5	25.5	25.5	9.1	n/a ¹	n/a ¹	9.0	n/a ¹	n/a ¹	2.8
	PM	TWSC	LOS	F	F	F	F	F	F	A	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	F
			Delay	204.7	204.7	204.7	640.2	640.2	640.2	8.9	n/a ¹	n/a ¹	11.4	n/a ¹	n/a ¹	89.2
US 79	AM	Signal	LOS	F	E	D	F	F	D	F	F	D	E	E	E	F
			Delay	131.6	70.5	43.1	1417.5	208.3	38.2	2962.6	124.6	44.8	63.3	71.7	76.3	388.9
	PM	Signal	LOS	F	F	D	F	E	D	F	F	E	E	E	E	F
			Delay	219.3	144.8	46.7	1563.9	61.9	38.4	2454.3	136.9	56.4	65.9	78.9	61.6	325.7

n/a¹ – free movement thus Synchro does not report any delay.

Table 4. 95th percentile queue lengths for 2023 Existing Conditions

Intersection	Time Period	MOE	EB Movement			WB Movement			NB Movement			SB Movement		
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Limmer Loop	AM	95th Percentile Queue Length (ft)	17	403*		370*	473*		144	248		49	188	1
	PM		16	573*		245*	294		125	512*		83*	221	0
Emory Farms Ave	AM		3		0				2	0			0	0
	PM		8		0				2	0			0	0
Lowes	AM		8				26		0	0	0	5	0	0
	PM		84				336		2	0	0	14	0	0
US 79	AM		392*	611*	68	455*	1160*	38	869*	851*	81	179	255	296*
	PM		541*	874*	98	495*	592*	32	740*	896*	380	328*	306*	144

*- 95th percentile volume exceeds capacity; queue may be longer.

Table 5 and **Table 6** show the LOS and queue *Synchro* operational analyses results for 2033 Future No Build conditions.

The Future No Build condition assumes no geometric improvements have been made at the study intersections, except for Live Oak, which is the east leg at Emory Farms Avenue intersection.

In the No Build conditions, the signalized intersection at Limmer Loop operates at LOS F in both AM and PM peak. The eastbound through and right movement fail, along with westbound left and all northbound movements in both peaks. Southbound through and right turn fail in AM peak, whole southbound left fails in the PM peak. This intersection carries a considerable amount of traffic. The longest queues of around 1300 feet and 1100 feet are reported for eastbound through and northbound through movements in the PM peak hour, respectively.

The two-way-stop-controlled intersection at Emory Farms/Live Oak is expected to operate at LOS F in both peaks. Westbound left will operate at LOS F in the AM peak, as well as eastbound and westbound left in the PM peak. Increased east-west traffic between Exchange Boulevard and Innovation Boulevard are contributing to high delays at this stop-controlled intersection.

The two-way stop-controlled intersection at the Lowe's access is expected to operate at LOS A in the AM peak. However, the traffic increases in the PM peak and the stop-controlled eastbound and the westbound approaches operate at LOS E. This poor level of services is due to insufficient gaps in the

north-south traffic stream to allow drivers to turn onto Ed Schmidt Boulevard. The longest queues are reported in the PM peak for eastbound and westbound leg (see **Table 6**).

The signalized intersection of Ed Schmidt Boulevard and US 79 operates at LOS F in both peak hours. This intersection operates at LOS F in existing conditions as well. The city should discuss potential improvements for this intersection with TxDOT.

At US 79, the highest queue length of 1,377 feet was reported for the westbound through movement in the AM peak. Overall, all the approaches experience heavy congestions with multiple queues over 500 feet long.

Table 5. Level of Service for 2033 No Build Conditions

Intersection	Time Period	Control	MOE	EB Movement			WB Movement			NB Movement			SB Movement			Overall
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Limmer Loop	AM	Signal	LOS	C	F	F	F	C	C	F	F	F	E	F	F	F
			Delay	29.6	136.7	136.7	220.1	32.1	32.1	207.1	107.5	107.5	73.1	135.8	135.8	122.9
	PM	Signal	LOS	C	F	F	F	D	D	F	F	F	F	E	D	F
			Delay	32.8	249.7	249.7	223.9	37.1	37.1	139.3	235.1	235.1	162.4	62.5	41.7	168.1
Emory Farms Ave/Live Oak	AM	TWSC	LOS	E	D	E	F	C	C	B	n/a ¹	n/a ¹	A	n/a ¹	n/a ¹	F
			Delay	40.3	44.1	44.1	6541.3	24.1	24.1	11.8	n/a ¹	n/a ¹	9.6	n/a ¹	n/a ¹	173.6
	PM	TWSC	LOS	F	C	D	F	D	D	B	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	F
			Delay	1519.2	34.1	34.1	1931.1	45.5	45.5	11.0	n/a ¹	n/a ¹	12.4	n/a ¹	n/a ¹	53.0
Lowe's	AM	TWSC	LOS	D	D	D	C	C	C	B	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	A
			Delay	29.4	29.4	29.4	22.1	22.1	22.1	11.5	n/a ¹	n/a ¹	10.1	n/a ¹	n/a ¹	2.0
	PM	TWSC	LOS	F	F	F	F	F	F	A	n/a ¹	n/a ¹	C	n/a ¹	n/a ¹	E
			Delay	100*	100*	100*	327.0	327.0	327.0	9.9	n/a ¹	n/a ¹	15.6	n/a ¹	n/a ¹	35.7
US 79	AM	Signal	LOS	F	F	C	F	F	C	F	F	C	F	F	F	F
			Delay	841.1	162.7	32.1	1451.6	496.7	30.5	2718.4	116.9	30.6	611.2	1156.7	1610.6	665.7
	PM	Signal	LOS	F	F	C	F	F	C	F	F	F	F	F	F	F
			Delay	1842.8	262.7	34.9	1625.0	160.6	29.0	2070.7	140.1	86.0	1071.8	1388.2	330.4	558.8

n/a¹ – free movement thus Synchro does not report any delay.

* - significant delay.

Table 6. 95th percentile queue lengths for 2033 No Build Conditions

Intersection	Time Period	MOE	EB Movement			WB Movement			NB Movement			SB Movement		
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Limmer Loop	AM	95th Percentile Queue Length (ft)	25	1072*		791*	788		583*	604*		109*	533*	0
	PM		30	1302*		633*	630		547*	1103*		240*	518*	0
Emory Farms Ave/ Live Oak	AM		15	61		144	15		6	0		2	0	
	PM		66	39		103	34		9	0		6	0	
Lowe's	AM			10			24		0	0		6	0	
	PM			100*			286		3	0.0		25	0	
US 79	AM		534*	755*	67	461*	1377*	41	806*	924*	295	331*	472*	614*
	PM		706*	998*	102	503*	794*	34	644*	994*	733*	414*	541*	266*

*- 95th percentile volume exceeds capacity; queue may be longer.

Table 7 and **Table 8** show the LOS and queue *Synchro* operational analyses results for 2043 Future No Build conditions.

In the No Build conditions, all the intersections operate at LOS F. The expected high traffic growth, along with limited capacity of the facility, contributes to the poor level of service. At every analyzed intersection, the queues are so high that Synchro could not report the exact values for some of the movements, as indicated with asterisks next to the value.

The longest queues of over 1,400 feet at Limmer Loop intersection are recorded for eastbound and the northbound movements in the PM peak. At Emory Farms/Live Oak intersection and Lowe's entrance the

east-west approaches experience heavy queueing. The longest queue of 1,665 feet at US 79 intersection is reported in the AM peak for northbound through movement.

Table 7. Level of Service for 2043 Future No Build Conditions

Intersection	Time Period	Control	MOE	EB Movement			WB Movement			NB Movement			SB Movement			Overall	
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right		
Limmer Loop	AM	Signal	LOS	D	F	F	F	E	E	F	F	F	E	F	E	F	
			Delay	39.4	260.0	260	359.2	63.2	63.2	317.2	153.5	153.5	78.2	154.0	56.1	197.3	
	PM		LOS	C	F	F	F	D	D	F	F	F	F	F	D	F	
			Delay	34.7	343.8	343.8	373.1	46.6	46.6	390.5	406.8	406.8	151.4	93.2	45.5	268.0	
Emory Farms Ave/Live Oak	AM	TWSC	LOS	F	F	F	F	E	E	B	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	F	
			Delay	82.3	141.2	141.2	100*	41.5	41.5	13.9	n/a ¹	n/a ¹	10.4	n/a ¹	n/a ¹	100*	
	PM		LOS	F	F	F	F	F	F	B	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	F	
			Delay	100*	599.8	599.8	100*	244.0	244.0	12.8	n/a ¹	n/a ¹	15.0	n/a ¹	n/a ¹	100*	
Lowes	AM	TWSC	LOS	F	F	F	F	F	F	B	n/a ¹	n/a ¹	B	n/a ¹	n/a ¹	F	
			Delay	828.5	828.5	828.5	1118.0	1118.0	1118.0	13.1	n/a ¹	n/a ¹	11.2	n/a ¹	n/a ¹	71.7	
	PM		LOS	F	F	F	F	F	F	B	n/a ¹	n/a ¹	C	n/a ¹	n/a ¹	F	
			Delay	100**	100**	100**	100**	100**	100**	10.8	n/a ¹	n/a ¹	23.4	n/a ¹	n/a ¹	100**	
US 79	AM	Signal	LOS	F	F	C	F	F	C	F	F	D	F	F	F	F	
			Delay	1683.5	215.2	30.7	1818.9	584.7	28.6	3072.5	253.8	38.1	802.3	1461.6	2204.3	842.9	
	PM		LOS	F	F	D	F	F	C	F	F	F	F	F	F	F	F
			Delay	2285.8	394.7	37.1	2023.8	270.1	29.4	2166.3	280.1	180.0	1357.7	1743.3	648.8	720.0	

n/a¹ – free movement thus Synchro does not report any delay.

** - significant delay.

Table 8. 95th percentile queue lengths for 2043 Future No Build Conditions

Intersection	Time Period	MOE	EB Movement			WB Movement			NB Movement			SB Movement		
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Limmer Loop	AM	95th Percentile Queue Length (ft)	31.0	1405*		1009*	1201*		738*	766*		139*	635*	21
	PM		35	1615*		808*	868*		773*	1446*		279*	684*	28
Emory Farms Ave/ Live Oak	AM		28	138.0		100*	30.0		9	0		3	0	
	PM		100*	198		100*	90		10	0		15	0	
Lowe's	AM		84			235			0	0		9	0	
	PM		100*			100*			5	0.0		50	0	
US 79	AM		658*	927*	70	548*	1665*	50	893*	1253*	418*	393*	562*	767*
	PM		834*	1257*	122	597*	1013*	55	667*	1353*	972*	488*	645*	244*

*- 95th percentile volume exceeds capacity; queue may be longer.

4.2 Operational Analysis – 2033 Future Build Conditions

For the 2033 Future Build conditions, the LOS results are reported in **Table 9**, and queue analysis is shown in **Table 10**. Future Build conditions assume all the proposed improvements that were discussed in the next chapter.

Limmer Loop is expected to operate at LOS C in both peaks, Emory Farms at LOS B in both peaks, and Lowe's intersection at LOS A in the AM peak and LOS B in the PM peak. All intersections are anticipated to have minimal queueing. The intersection at US 79 continues to operate at LOS F as no improvements were considered.

Table 9. Level of Service for 2033 Future Build Conditions

Intersection	Time Period	Control	MOE	EB Movement			WB Movement			NB Movement			SB Movement			Overall
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Limmer Loop	AM	Signal	LOS	B	C	C	B	B	B	C	C	C	C	C	C	C
			Delay	18.1	22.3	26.3	15.3	18.9	18.9	21.5	23.1	28.5	22.9	28.4	28.9	22.0
			Delay	24.0	31.1	33.2	22.9	25.3	25.3	18.4	20.5	77.9	19.1	23.2	21.2	32.9
Emory Farms/Live Oak	AM	Signal	LOS	B	B	B	C	B	B	A	A	A	A	B	B	B
			Delay	17.3	18.7	18.7	20.5	16.4	16.4	7.5	8.2	8.2	6.3	11.0	11.0	10.8
			Delay	19.1	19.8	19.8	20.8	18.5	18.5	6.2	10.2	10.2	7.2	9.3	9.3	10.6
Lowes	AM	Signal	LOS	B	B	B	B	B	B	A	A	A	A	A	A	A
			Delay	14.2	14.2	14.2	14.3	15.8	15.8	6.4	8.4	8.4	5.3	7.7	7.1	8.3
			Delay	21.4	21.4	21.4	21.2	25.5	25.5	6.0	11.7	11.8	10.3	7.7	7.7	12.0
US 79	AM	Signal	LOS	F	F	C	F	F	C	F	C	C	F	F	F	F
			Delay	1341.7	130.8	30.7	1452.6	443.8	29.0	1979.8	31.9	30.6	611.2	1156.7	1610.6	584.8
			Delay	1297.1	285.7	38.5	1777.7	401.3	28.1	39.8	38.2	147.7	560.5	988.3	254.6	395.1

Table 10. 95th percentile queue lengths for 2033 Future Build Conditions

Intersection	Time Period	MOE	EB Movement			WB Movement			NB Movement			SB Movement		
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Limmer Loop	AM	95th Percentile Queue Length (ft)	21	148	57	109	236		100	75	55	58	119	23
	PM		24	200	55	96	192		102	85	327*	90	143	0
Emory Farms Ave/Live Oak	AM		34	47		57	38		18	139		11	236	
	PM		32	47		47	44		27	237		17	174	
Lowes	AM		25			36	15		3	131		20	220	
	PM		65			108	52		19	369		104	164	
US 79	AM		558*	731*	65	461*	1352*	40	632*	366	295	331*	472*	614*
	PM		727*	1090*	107	540*	792*	40	398	365	849*	411*	562*	289*

*- 95th percentile volume exceeds capacity; queue may be longer.

Figure 13 shows existing (A) and modeled (B) Limmer Loop intersection geometry. With the proposed geometry, the intersection at Limmer Loop operates at LOS C both peaks. Since the queues from the No Build analysis were too long, to the point that Synchro could not report the exact queue lengths, the proposed geometry that was tested in Synchro was modeled according to engineering judgment.



Figure 13. Limmer Loop - Existing and Proposed Modeled Geometry

The details on the exact lengths of the turn lanes and the number of through lanes are provided in the next chapter.

Figure 14 shows existing (A) and proposed (B) Emory Farms/Live Oak intersection improvements. With the proposed geometry and conversion to a signalized intersection it is expected to operate at LOS B in both AM and PM peak hour. The Live Oak leg of the intersection is planned for construction within the next 12 months.

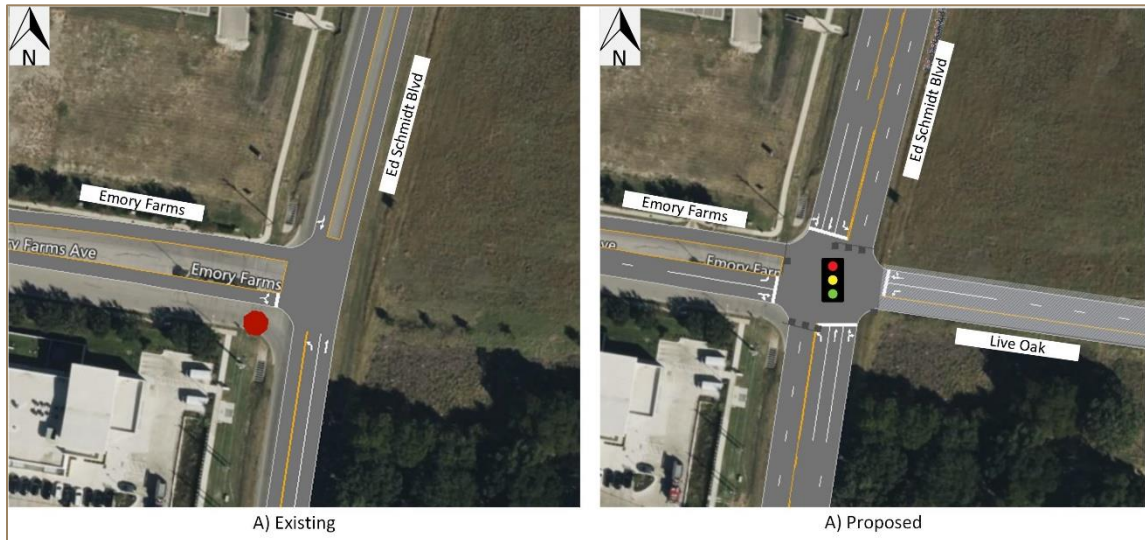


Figure 14. Emory Farms/Live Oak - Existing and Proposed Modeled Geometry

The intersection at Ed Schmidt Boulevard and the Lowe's access was modeled as a signalized intersection (see **Figure 15**) as the delays for the east-west movement in No Build Conditions were high. The details on the exact lengths of the turn lanes and the number of through lanes is provided in the next chapter. With these improvements, the intersection operates at LOS A in the AM peak and LOS B in the PM peak.

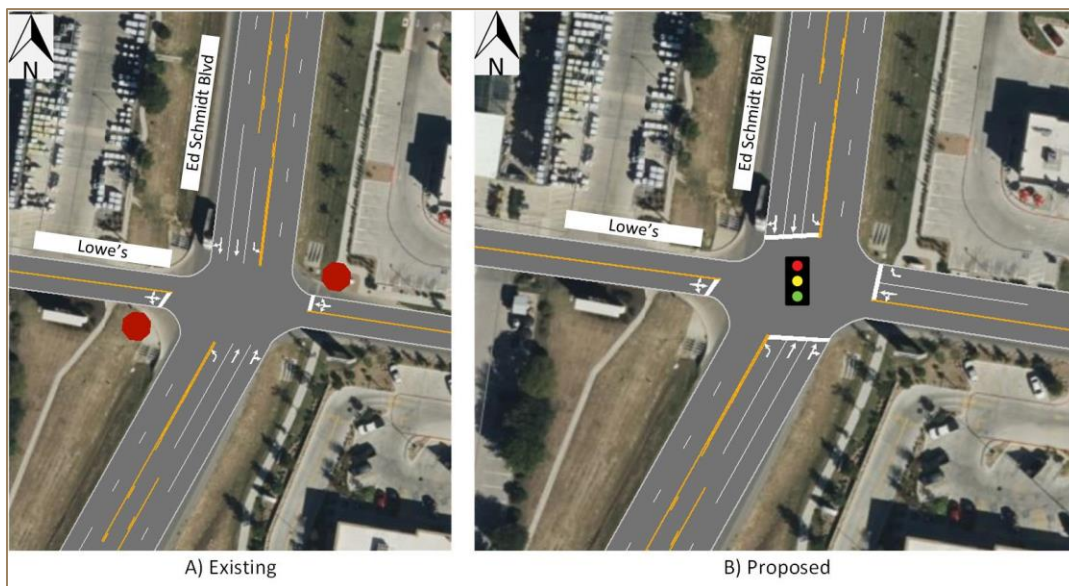


Figure 15. Lowe's - Existing and Proposed Modeled Geometry

The delay and queue issues persist at US 79, as no improvements were modeled at that intersection.

4.3 Operational Analysis – 2043 Future Build Conditions

In the 2043 Future Build conditions, future projected volumes in addition to traffic associated with the Limmer Loop development and the Schmidt's Creek development were used for the analysis. The LOS results are reported in **Table 11**. Modeled intersection geometry is the same as for the 2033 Build Conditions.

The intersection at Limmer Loop operates at LOS C in the AM peak and LOS D in the PM peak. The proposed geometry that was tested in *Synchro* was modeled according to engineering judgment. The details on the exact lengths of the turn lanes and the number of through lanes are provided in the next chapter.

Note that several roundabout options were evaluated for this intersection, including a two-lane roundabout. With high projected traffic volumes for this intersection, specifically for the left turn movements (e.g., westbound left and northbound left in both AM and PM peak), it was determined that a roundabout was not a feasible intersection improvement.

The proposed signalized intersection at Emory Farms /Live Oak is expected to operate at LOS B. The east leg of the intersection, planned for construction within the next 12 months, is included in the analysis.

The intersection at Ed Schmidt Boulevard and the Lowe's access was modeled as a signalized intersection as the delays for the east-west movement the No Build Conditions were high. The details on the exact lengths of the turn lanes and the number of through lanes is provided in the next chapter.

The intersection of Ed Schmidt Boulevard and US 79 operates at LOS F. No improvements were introduced at this intersection as the delays are very high and adding the lanes in *Synchro* would not improve level of service. Any improvements at this intersection should be performed by TxDOT as US 79 is TxDOT facility. See **Appendix C** for detailed Synchro output reports.

Table 11. Level of Service for 2043 Future Build Conditions

Intersection	Time Period	Control	MOE	EB Movement			WB Movement			NB Movement			SB Movement			Overall
				Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
Limmer Loop	AM	Signal	LOS	C	C	D	B	C	C	C	C	D	C	C	C	C
			Delay	20.2	25.5	37.1	18.3	21.7	21.6	28.1	26.5	37.3	24.3	30.2	30.4	26.3
	PM		LOS	C	C	D	C	C	C	C	C	F	C	C	C	D
			Delay	23.9	33.7	39.3	24.5	25.4	25.4	22.4	23.3	187.9	24.4	28.5	25.4	51.9
Emory Farms/Live Oak	AM	Signal	LOS	C	C	C	C	B	B	B	B	B	A	C	C	B
			Delay	24.3	31.5	31.5	21.1	18.0	18.0	13.8	13.0	13.0	9.8	23.0	23.0	19.6
	PM		LOS	C	C	C	C	C	C	A	B	B	A	A	A	B
			Delay	23.3	24.3	24.3	26.0	22.1	22.1	7.4	12.2	12.4	9.3	10.0	10.0	12.3
Lowes	AM	Signal	LOS	B	B	B	B	C	C	A	A	A	A	A	A	A
			Delay	17.6	17.6	17.6	17.8	20.2	20.2	6.4	8.2	8.2	5.1	7.9	7.9	8.6
	PM		LOS	C	C	C	C	C	C	A	B	B	B	A	A	B
			Delay	26.9	26.9	26.9	26.5	32.4	32.4	6.7	16.2	17.3	17.3	8.7	8.7	16.0
US 79	AM	Signal	LOS	F	F	C	F	F	C	F	D	D	F	F	F	F
			Delay	1636.3	232.7	31.4	1815.3	612.9	29.3	2443.8	37.2	36.5	802.3	1461.6	2204.3	767.7
	PM		LOS	F	F	D	F	F	C	D	D	F	F	F	F	F
			Delay	1600.4	399.7	40.4	2208.4	208.6	29.0	45.7	41.9	251.8	738.4	1262.3	494.0	528.5

n/a¹ – free movement thus Synchro does not report any delay.

Table 12 shows queue lengths from Synchro output reports. The longest queue at Limmer Loop intersection is about 500 feet for northbound right movement in the PM peak hour. Emory Farms/Live Oak shows the longest queue of 440 feet for the southbound through/right movements in the AM peak. The intersection at Lowe's has the longest queue of about 500 feet for the northbound through/right movement in the PM peak.

The longest queues recorded at US 79 intersection were 1,678 feet, and 1,359 feet. The queues were reported for westbound through movement in the AM peak, and eastbound through movement in the PM peak, respectively.

Table 12. 95th percentile queue lengths for 2043 Future Build Conditions

Intersection	Time Period	MOE	EB Movement			WB Movement			NB Movement			SB Movement		
			Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Limmer Loop	AM	95th Percentile Queue Length (ft)	25	195	142	135	301		130	94	61	73	149	5
	PM		27	253	110	115	234		126	103	503*	111	183	0
Emory Farms Ave/Live Oak	AM		42	55		55	37		31	230		18	440	
	PM		37	52		48	44		32	313		21	241	
Lowe's	AM		33			49		28	3	176		25	311	
	PM		77			130		57	21	513*		159*	209	
US 79	AM		644*	939*	72	547*	1678*	51	749*	467	409	393*	562*	767*
	PM		878*	1359*	162	648*	1043*	53	610*	609*	1098*	528*	675*	386*

*- 95th percentile volume exceeds capacity; queue may be longer.

5.0 Summary of Modeled Conditions

Overall, Ed Schmidt Boulevard is modeled as a four-lane facility with two lanes each direction, with the center lane that has dedicated left turn bays for every driveway from Limmer Loop to US 79. Limmer Loop is modeled as a four-lane facility as well.

The intersection at Ed Schmidt Boulevard and Lowe's access is modeled as follows:

- Northbound/Southbound direction
 - o Left turn bays
 - o One through lane and one shared through/right lane
- Eastbound direction
 - o Shared left/through/right lane
- Westbound direction
 - o Shared through/left lane
 - o Right turn only lane

The intersection at Ed Schmidt Boulevard and Emory Farms/Live Oak is modeled as follows:

- Northbound/Southbound direction
 - o Left turn bays
 - o One through lane and one shared through/right lane
- Eastbound direction
 - o Left turn bay
 - o Shared through/right lane
- Westbound direction
 - o Left turn bay
 - o Through/right lane

The intersection at Ed Schmidt Boulevard and Limmer Loop was modeled as follows:

- Northbound direction
 - o 200' dual left turn lane bay
 - o 200' single lane right turn bay
 - o Two through lanes
- Southbound direction
 - o 150' single left turn bay
 - o 150' single right turn bay
 - o Two through lanes
- Westbound direction
 - o 350' dual left turn bay
 - o One through lane and one shared through/right lane
- Eastbound direction
 - o 120' single left turn bay
 - o 120' single right turn bay
 - o Two through lanes

Not all modeled geometry discussed here will be required to be constructed. Some elements are already in place. See following chapters for recommended improvements and corresponding cost estimates.

6.0 Corridor Deficiencies and Concerns

In this report, Garver analyzed the traffic growth impacts on Ed Schmidt Boulevard. The engineer also performed field observations noting deficiencies along the corridor for all corridor users (e.g., drivers, bikers, pedestrians) and developed a list of recommended improvements to improve safety.

6.1 Noted Corridor Issues

1. No sidewalk on the east side and non-continuous sidewalk on the west side of the Ed Schmidt Boulevard (see **Figure 2** and **Figure 4**).
2. Inadequate pedestrian facilities surrounding the Ed Schmidt Boulevard and US 79 intersection to accommodate students (see **Figure 4**).
3. Eastbound and northbound right turn bays currently operate at LOS F and negatively affect corresponding through movements.
4. No midblock pedestrian crossing at Ed Schmidt Boulevard from US 79 to Limmer Loop
5. High number of access points along the southern part of the study corridor.
6. Limited sight distance for left turning vehicles (e.g., northbound, and southbound vehicles in center turn lane attempting to make a left turn at the same intersection), especially at the southern part of the corridor, which is the busiest section.
7. Varying speed limits posted along corridor, ranging between 35 mph at the south end of the corridor and 50 mph at the north end of the study corridor.

7.0 Recommended Improvements

The following immediate (short-term) improvements are recommended for the study area. The improvements are listed in order of importance.

1. Construct sidewalk on east side of the corridor to provide students safe access to/from Hutto High School. The sidewalk should be constructed from US 79 to Limmer Loop. This will increase pedestrian safety, and potentially increase pedestrian traffic.

2. Connect sidewalk on the northwest side of the corridor, providing a continuous sidewalk from US 79 to Limmer Loop. This will increase pedestrian safety, and potentially increase pedestrian traffic.
3. Add an eastbound right turn bay and a northbound right turn bay at Limmer Loop to improve LOS.
4. Consider adding midblock pedestrian crossing north of Lowe's (between Hampton Inn and Chipotle). The analyzed section of Ed Schmidt Boulevard is more than a mile long and there are no marked pedestrian crossings between Limmer Loop and US 79.
5. Consider converting center turn lane to a raised median with shrubs and other vegetation. For example, a raised median could be installed from US 79 to the Lowe's access drive, allowing only right in/right out maneuvers and preventing eastbound left and westbound left turn movements from the driveways. It will eliminate the sight distance issue at the southern part of the corridor, which is the busiest section. This recommended improvement is also supported in the traffic safety memorandum for this corridor that was performed in 2022. It showed high number of angle crashes that are related to left turn maneuvers. See **Appendix A** for 2022 traffic safety memorandum. Raised median is expected to reduce number of crashes at this section.
6. Perform a speed study to verify posted speed limits along the corridor (e.g., 35mph). A speed study will be needed to re-post speed limits. This measure can reduce number of crashes.

The following long-term improvements should be considered within the next 5 to 10 years. The prioritization of these improvements should be determined by the city, as the traffic projections depend on multiple factors that sometimes can underestimate or overestimate the actual volumes.

7. Widen Ed Schmidt Boulevard to two lanes in each direction through the entire corridor.
8. Widen Limmer Loop to two through lanes in each direction.
9. Add a second westbound left turn lane at Limmer Loop.
10. Add a second northbound left turn lane at Limmer Loop.
11. Convert a two-way stop-controlled intersection at the Lowe's access to signalized intersection.
12. Convert a two-way stop-controlled intersection at the Emory Farms/Live Oak to signalized intersection.

See **Appendix D** for conceptual layouts for recommended improvements.

Table 13 shows the cost estimates for specific short-term and long-term improvements. The number in parenthesis under the 'Location' column corresponds to the numbered improvements on the exhibits that can be found in **Appendix D**.

Note that the construction of east leg of the intersection at Ed Schmidt Boulevard and Emory Farms is not included in the cost estimate. The construction of east leg (Live Oak Avenue) will be part of Schmidt's Creek development, thus part of separate TIA recommendations.

Table 13. Cost Estimates for Short Term Improvements

Location	Improvement	Quantity	Unit	Unit Cost	Total Cost
Immediate (Short-Term) Improvements					
Ed Schmidt Blvd (1,2)	Construct 6' sidewalk	7,050	square yard	\$124	\$874,200
Ed Schmidt Blvd and Limmer Loop (3)	Add 220' eastbound right turn lane (includes 100' taper)	220	LF	\$1,275	\$280,500
Ed Schmidt Blvd and Limmer Loop (3)	Add 300' northbound right turn lane (includes 100' taper)	300	LF	\$1,275	\$382,500
Ed Schmidt Blvd at Emory Farms Ave (4)	Midblock Pedestrian crossing striping with raised median and trees/shrubs	1	each	\$50,000	\$50,000
Ed Schmidt Blvd between US 79 and Lowe's Entrance (5)	Convert center turn lane to a median with vegetation	~700	LF	\$325	\$227,500
Ed Schmidt Blvd (6)	Perform a speed study	1	n/a	\$15,000	\$15,000
Long Term Improvements					
Ed Schmidt Blvd (7)	Widen to two lanes in each direction	1.8	lane-mile	\$2,000,000	\$3,600,000
Limmer Loop (8)	Widen to two lanes in each direction	1.5	lane-mile	\$2,000,000	\$3,000,000
Ed Schmidt Blvd and Limmer Loop (9)	Add 450' westbound left turn lane (includes 100' taper)	450	LF	\$1,275	\$573,750
Ed Schmidt Blvd and Limmer Loop (10)	Add 300' northbound left turn lane (includes 100' taper)	300	LF	\$1,275	\$382,500
Ed Schmidt Blvd and Lowe's Entrance (11)	Convert 2-way stop to a signal (includes culvert extension)	1	each	\$630,000	\$630,000
Ed Schmidt Blvd and Emory Farms/Live Oak (12)	Convert 2-way stop to a signal	1	each	\$350,000	\$350,000
Total					\$10,365,950
Design - Engineering/Survey/Geotech (20%)					\$2,073,190
Contingency (20%)					\$2,073,190
Grand Total					\$14,512,330



APPENDIX A

Ed Schmidt Blvd Traffic Safety Memo

City of Hutto
Williamson County
Texas
21T47010

October 2022

Prepared by:
Garver



A handwritten signature in blue ink, appearing to read "Dusan Jolovic", written over the bottom right portion of the professional engineer seal.



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1.0 Introduction

This traffic memo was developed to achieve the following goals:

- Identify safety issues along the Ed Schmidt corridor by summarizing observations and available crash data
- Identify and recommend potential countermeasures to address current and long-term needs

1.1 Background and Overall Observations

The study area covers Ed Schmidt Blvd from Hwy 79 on the south to Limmer Loop on the north. The corridor is 1.2 miles long. Starting at Hwy 79 and heading north, the corridor has two lanes in each direction with a two-way left-turn lane (TWLTL) in the middle that continues for approximately 1,500 feet, at roughly the location of the Hampton Inn and Suites (Driveway C). The remaining part of the corridor maintains the TWLTL, but only has a single lane in each direction. A map of the study area as viewed in Google Maps is shown in **Figure 1**.

There are multiple businesses and buildings along the Ed Schmidt corridor that act as traffic generators. On the southeast edge of the corridor there is a building that contains a BancorpSouth, Austin Children's Dentistry, and Baylor Scott & White medical clinic. North of this area, Ed Schmidt Blvd intersects with 'Driveway A' (see **Figure 1** for details) that allows access on the east to many restaurants including Chick-Fil-A, Dairy Queen, Stockade Kitchen, Chili's, and McDonald's. In addition to restaurant access, there is also a Home Depot on the intersecting driveway along with an auto care shop, bakery, Great Clips, and a Wells Fargo Bank. Further north of this intersection, WhiteWater Express Car Wash is accessible off Ed Schmidt Blvd via 'Driveway B'. Just north of the car wash is currently an empty lot that will soon be developed into a restaurant named Mighty Fine. Just north of this lot is a back entrance ('Driveway C') to the Home Depot, and just north of that is a Chipotle Mexican Grill as well as a Taco Casa, accessible via 'Driveway D'. North of these restaurants is an undeveloped field, followed by Tim and Marisa Texas (TMTE) Archery, Shooting, and Outdoor Adventures. North of TMTE is a private residence on the northern limits of the corridor.



Figure 1. Ed Schmidt Blvd Study Area

Starting at the northwest corner, at the intersection of Emory Farms Ave and Ed Schmidt Blvd is Amazing Explorers Academy, which is a daycare service. Emory Farms Ave provides access to a large subdivision as well as several large companies that do shipping, contracting, and manufacturing. The planned extension of Live Oak Street will traverse the private residence and connect to Ed Schmidt at the existing Emory Farms Ave. Once completed, Live Oak will connect from Ed Schmidt to FM 1660. The development plans for the Live Oak extension are currently in the City of Hutto for review. Farther south there is a small strip of businesses including Advanced Dental Care, Farmers Insurance, Lone Star Chiropractic, and Perfect Styles Salon, accessible via 'Driveway D'. Sharing an entrance to this strip is also a Hampton Inn & Suites which connects to a Holiday Inn Express & Suites as well as the county commissioner's office and a dental care location. Immediately south of this area is a large Lowe's Home Improvement store with three access points (e.g., 'Driveways A, B, and F'). South of the Lowes is a 'Driveway G' that provides access to a credit union, several medical clinics, a Walgreens, nail salon, and a T-Mobile store.

1.2 Traffic Observations

At the intersection of Hwy 79 and Ed Schmidt Blvd, there are four northbound lanes: one left turn, one right turn, one through-left, and a through lane. The northbound signal has four signal heads. North of the intersection there are two 12-foot lanes with a speed limit of 35 MPH. The road markings are moderately worn. Yellow delineators separate the northbound and southbound directions. Some delineators are

either missing or have been knocked over, as shown in **Figure 2**. Since the delineators are made of flexible material, some drivers might drive over them disobeying traffic rules and regulations.



Figure 2. Traffic delineators on Ed Schmidt Blvd (source: Google Street View)

Once the southbound-only turning lane ends, there is a TWLTL for the rest of the corridor. 'Driveway G' which is about 75 yards from the intersection provides access to the bank and medical clinic area, shortly followed by a secondary entrance ('Driveway F') to this area. The 'Driveway G' has a right turn only sign, and the 'Driveway F' has no traffic control signs. About a hundred yards north of the "Driveway F" is a 'Driveway A' that provides access to Chick-Fil-A and Dairy Queen. On the east side of this driveway there is a stop sign with extremely faded STOP pavement markings, and a sidewalk with no crosswalk. About 90 yards north there is a 'Driveway B' to the car wash, where there are no traffic control signs for entering traffic. The pavement markings are also weathered at this location. About 70 yards to the north there is the back entrance ('Driveway C') to Home Depot and Chipotle where there are directional arrows in and out of the driveway, a faded stop pavement marking, and a stop sign. Immediately after this intersection, the two northbound through lanes drop to one for the rest of the corridor while still maintaining the TWLTL. Where the merge ends approximately 75 yards later to the north, there is a newly constructed entrance to Taco Casa ('Driveway D'). The exit is right turn only with a right turn only sign and a stop sign. The entrance to TMTE Archery is approximately 135 yards north and has no traffic control signs. Fifty yards north of this driveway is the driveway to the private residence.

At the intersection of Ed Schmidt Blvd and Emory Farms Ave, the stop line on the eastbound approach is faded but there is a stop sign. While the eastbound approach lane is 26 feet wide, which is enough to have both a left turn and a right turn lane striped, there are no pavement markings to differentiate them.

Approximately 65 yards south of the intersection is the driveway to the daycare, which has no traffic control signs. 'Driveway D' is 200 yards south and provides access to the small strip of businesses mentioned previously. There are no traffic control signs at this location. Just after this point, the southbound direction widens to two lanes. 'Driveway C' is 65 yards south, providing access for Hampton Inn, Holiday Inn, dentist, and county commissioner's office. There are no traffic control signs at this location. About 65 yards south, there is a 'Driveway B' which provides back access to Lowes, which has STOP pavement markings that are faded. About 100 yards south is a 'Driveway A' which is a primary access point to Lowes. There are no traffic control signs at this access point, but there is a stop line marked on the pavement. Another 100 yards south is the third entrance/exit to Lowes ('Driveway F'), and it has a stop sign. About 30 yards south of that driveway a section of guardrail on the shoulder starts. This continues for 35 yards until 'Driveway G' for Walgreens, and then resumes for the remaining 90 yards to the intersection of Hwy 79. The intersection has four southbound lanes: a dedicated left and a right turn lane, and two through lanes.

According to observations, this corridor needs pavement marking improvements. Most markings are faded, some to the point where they are hard to see. Based on the street view of this corridor and observing that some plots of the land are still vacant there are several intersections which may warrant a signal in the future, but additional traffic study would be needed to determine that. Access management is another concern. There are many entry and exit points that are close to the major intersection with Hwy 79, this is a potential safety concern that could be addressed with better access management.

2.0 Crash Data Summary

A summary and analysis of collision history along Ed Schmidt Blvd was conducted by compiling crash data from TxDOT's CRIS Database for five years from 2017 to 2021. There were 76 total crashes along Ed Schmidt Blvd during this period. The number of crashes increased each year even though Annual Average Daily Traffic (AADT) has decreased in the last two years. A breakdown of the number of crashes that occurred each year is shown in **Table 1**. A map depicting the location of each crash is shown in **Figure 3**. The map reveals that most of the crashes occurred between the primary driveway to Lowes and Hwy 79. This stretch has multiple driveways that are closely spaced and are close to the major intersection with Hwy 79. Also, this stretch of the road stores queued vehicles at the southbound approach. Looking at Google Street View, the southbound queueing is noticeable. The combination of queues, closely spaced driveways, and the presence of the major intersection increases potential for crashes significantly.

Table 1. Total number of crashes per year and corresponding AADT

Crash Year	Number of Crashes	AADT
2017	6	24,819
2018	10	19,545
2019	15	25,720
2020	19	21,708
2021	26	18,273

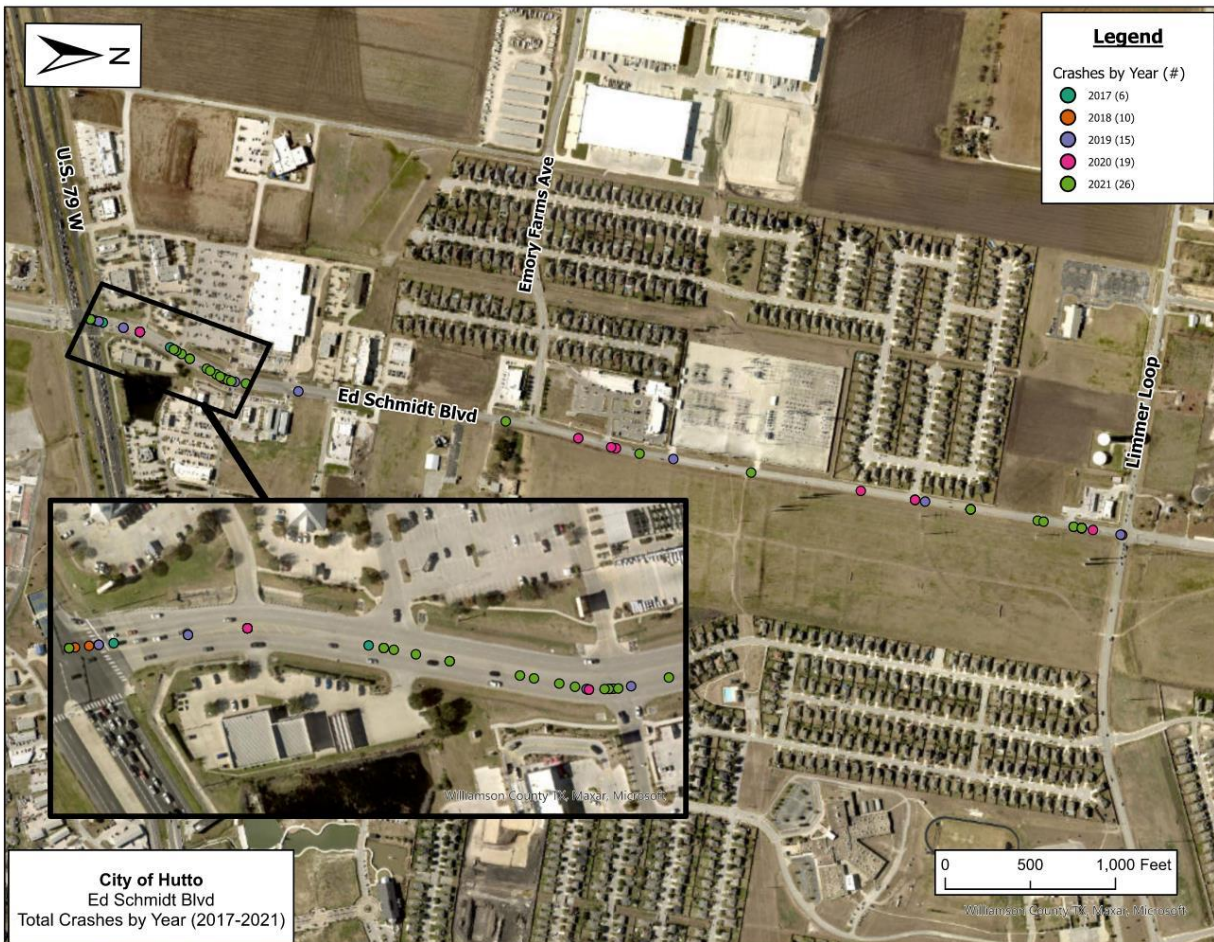


Figure 3. Total number of crashes from 2017 to 2021

Table 2 shows the summary of crashes by severity. The crashes with no injuries had the highest occurrence rate – 54 in total, followed by ten possible injury crashes, six non-incapacitating injury crashes, and six suspected serious injury crashes. There were no fatal crashes. A high number of non-injury crashes indicates that the crashes happen at low speeds under congested conditions.

Table 2. Total number of crashes by severity

Year	Not Injured	Possible Injury	Non-Incapacitating	Suspected Serious Injury	Fatal	Total
2017	2	3	0	1	0	6
2018	9	0	0	1	0	10
2019	8	1	3	3	0	15
2020	15	1	2	1	0	19
2021	20	5	1	0	0	26
Sum	54	10	6	6	0	76

Table 3 shows the summary of crashes by manner. Angle crashes and sideswipes in the same direction are the most common crashes, with 28 angle and 24 sideswipes occurring during the five-year period. Angle crashes almost doubled from 2020 to 2021. There were also 20 rear-end crashes and four single-vehicle crashes.

Table 3. Total number of crashes by manner

Year	Single Vehicle Crash	Angle Crash	Rear-End	Sideswipe Same Direction Crash	Total
2017	0	3	2	1	6
2018	0	5	1	4	10
2019	0	3	5	7	15
2020	1	6	7	5	19
2021	3	11	5	7	26
Sum	4	28	20	24	76

3.0 Recommendations

Based on the aerial and Street View observations, the following is recommended:

- Remove flexible delineators
- Add raised median at Ed Schmidt Blvd between Driveway A and Hwy 79. That will make Driveway F and Driveway G right-in-right-out only. **Figure 4** shows the sketch of a raised median.

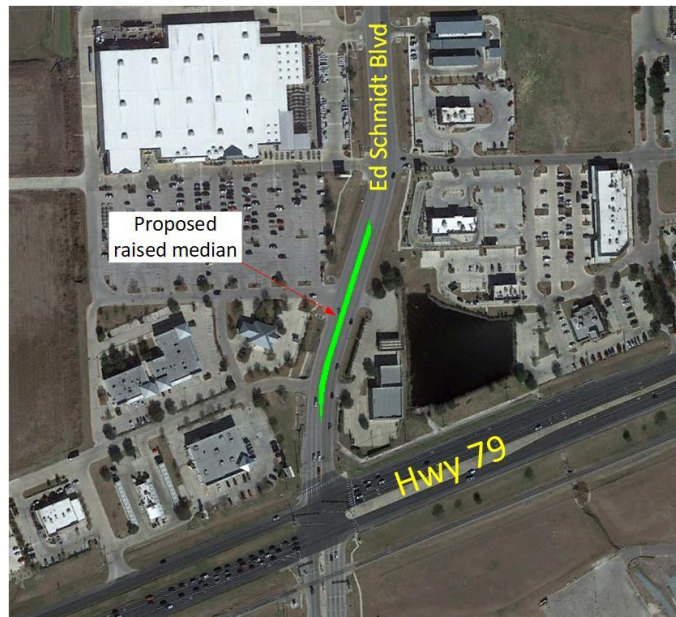


Figure 4. Recommended raised median

- As most of the pavement markings are faded, restriping of pavement markings to enhance visibility is recommended.
- Collect field traffic data at the intersection of Ed Schmidt Blvd and Driveway A (Lowe's driveway) and perform traffic signal warrant analysis to check if the traffic signal is warranted.
- Enhance enforcement on the corridor to lower the potential of disobeying traffic signals and traffic rules – especially enforcing prohibited left turn maneuvers. Left turns contribute to angle crashes. According to historical data, angle crashes are the most common ones on this stretch of Ed Schmidt Blvd.

APPENDIX B

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 1

Groups Printed- Vehicles - Heavy Vehicles

Start Time	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					Int. Total
	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	
00:00	0	0	0	0	0	4	6	2	0	12	0	3	8	0	11	0	4	2	0	6	29
00:15	0	1	0	0	1	2	2	0	0	4	1	3	10	0	14	0	3	1	0	4	23
00:30	0	2	0	0	2	2	4	0	0	6	0	2	4	0	6	0	0	0	0	0	14
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Total	0	3	0	0	3	9	13	2	0	24	1	11	27	0	39	0	11	5	0	16	82
01:00	1	0	0	0	1	4	2	1	0	7	0	3	8	0	11	1	2	1	0	4	23
01:15	0	2	0	0	2	0	2	1	0	3	0	3	4	0	7	0	3	1	0	4	16
01:30	0	0	0	0	0	1	3	0	0	4	0	2	2	0	4	1	3	0	0	4	12
01:45	1	2	0	0	3	3	2	1	0	6	0	2	6	0	8	0	0	0	0	0	17
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02:15	0	0	0	0	0	2	3	0	0	5	0	2	2	0	4	0	6	0	0	6	15
02:30	0	1	0	0	1	1	1	0	0	2	0	0	8	0	8	0	2	0	0	2	13
02:45	0	2	0	0	2	2	3	0	0	5	0	6	1	0	7	0	1	1	0	2	16
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03:15	0	1	0	0	1	7	1	0	0	8	1	5	1	0	7	0	0	0	0	0	16
03:30	0	3	0	0	3	4	8	0	0	12	0	4	0	0	4	0	1	0	0	1	20
03:45	0	3	0	0	3	6	7	0	0	13	3	3	0	0	6	0	1	1	0	2	24
Total	0	8	0	0	8	18	20	1	0	39	6	14	4	0	24	0	2	1	0	3	74
04:00	1	2	0	0	3	10	3	2	0	15	0	3	0	0	3	0	1	2	0	3	24
04:15	0	2	0	0	2	8	6	2	0	16	1	3	3	0	7	0	2	0	0	2	27
04:30	2	4	0	0	6	15	4	3	0	22	2	7	1	0	10	0	3	3	0	6	44
04:45	1	5	0	0	6	19	12	2	0	33	2	10	0	0	12	0	5	3	0	8	59
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05:45	6	12	3	0	21	42	27	5	0	74	5	14	10	0	29	1	16	6	0	23	147
Total	9	41	10	0	60	158	94	15	0	267	15	36	25	0	76	1	34	17	0	52	455
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06:15	8	33	5	0	46	93	53	8	0	154	9	18	11	0	38	2	44	13	0	59	297
06:30	11	33	4	0	48	105	94	0	0	199	21	31	27	0	79	3	51	32	0	86	412
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07:30	12	32	15	0	59	63	139	0	0	202	33	33	36	0	102	6	98	57	0	161	524
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08:30	12	51	4	0	67	75	85	7	0	167	40	37	39	0	116	4	50	40	0	94	444
08:45	8	48	9	0	65	64	77	12	0	153	29	28	53	0	110	3	33	26	0	62	390
Total	53	216	25	0	294	297	384	32	0	713	146	143	185	0	474	17	196	131	0	344	1825
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09:15	4	25	7	0	36	52	44	5	0	101	25	30	41	0	96	8	55	50	0	113	346

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 2

Groups Printed- Vehicles - Heavy Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
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Total	18	133	21	0	172	249	213	29	0	491	93	108	151	0	352	17	199	150	0	366	1381
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10:15	12	34	4	0	50	43	40	2	0	85	26	26	45	0	97	2	26	31	0	59	291
10:30	5	35	5	0	45	47	34	6	0	87	26	27	29	0	82	7	46	27	0	80	294
10:45	9	38	3	0	50	52	45	11	0	108	26	38	46	0	110	2	31	28	0	61	329
Total	38	132	15	0	185	191	177	27	0	395	108	135	162	0	405	15	133	104	0	252	1237
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11:15	9	50	2	0	61	51	41	7	0	99	33	31	47	0	111	4	32	31	0	67	338
11:30	7	42	3	0	52	39	37	7	0	83	36	41	41	0	118	1	42	17	0	60	313
11:45	9	39	8	0	56	48	42	5	0	95	35	38	39	0	112	2	40	37	0	79	342
Total	41	162	19	0	222	190	159	26	0	375	136	148	173	0	457	8	143	123	0	274	1328
12:00	8	41	3	0	52	58	37	5	0	100	23	41	55	0	119	6	45	53	0	104	375
12:15	11	66	5	0	82	49	40	6	0	95	50	36	55	0	141	8	37	30	0	75	393
12:30	8	43	3	0	54	48	46	5	0	99	41	40	56	0	137	8	47	35	0	90	380
12:45	5	30	4	0	39	44	43	6	0	93	37	34	64	0	135	6	40	35	0	81	348
Total	32	180	15	0	227	199	166	22	0	387	151	151	230	0	532	28	169	153	0	350	1496
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13:15	13	39	5	0	57	41	46	7	0	94	28	37	54	0	119	3	44	35	0	82	352
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14:45	14	44	5	0	63	59	60	7	0	126	48	35	50	0	133	4	59	25	0	88	410
Total	40	151	21	0	212	197	234	22	0	453	167	143	228	0	538	15	208	121	0	344	1547
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15:15	12	41	11	0	64	62	57	7	0	126	26	45	66	0	137	1	72	50	0	123	450
15:30	17	43	5	0	65	49	46	11	0	106	31	40	53	0	124	4	82	45	0	131	426
15:45	12	43	7	0	62	57	83	9	0	149	34	33	78	0	145	9	87	32	0	128	484
Total	58	157	27	0	242	223	239	44	0	506	130	163	268	0	561	20	307	166	0	493	1802
16:00	6	43	6	0	55	59	66	9	0	134	40	33	62	0	135	9	92	30	0	131	455
16:15	22	42	7	0	71	52	64	9	0	125	41	32	94	0	167	6	87	38	0	131	494
16:30	17	49	9	0	75	63	78	11	0	152	44	46	73	0	163	6	85	23	0	114	504
16:45	16	37	9	0	62	45	77	13	0	135	35	40	66	0	141	13	99	33	0	145	483
Total	61	171	31	0	263	219	285	42	0	546	160	151	295	0	606	34	363	124	0	521	1936
17:00	24	71	7	0	102	51	91	10	0	152	50	44	100	0	194	5	92	31	0	128	576
17:15	21	55	8	0	84	71	98	11	0	180	40	30	96	0	166	1	93	25	0	119	549
17:30	32	50	7	0	89	65	75	5	0	145	32	48	89	0	169	5	85	30	0	120	523
17:45	16	56	12	0	84	65	86	4	0	155	40	34	83	0	157	4	94	39	0	137	533
Total	93	232	34	0	359	252	350	30	0	632	162	156	368	0	686	15	364	125	0	504	2181
18:00	16	45	11	0	72	71	71	9	0	151	47	32	92	0	171	7	100	35	0	142	536
18:15	20	58	4	0	82	66	87	6	0	159	59	52	79	0	190	3	77	36	0	116	547
18:30	11	48	6	0	65	63	89	11	0	163	43	39	91	0	173	4	79	30	0	113	514
18:45	5	54	6	0	65	50	58	8	0	116	37	49	80	0	166	4	68	27	0	99	446
Total	52	205	27	0	284	250	305	34	0	589	186	172	342	0	700	18	324	128	0	470	2043
19:00	7	35	8	0	50	54	42	10	0	106	40	48	92	0	180	6	46	37	0	89	425

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 3

Groups Printed- Vehicles - Heavy Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
19:15	4	37	6	0	47	43	52	9	0	104	29	35	89	0	153	1	42	28	0	71	375
19:30	7	33	3	0	43	57	42	10	0	109	33	41	89	0	163	6	48	15	0	69	384
19:45	9	26	2	0	37	53	48	9	0	110	37	37	80	0	154	5	50	27	0	82	383
Total	27	131	19	0	177	207	184	38	0	429	139	161	350	0	650	18	186	107	0	311	1567
20:00	6	23	1	0	30	46	41	10	0	97	26	39	90	0	155	3	31	29	0	63	345
20:15	4	28	0	0	32	41	27	5	0	73	29	26	69	0	124	6	37	33	0	76	305
20:30	9	26	3	0	38	40	24	1	0	65	27	24	72	0	123	6	46	22	0	74	300
20:45	5	14	1	0	20	35	28	2	0	65	18	22	59	0	99	3	40	19	0	62	246
Total	24	91	5	0	120	162	120	18	0	300	100	111	290	0	501	18	154	103	0	275	1196
21:00	6	14	0	0	20	31	12	3	0	46	15	33	39	0	87	2	38	18	0	58	211
21:15	1	14	2	0	17	20	20	1	0	41	16	18	40	0	74	6	28	22	0	56	188
21:30	3	20	1	0	24	32	26	2	0	60	21	14	44	0	79	6	23	13	0	42	205
21:45	5	20	4	0	29	24	10	1	0	35	17	16	41	0	74	2	34	7	0	43	181
Total	15	68	7	0	90	107	68	7	0	182	69	81	164	0	314	16	123	60	0	199	785
22:00	2	11	3	0	16	20	5	4	0	29	9	14	52	0	75	1	15	5	0	21	141
22:15	2	7	0	0	9	14	15	3	0	32	6	17	34	0	57	3	17	2	0	22	120
22:30	2	3	0	0	5	8	8	3	0	19	6	14	28	0	48	3	13	5	0	21	93
22:45	1	6	0	0	7	14	4	1	0	19	1	8	20	0	29	4	9	2	0	15	70
Total	7	27	3	0	37	56	32	11	0	99	22	53	134	0	209	11	54	14	0	79	424
23:00	1	6	0	0	7	5	6	1	0	12	4	8	24	0	36	1	7	6	0	14	69
23:15	0	1	1	0	2	8	3	0	0	11	2	7	19	0	28	0	12	1	0	13	54
23:30	0	4	0	0	4	6	1	2	0	9	3	3	14	0	20	1	3	2	0	6	39
23:45	2	1	0	0	3	4	8	0	0	12	1	4	11	0	16	0	2	0	0	2	33
Total	3	12	1	0	16	23	18	3	0	44	10	22	68	0	100	2	24	9	0	35	195
Grand Total	717	2632	413	0	3762	3949	4075	464	0	8488	2227	2407	3994	0	8628	305	3701	2046	0	6052	26930
Apprch %	19.1	70	11	0		46.5	48	5.5	0		25.8	27.9	46.3	0		5	61.2	33.8	0		
Total %	2.7	9.8	1.5	0	14	14.7	15.1	1.7	0	31.5	8.3	8.9	14.8	0	32	1.1	13.7	7.6	0	22.5	
Vehicles	640	2493	396	0	3529	3865	3877	411	0	8153	2183	2305	3876	0	8364	290	3554	2000	0	5844	25890
% Vehicles	89.3	94.7	95.9	0	93.8	97.9	95.1	88.6	0	96.1	98	95.8	97	0	96.9	95.1	96	97.8	0	96.6	96.1
Heavy Vehicles	77	139	17	0	233	84	198	53	0	335	44	102	118	0	264	15	147	46	0	208	1040
% Heavy Vehicles	10.7	5.3	4.1	0	6.2	2.1	4.9	11.4	0	3.9	2	4.2	3	0	3.1	4.9	4	2.2	0	3.4	3.9

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	17	59	19	0	95	105	125	0	0	230	58	28	41	0	127	7	74	41	0	122	574
07:15	10	54	33	0	97	79	122	0	0	201	68	34	43	0	145	5	70	38	0	113	556
07:30	12	32	15	0	59	63	139	0	0	202	33	33	36	0	102	6	98	57	0	161	524
07:45	19	66	20	0	105	83	128	1	0	212	38	42	48	0	128	0	67	29	0	96	541
Total Volume	58	211	87	0	356	330	514	1	0	845	197	137	168	0	502	18	309	165	0	492	2195
% App. Total	16.3	59.3	24.4	0		39.1	60.8	0.1	0		39.2	27.3	33.5	0		3.7	62.8	33.5	0		
PHF	.763	.799	.659	.000	.848	.786	.924	.250	.000	.918	.724	.815	.875	.000	.866	.643	.788	.724	.000	.764	.956
Vehicles	53	195	84	0	332	325	495	1	0	821	189	133	155	0	477	16	288	158	0	462	2092
% Vehicles																					
Heavy Vehicles	5	16	3	0	24	5	19	0	0	24	8	4	13	0	25	2	21	7	0	30	103
% Heavy Vehicles	8.6	7.6	3.4	0	6.7	1.5	3.7	0	0	2.8	4.1	2.9	7.7	0	5.0	11.1	6.8	4.2	0	6.1	4.7

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

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	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	17:00					06:45					18:15					15:30				
+0 mins.	24	71	7	0	102	104	105	3	0	212	59	52	79	0	190	4	82	45	0	131
+15 mins.	21	55	8	0	84	105	125	0	0	230	43	39	91	0	173	9	87	32	0	128
+30 mins.	32	50	7	0	89	79	122	0	0	201	37	49	80	0	166	9	92	30	0	131
+45 mins.	16	56	12	0	84	63	139	0	0	202	40	48	92	0	180	6	87	38	0	131
Total Volume	93	232	34	0	359	351	491	3	0	845	179	188	342	0	709	28	348	145	0	521
% App. Total	25.9	64.6	9.5	0		41.5	58.1	0.4	0		25.2	26.5	48.2	0		5.4	66.8	27.8	0	
PHF	.727	.817	.708	.000	.880	.836	.883	.250	.000	.918	.758	.904	.929	.000	.933	.778	.946	.806	.000	.994
Vehicles	90	226	33	0	349	345	477	3	0	825	179	185	342	0	706	28	337	142	0	507
% Vehicles																				
Heavy Vehicles	3	6	1	0	10	6	14	0	0	20	0	3	0	0	3	0	11	3	0	14
% Heavy Vehicles	3.2	2.6	2.9	0	2.8	1.7	2.9	0	0	2.4	0	1.6	0	0	0.4	0	3.2	2.1	0	2.7

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

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Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	0	0	0	0	4	6	2	0	12	0	3	8	0	11	0	4	2	0	6	29
00:15	0	0	0	0	0	2	2	0	0	4	1	3	10	0	14	0	3	1	0	4	22
00:30	0	1	0	0	1	2	4	0	0	6	0	2	4	0	6	0	0	0	0	0	13
00:45	0	0	0	0	0	1	1	0	0	2	0	3	5	0	8	0	4	2	0	6	16
Total	0	1	0	0	1	9	13	2	0	24	1	11	27	0	39	0	11	5	0	16	80
01:00	1	0	0	0	1	4	2	1	0	7	0	2	8	0	10	1	2	1	0	4	22
01:15	0	1	0	0	1	0	2	1	0	3	0	3	4	0	7	0	3	1	0	4	15
01:30	0	0	0	0	0	1	3	0	0	4	0	2	2	0	4	0	3	0	0	3	11
01:45	1	2	0	0	3	3	2	1	0	6	0	1	6	0	7	0	0	0	0	0	16
Total	2	3	0	0	5	8	9	3	0	20	0	8	20	0	28	1	8	2	0	11	64
02:00	0	0	0	0	0	2	0	0	0	2	1	2	3	0	6	0	0	1	0	1	9
02:15	0	0	0	0	0	2	3	0	0	5	0	2	2	0	4	0	6	0	0	6	15
02:30	0	1	0	0	1	1	1	0	0	2	0	0	8	0	8	0	2	0	0	2	13
02:45	0	2	0	0	2	2	2	0	0	4	0	6	1	0	7	0	1	1	0	2	15
Total	0	3	0	0	3	7	6	0	0	13	1	10	14	0	25	0	9	2	0	11	52
03:00	0	1	0	0	1	1	4	1	0	6	2	2	3	0	7	0	0	0	0	0	14
03:15	0	1	0	0	1	7	1	0	0	8	1	5	1	0	7	0	0	0	0	0	16
03:30	0	2	0	0	2	4	7	0	0	11	0	4	0	0	4	0	1	0	0	1	18
03:45	0	2	0	0	2	6	7	0	0	13	3	3	0	0	6	0	1	1	0	2	23
Total	0	6	0	0	6	18	19	1	0	38	6	14	4	0	24	0	2	1	0	3	71
04:00	0	2	0	0	2	10	3	0	0	13	0	3	0	0	3	0	1	2	0	3	21
04:15	0	2	0	0	2	8	6	0	0	14	1	3	3	0	7	0	2	0	0	2	25
04:30	2	3	0	0	5	15	4	1	0	20	2	6	1	0	9	0	3	3	0	6	40
04:45	1	5	0	0	6	18	11	2	0	31	2	10	0	0	12	0	5	2	0	7	56
Total	3	12	0	0	15	51	24	3	0	78	5	22	4	0	31	0	11	7	0	18	142
05:00	1	8	0	0	9	37	19	1	0	57	1	4	4	0	9	0	2	2	0	4	79
05:15	0	9	3	0	12	42	14	4	0	60	4	10	3	0	17	0	7	4	0	11	100
05:30	1	11	4	0	16	37	29	4	0	70	5	8	8	0	21	0	8	5	0	13	120
05:45	6	12	3	0	21	42	26	5	0	73	5	13	9	0	27	1	14	5	0	20	141
Total	8	40	10	0	58	158	88	14	0	260	15	35	24	0	74	1	31	16	0	48	440
06:00	9	38	4	0	51	61	34	5	0	100	14	29	16	0	59	0	52	9	0	61	271
06:15	8	29	5	0	42	89	51	8	0	148	9	17	11	0	37	2	42	12	0	56	283
06:30	9	32	4	0	45	102	90	0	0	192	21	30	26	0	77	3	49	31	0	83	397
06:45	17	46	15	0	78	102	100	3	0	205	35	24	24	0	83	3	53	19	0	75	441
Total	43	145	28	0	216	354	275	16	0	645	79	100	77	0	256	8	196	71	0	275	1392
07:00	16	55	18	0	89	104	124	0	0	228	57	27	38	0	122	7	71	39	0	117	556
07:15	9	48	33	0	90	79	119	0	0	198	66	33	41	0	140	5	67	36	0	108	536
07:30	12	31	14	0	57	60	134	0	0	194	32	31	34	0	97	4	91	56	0	151	499
07:45	16	61	19	0	96	82	118	1	0	201	34	42	42	0	118	0	59	27	0	86	501
Total	53	195	84	0	332	325	495	1	0	821	189	133	155	0	477	16	288	158	0	462	2092
08:00	25	53	6	0	84	80	106	4	0	190	33	33	43	0	109	6	54	28	0	88	471
08:15	4	52	6	0	62	71	107	8	0	186	41	36	42	0	119	3	48	36	0	87	454
08:30	11	49	4	0	64	70	81	7	0	158	40	35	30	0	105	4	46	37	0	87	414
08:45	7	44	9	0	60	63	74	11	0	148	27	25	40	0	92	3	30	24	0	57	357
Total	47	198	25	0	270	284	368	30	0	682	141	129	155	0	425	16	178	125	0	319	1696
09:00	4	27	7	0	38	60	66	9	0	135	24	24	41	0	89	5	43	32	0	80	342
09:15	2	20	7	0	29	51	43	5	0	99	24	29	40	0	93	7	48	48	0	103	324
09:30	3	34	2	0	39	66	48	5	0	119	20	25	27	0	72	4	32	35	0	71	301
09:45	5	36	4	0	45	67	44	8	0	119	22	22	32	0	76	0	55	32	0	87	327
Total	14	117	20	0	151	244	201	27	0	472	90	100	140	0	330	16	178	147	0	341	1294

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 6

Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	9	22	3	0	34	48	53	7	0	108	29	41	41	0	111	3	29	18	0	50	303
10:15	5	33	3	0	41	40	37	2	0	79	24	23	45	0	92	2	26	31	0	59	271
10:30	4	28	5	0	37	46	33	5	0	84	24	26	26	0	76	7	42	27	0	76	273
10:45	8	36	3	0	47	50	39	9	0	98	25	36	45	0	106	2	28	27	0	57	308
Total	26	119	14	0	159	184	162	23	0	369	102	126	157	0	385	14	125	103	0	242	1155
11:00	10	27	6	0	43	51	34	3	0	88	32	34	46	0	112	0	26	36	0	62	305
11:15	7	49	2	0	58	51	36	6	0	93	33	29	47	0	109	3	31	29	0	63	323
11:30	5	41	3	0	49	37	33	4	0	74	36	39	40	0	115	1	36	17	0	54	292
11:45	7	37	8	0	52	47	38	4	0	89	34	32	39	0	105	2	38	37	0	77	323
Total	29	154	19	0	202	186	141	17	0	344	135	134	172	0	441	6	131	119	0	256	1243
12:00	8	39	3	0	50	58	35	5	0	98	22	36	54	0	112	6	43	53	0	102	362
12:15	7	59	4	0	70	48	37	5	0	90	50	34	52	0	136	8	35	29	0	72	368
12:30	5	40	3	0	48	48	38	5	0	91	39	39	56	0	134	8	42	35	0	85	358
12:45	4	29	4	0	37	43	40	5	0	88	36	33	62	0	131	5	40	35	0	80	336
Total	24	167	14	0	205	197	150	20	0	367	147	142	224	0	513	27	160	152	0	339	1424
13:00	10	26	4	0	40	45	41	6	0	92	23	45	70	0	138	10	39	44	0	93	363
13:15	9	36	5	0	50	41	43	4	0	88	26	30	54	0	110	3	40	34	0	77	325
13:30	5	31	2	0	38	47	35	7	0	89	39	42	70	0	151	2	36	29	0	67	345
13:45	5	29	4	0	38	42	42	4	0	88	48	34	49	0	131	5	39	40	0	84	341
Total	29	122	15	0	166	175	161	21	0	357	136	151	243	0	530	20	154	147	0	321	1374
14:00	10	29	6	0	45	41	58	5	0	104	36	37	60	0	133	2	39	33	0	74	356
14:15	6	33	3	0	42	53	33	4	0	90	38	35	49	0	122	6	42	29	0	77	331
14:30	7	35	6	0	48	35	53	4	0	92	43	31	66	0	140	3	59	29	0	91	371
14:45	13	44	5	0	62	55	58	5	0	118	47	35	48	0	130	4	58	25	0	87	397
Total	36	141	20	0	197	184	202	18	0	404	164	138	223	0	525	15	198	116	0	329	1455
15:00	15	29	3	0	47	51	51	16	0	118	38	42	69	0	149	5	65	38	0	108	422
15:15	12	38	11	0	61	61	56	7	0	124	26	44	62	0	132	1	68	49	0	118	435
15:30	14	39	5	0	58	47	45	11	0	103	31	39	51	0	121	4	80	44	0	128	410
15:45	11	43	7	0	61	56	77	9	0	142	32	33	78	0	143	9	83	32	0	124	470
Total	52	149	26	0	227	215	229	43	0	487	127	158	260	0	545	19	296	163	0	478	1737
16:00	4	42	5	0	51	55	62	8	0	125	39	32	62	0	133	9	88	29	0	126	435
16:15	20	40	7	0	67	52	63	8	0	123	41	30	87	0	158	6	86	37	0	129	477
16:30	16	49	8	0	73	63	74	11	0	148	44	45	72	0	161	6	84	23	0	113	495
16:45	16	36	7	0	59	41	72	9	0	122	34	40	61	0	135	13	99	33	0	145	461
Total	56	167	27	0	250	211	271	36	0	518	158	147	282	0	587	34	357	122	0	513	1868
17:00	23	68	6	0	97	50	87	10	0	147	50	43	96	0	189	5	92	31	0	128	561
17:15	20	53	8	0	81	71	96	10	0	177	40	30	90	0	160	1	92	25	0	118	536
17:30	32	49	7	0	88	64	73	5	0	142	32	46	81	0	159	5	84	30	0	119	508
17:45	15	56	12	0	83	65	84	4	0	153	40	34	82	0	156	4	93	39	0	136	528
Total	90	226	33	0	349	250	340	29	0	619	162	153	349	0	664	15	361	125	0	501	2133
18:00	16	44	11	0	71	71	70	9	0	150	47	32	91	0	170	7	100	35	0	142	533
18:15	20	57	4	0	81	66	87	6	0	159	59	50	79	0	188	3	77	36	0	116	544
18:30	11	48	6	0	65	63	89	10	0	162	43	39	91	0	173	4	79	30	0	113	513
18:45	5	54	6	0	65	50	58	8	0	116	37	48	80	0	165	4	67	27	0	98	444
Total	52	203	27	0	282	250	304	33	0	587	186	169	341	0	696	18	323	128	0	469	2034
19:00	7	35	8	0	50	54	42	10	0	106	40	48	92	0	180	5	45	37	0	87	423
19:15	4	37	6	0	47	43	52	9	0	104	29	35	89	0	153	1	42	27	0	70	374
19:30	7	33	3	0	43	57	42	10	0	109	33	41	89	0	163	6	48	15	0	69	384
19:45	9	26	2	0	37	53	48	8	0	109	37	37	80	0	154	5	49	27	0	81	381
Total	27	131	19	0	177	207	184	37	0	428	139	161	350	0	650	17	184	106	0	307	1562

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 7

Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	6	23	0	0	29	46	41	10	0	97	26	39	90	0	155	3	31	29	0	63	344
20:15	4	28	0	0	32	41	27	5	0	73	29	25	69	0	123	6	36	33	0	75	303
20:30	9	25	3	0	37	40	23	1	0	64	26	23	72	0	121	6	45	22	0	73	295
20:45	5	14	1	0	20	35	27	2	0	64	18	22	59	0	99	3	40	19	0	62	245
Total	24	90	4	0	118	162	118	18	0	298	99	109	290	0	498	18	152	103	0	273	1187
21:00	6	14	0	0	20	31	12	3	0	46	15	33	39	0	87	2	38	18	0	58	211
21:15	1	14	2	0	17	20	20	0	0	40	16	18	40	0	74	6	28	22	0	56	187
21:30	3	19	1	0	23	32	26	2	0	60	21	14	44	0	79	6	23	13	0	42	204
21:45	5	19	4	0	28	24	9	1	0	34	17	16	40	0	73	2	34	6	0	42	177
Total	15	66	7	0	88	107	67	6	0	180	69	81	163	0	313	16	123	59	0	198	779
22:00	2	11	3	0	16	20	5	4	0	29	9	14	52	0	75	1	15	5	0	21	141
22:15	2	7	0	0	9	14	15	2	0	31	6	17	34	0	57	3	17	2	0	22	119
22:30	2	3	0	0	5	8	8	3	0	19	6	14	28	0	48	3	13	5	0	21	93
22:45	1	6	0	0	7	14	4	1	0	19	1	8	20	0	29	4	9	2	0	15	70
Total	7	27	3	0	37	56	32	10	0	98	22	53	134	0	209	11	54	14	0	79	423
23:00	1	5	0	0	6	5	6	1	0	12	4	8	24	0	36	1	7	6	0	14	68
23:15	0	1	1	0	2	8	3	0	0	11	2	7	19	0	28	0	12	1	0	13	54
23:30	0	4	0	0	4	6	1	2	0	9	3	2	14	0	19	1	3	2	0	6	38
23:45	2	1	0	0	3	4	8	0	0	12	1	4	11	0	16	0	2	0	0	2	33
Total	3	11	1	0	15	23	18	3	0	44	10	21	68	0	99	2	24	9	0	35	193
Grand Total	640	2493	396	0	3529	3865	3877	411	0	8153	2183	2305	3876	0	8364	290	3554	2000	0	5844	25890
Apprch %	18.1	70.6	11.2	0		47.4	47.6	5	0		26.1	27.6	46.3	0		5	60.8	34.2	0		
Total %	2.5	9.6	1.5	0	13.6	14.9	15	1.6	0	31.5	8.4	8.9	15	0	32.3	1.1	13.7	7.7	0	22.6	

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:00																					
17:00	23	68	6	0	97	50	87	10	0	147	50	43	96	0	189	5	92	31	0	128	561
17:15	20	53	8	0	81	71	96	10	0	177	40	30	90	0	160	1	92	25	0	118	536
17:30	32	49	7	0	88	64	73	5	0	142	32	46	81	0	159	5	84	30	0	119	508
17:45	15	56	12	0	83	65	84	4	0	153	40	34	82	0	156	4	93	39	0	136	528
Total Volume	90	226	33	0	349	250	340	29	0	619	162	153	349	0	664	15	361	125	0	501	2133
% App. Total	25.8	64.8	9.5	0		40.4	54.9	4.7	0		24.4	23	52.6	0		3	72.1	25	0		
PHF	.703	.831	.688	.000	.899	.880	.885	.725	.000	.874	.810	.832	.909	.000	.878	.750	.970	.801	.000	.921	.951

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	17:00					06:45					18:15					16:15				
+0 mins.	23	⁶⁸	6	0	⁹⁷	102	100	³	0	205	⁵⁹	50	79	0	188	6	86	37	0	129
+15 mins.	20	53	8	0	81	104	124	0	0	228	43	39	91	0	173	6	84	23	0	113
+30 mins.	32	49	7	0	88	79	119	0	0	198	37	48	80	0	165	13	99	33	0	145
+45 mins.	15	56	12	0	83	60	134	0	0	194	40	48	92	0	180	5	92	31	0	128
Total Volume	90	226	33	0	349	345	477	3	0	825	179	185	342	0	706	30	361	124	0	515
% App. Total	25.8	64.8	9.5	0		41.8	57.8	0.4	0		25.4	26.2	48.4	0		5.8	70.1	24.1	0	
PHF	.703	.831	.688	.000	.899	.829	.890	.250	.000	.905	.758	.925	.929	.000	.939	.577	.912	.838	.000	.888

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

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Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
01:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
01:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
03:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
04:00	1	0	0	0	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	3
04:15	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:30	0	1	0	0	1	0	0	2	0	2	0	1	0	0	1	0	0	0	0	0	4
04:45	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	1	0	1	3
Total	1	1	0	0	2	1	1	6	0	8	0	1	0	0	1	0	0	1	0	1	12
05:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:15	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	1	0	0	1	5
05:30	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	3
05:45	0	0	0	0	0	0	1	0	0	1	0	1	1	0	2	0	2	1	0	3	6
Total	1	1	0	0	2	0	6	1	0	7	0	1	1	0	2	0	3	1	0	4	15
06:00	0	0	1	0	1	4	1	0	0	5	0	2	0	0	2	0	1	2	0	3	11
06:15	0	4	0	0	4	4	2	0	0	6	0	1	0	0	1	0	2	1	0	3	14
06:30	2	1	0	0	3	3	4	0	0	7	0	1	1	0	2	0	2	1	0	3	15
06:45	2	3	1	0	6	2	5	0	0	7	1	1	1	0	3	0	5	2	0	7	23
Total	4	8	2	0	14	13	12	0	0	25	1	5	2	0	8	0	10	6	0	16	63
07:00	1	4	1	0	6	1	1	0	0	2	1	1	3	0	5	0	3	2	0	5	18
07:15	1	6	0	0	7	0	3	0	0	3	2	1	2	0	5	0	3	2	0	5	20
07:30	0	1	1	0	2	3	5	0	0	8	1	2	2	0	5	2	7	1	0	10	25
07:45	3	5	1	0	9	1	10	0	0	11	4	0	6	0	10	0	8	2	0	10	40
Total	5	16	3	0	24	5	19	0	0	24	8	4	13	0	25	2	21	7	0	30	103
08:00	1	9	0	0	10	4	6	0	0	10	2	4	3	0	9	1	5	1	0	7	36
08:15	3	3	0	0	6	3	3	1	0	7	1	5	5	0	11	0	6	0	0	6	30
08:30	1	2	0	0	3	5	4	0	0	9	0	2	9	0	11	0	4	3	0	7	30
08:45	1	4	0	0	5	1	3	1	0	5	2	3	13	0	18	0	3	2	0	5	33
Total	6	18	0	0	24	13	16	2	0	31	5	14	30	0	49	1	18	6	0	25	129
09:00	1	6	1	0	8	2	4	0	0	6	0	2	7	0	9	0	3	1	0	4	27
09:15	2	5	0	0	7	1	1	0	0	2	1	1	1	0	3	1	7	2	0	10	22
09:30	0	2	0	0	2	1	5	1	0	7	1	1	2	0	4	0	6	0	0	6	19
09:45	1	3	0	0	4	1	2	1	0	4	1	4	1	0	6	0	5	0	0	5	19
Total	4	16	1	0	21	5	12	2	0	19	3	8	11	0	22	1	21	3	0	25	87

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

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Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	3	3	0	0	6	1	5	1	0	7	1	3	1	0	5	1	1	0	0	2	20
10:15	7	1	1	0	9	3	3	0	0	6	2	3	0	0	5	0	0	0	0	0	20
10:30	1	7	0	0	8	1	1	1	0	3	2	1	3	0	6	0	4	0	0	4	21
10:45	1	2	0	0	3	2	6	2	0	10	1	2	1	0	4	0	3	1	0	4	21
Total	12	13	1	0	26	7	15	4	0	26	6	9	5	0	20	1	8	1	0	10	82
11:00	6	4	0	0	10	1	5	4	0	10	0	4	0	0	4	1	3	2	0	6	30
11:15	2	1	0	0	3	0	5	1	0	6	0	2	0	0	2	1	1	2	0	4	15
11:30	2	1	0	0	3	2	4	3	0	9	0	2	1	0	3	0	6	0	0	6	21
11:45	2	2	0	0	4	1	4	1	0	6	1	6	0	0	7	0	2	0	0	2	19
Total	12	8	0	0	20	4	18	9	0	31	1	14	1	0	16	2	12	4	0	18	85
12:00	0	2	0	0	2	0	2	0	0	2	1	5	1	0	7	0	2	0	0	2	13
12:15	4	7	1	0	12	1	3	1	0	5	0	2	3	0	5	0	2	1	0	3	25
12:30	3	3	0	0	6	0	8	0	0	8	2	1	0	0	3	0	5	0	0	5	22
12:45	1	1	0	0	2	1	3	1	0	5	1	1	2	0	4	1	0	0	0	1	12
Total	8	13	1	0	22	2	16	2	0	20	4	9	6	0	19	1	9	1	0	11	72
13:00	0	0	1	0	1	1	6	4	0	11	3	2	1	0	6	1	0	0	0	1	19
13:15	4	3	0	0	7	0	3	3	0	6	2	7	0	0	9	0	4	1	0	5	27
13:30	1	2	0	0	3	1	1	3	0	5	0	2	1	0	3	1	2	2	0	5	16
13:45	1	1	0	0	2	1	1	1	0	3	2	1	0	0	3	2	4	1	0	7	15
Total	6	6	1	0	13	3	11	11	0	25	7	12	2	0	21	4	10	4	0	18	77
14:00	1	9	0	0	10	3	3	0	0	6	0	0	0	0	0	0	3	0	0	3	19
14:15	2	0	1	0	3	1	11	1	0	13	1	3	3	0	7	0	2	4	0	6	29
14:30	0	1	0	0	1	5	16	1	0	22	1	2	0	0	3	0	4	1	0	5	31
14:45	1	0	0	0	1	4	2	2	0	8	1	0	2	0	3	0	1	0	0	1	13
Total	4	10	1	0	15	13	32	4	0	49	3	5	5	0	13	0	10	5	0	15	92
15:00	2	1	1	0	4	4	2	1	0	7	1	3	2	0	6	1	1	1	0	3	20
15:15	0	3	0	0	3	1	1	0	0	2	0	1	4	0	5	0	4	1	0	5	15
15:30	3	4	0	0	7	2	1	0	0	3	0	1	2	0	3	0	2	1	0	3	16
15:45	1	0	0	0	1	1	6	0	0	7	2	0	0	0	2	0	4	0	0	4	14
Total	6	8	1	0	15	8	10	1	0	19	3	5	8	0	16	1	11	3	0	15	65
16:00	2	1	1	0	4	4	4	1	0	9	1	1	0	0	2	0	4	1	0	5	20
16:15	2	2	0	0	4	0	1	1	0	2	0	2	7	0	9	0	1	1	0	2	17
16:30	1	0	1	0	2	0	4	0	0	4	0	1	1	0	2	0	1	0	0	1	9
16:45	0	1	2	0	3	4	5	4	0	13	1	0	5	0	6	0	0	0	0	0	22
Total	5	4	4	0	13	8	14	6	0	28	2	4	13	0	19	0	6	2	0	8	68
17:00	1	3	1	0	5	1	4	0	0	5	0	1	4	0	5	0	0	0	0	0	15
17:15	1	2	0	0	3	0	2	1	0	3	0	0	6	0	6	0	1	0	0	1	13
17:30	0	1	0	0	1	1	2	0	0	3	0	2	8	0	10	0	1	0	0	1	15
17:45	1	0	0	0	1	0	2	0	0	2	0	0	1	0	1	0	1	0	0	1	5
Total	3	6	1	0	10	2	10	1	0	13	0	3	19	0	22	0	3	0	0	3	48
18:00	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	3
18:15	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
18:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
18:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
Total	0	2	0	0	2	0	1	1	0	2	0	3	1	0	4	0	1	0	0	1	9
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	2
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	2	1	0	4	5

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 10

Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20:15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	2
20:30	0	1	0	0	1	0	1	0	0	1	1	1	0	0	2	0	1	0	0	1	5
20:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	1	0	2	0	2	0	0	2	1	2	0	0	3	0	2	0	0	2	9
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
21:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:45	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	1	0	1	4
Total	0	2	0	0	2	0	1	1	0	2	0	0	1	0	1	0	0	1	0	1	6
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
23:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
Grand Total	77	139	17	0	233	84	198	53	0	335	44	102	118	0	264	15	147	46	0	208	1040
Apprch %	33	59.7	7.3	0		25.1	59.1	15.8	0		16.7	38.6	44.7	0		7.2	70.7	22.1	0		
Total %	7.4	13.4	1.6	0	22.4	8.1	19	5.1	0	32.2	4.2	9.8	11.3	0	25.4	1.4	14.1	4.4	0	20	

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45																					
07:45	3	5	1	0	9	1	10	0	0	11	4	0	6	0	10	0	8	2	0	10	40
08:00	1	9	0	0	10	4	6	0	0	10	2	4	3	0	9	1	5	1	0	7	36
08:15	3	3	0	0	6	3	3	1	0	7	1	5	5	0	11	0	6	0	0	6	30
08:30	1	2	0	0	3	5	4	0	0	9	0	2	9	0	11	0	4	3	0	7	30
Total Volume	8	19	1	0	28	13	23	1	0	37	7	11	23	0	41	1	23	6	0	30	136
% App. Total	28.6	67.9	3.6	0		35.1	62.2	2.7	0		17.1	26.8	56.1	0		3.3	76.7	20	0		
PHF	.667	.528	.250	.000	.700	.650	.575	.250	.000	.841	.438	.550	.639	.000	.932	.250	.719	.500	.000	.750	.850

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	10:15					14:15					08:00					07:30				
+0 mins.	7	1	1	0	9	1	11	1	0	13	2	4	3	0	9	2	7	1	0	10
+15 mins.	1	7	0	0	8	5	16	1	0	22	1	5	5	0	11	0	8	2	0	10
+30 mins.	1	2	0	0	3	4	2	2	0	8	0	2	9	0	11	1	5	1	0	7
+45 mins.	6	4	0	0	10	4	2	1	0	7	2	3	13	0	18	0	6	0	0	6
Total Volume	15	14	1	0	30	14	31	5	0	50	5	14	30	0	49	3	26	4	0	33
% App. Total	50	46.7	3.3	0		28	62	10	0		10.2	28.6	61.2	0		9.1	78.8	12.1	0	
PHF	.536	.500	.250	.000	.750	.700	.484	.625	.000	.568	.625	.700	.577	.000	.681	.375	.813	.500	.000	.825

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 11

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 12

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626
512-832-8650

File Name : Site 2 - Ed Schmidt Blvd & Limmer Loop

Site Code : 2

Start Date : 4/13/2023

Page No : 13

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Apprch %	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0		
Total %	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	100	

	Ed Schmidt Blvd Southbound					Limmer Loop Westbound					Ed Schmidt Blvd Northbound					Limmer Loop Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:30																					
09:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.000	.250	.250

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	00:00					00:00					00:00					09:30					
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.000	.250	

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 1

Groups Printed- Vehicles - Heavy Vehicles

Start Time	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					Int. Total
	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	
00:00	0	7	0	0	7	1	0	2	0	3	0	15	1	0	16	0	0	0	0	0	26
00:15	0	6	0	0	6	1	1	1	0	3	0	10	0	0	10	0	0	0	0	0	19
00:30	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	10
00:45	0	4	0	0	4	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	12
Total	0	22	0	0	22	2	1	3	0	6	0	38	1	0	39	0	0	0	0	0	67
01:00	0	5	0	0	5	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	17
01:15	0	3	0	0	3	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	9
01:30	0	1	0	0	1	1	0	0	0	1	0	8	1	0	9	0	0	0	0	0	11
01:45	0	5	0	0	5	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	9
Total	0	14	0	0	14	1	0	0	0	1	0	29	2	0	31	0	0	0	0	0	46
02:00	0	4	0	0	4	1	0	0	0	1	0	7	0	0	7	0	0	0	0	0	12
02:15	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	7
02:30	0	2	0	0	2	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	11
02:45	0	5	0	0	5	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	11
Total	0	14	0	0	14	1	0	0	0	1	0	25	1	0	26	0	0	0	0	0	41
03:00	0	4	0	0	4	2	0	0	0	2	0	6	0	0	6	0	0	0	0	0	12
03:15	0	10	0	0	10	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	16
03:30	0	9	0	0	9	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	14
03:45	0	13	0	0	13	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	19
Total	0	36	0	0	36	4	0	1	0	5	0	20	0	0	20	0	0	0	0	0	61
04:00	0	15	1	0	16	0	0	0	0	0	0	6	0	0	6	0	0	1	0	1	23
04:15	1	11	0	0	12	0	0	1	0	1	0	7	1	0	8	0	0	0	0	0	21
04:30	0	19	2	0	21	0	0	1	0	1	0	11	1	0	12	0	0	0	0	0	34
04:45	0	28	1	0	29	0	0	0	0	0	1	13	0	0	14	0	0	0	0	0	43
Total	1	73	4	0	78	0	0	2	0	2	1	37	2	0	40	0	0	1	0	1	121
05:00	0	45	0	0	45	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	55
05:15	1	55	1	0	57	0	0	0	0	0	1	25	0	0	26	0	0	1	0	1	84
05:30	1	61	2	0	64	0	1	0	0	1	1	35	4	0	40	0	0	0	0	0	105
05:45	3	51	3	0	57	1	1	0	0	2	0	50	3	0	53	0	0	1	0	1	113
Total	5	212	6	0	223	1	2	0	0	3	2	120	7	0	129	0	0	2	0	2	357
06:00	1	97	2	0	100	3	1	2	0	6	0	47	7	0	54	1	0	3	0	4	164
06:15	8	127	1	0	136	1	0	1	0	2	0	53	6	0	59	2	0	3	0	5	202
06:30	9	162	2	0	173	10	1	5	0	16	1	79	8	0	88	0	3	0	0	3	280
06:45	10	175	2	0	187	7	1	10	0	18	0	111	20	0	131	3	2	0	0	5	341
Total	28	561	7	0	596	21	3	18	0	42	1	290	41	0	332	6	5	6	0	17	987
07:00	19	183	1	0	203	10	1	11	0	22	0	137	10	0	147	1	0	1	0	2	374
07:15	14	175	6	0	195	9	0	20	0	29	1	104	23	0	128	4	2	2	0	8	360
07:30	22	144	4	0	170	10	0	9	0	19	1	131	19	0	151	2	2	3	0	7	347
07:45	28	166	5	0	199	5	5	18	0	28	1	112	28	0	141	3	1	3	0	7	375
Total	83	668	16	0	767	34	6	58	0	98	3	484	80	0	567	10	5	9	0	24	1456
08:00	21	111	19	0	151	11	4	25	0	40	3	106	23	0	132	1	2	3	0	6	329
08:15	37	124	13	0	174	12	1	22	0	35	3	104	29	0	136	3	3	4	0	10	355
08:30	32	147	15	0	194	17	3	21	0	41	3	101	29	0	133	2	3	8	0	13	381
08:45	17	131	8	0	156	14	4	26	0	44	1	107	37	0	145	5	5	2	0	12	357
Total	107	513	55	0	675	54	12	94	0	160	10	418	118	0	546	11	13	17	0	41	1422
09:00	17	117	12	0	146	26	2	18	0	46	1	103	35	0	139	0	3	4	0	7	338
09:15	33	112	3	0	148	20	4	17	0	41	3	84	33	0	120	4	4	12	0	20	329

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 2

Groups Printed- Vehicles - Heavy Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
09:30	26	100	10	0	136	15	5	16	0	36	3	68	45	0	116	4	3	5	0	12	300
09:45	37	105	13	0	155	14	5	18	0	37	4	96	35	0	135	4	2	6	0	12	339
Total	113	434	38	0	585	75	16	69	0	160	11	351	148	0	510	12	12	27	0	51	1306
10:00	17	86	7	0	110	15	5	26	0	46	1	72	32	0	105	13	7	9	0	29	290
10:15	25	93	16	0	134	19	4	17	0	40	2	74	39	0	115	7	8	9	0	24	313
10:30	26	112	9	0	147	12	5	25	0	42	2	79	49	0	130	3	2	13	0	18	337
10:45	25	102	10	0	137	14	7	28	0	49	3	90	40	0	133	5	4	6	0	15	334
Total	93	393	42	0	528	60	21	96	0	177	8	315	160	0	483	28	21	37	0	86	1274
11:00	45	116	5	0	166	15	4	32	0	51	6	87	52	0	145	5	7	9	0	21	383
11:15	40	98	10	0	148	22	7	43	0	72	5	100	59	0	164	5	3	9	0	17	401
11:30	38	86	8	0	132	20	8	28	0	56	2	112	70	0	184	7	5	6	0	18	390
11:45	46	99	7	0	152	17	7	32	0	56	3	101	76	0	180	5	0	4	0	9	397
Total	169	399	30	0	598	74	26	135	0	235	16	400	257	0	673	22	15	28	0	65	1571
12:00	54	116	5	0	175	23	2	45	0	70	1	115	82	0	198	8	6	10	0	24	467
12:15	45	129	5	0	179	28	5	40	0	73	10	101	73	0	184	1	3	18	0	22	458
12:30	30	110	7	0	147	25	6	35	0	66	10	124	67	0	201	7	5	24	0	36	450
12:45	37	100	9	0	146	27	4	28	0	59	12	114	77	0	203	2	6	10	0	18	426
Total	166	455	26	0	647	103	17	148	0	268	33	454	299	0	786	18	20	62	0	100	1801
13:00	34	105	15	0	154	24	3	34	0	61	15	103	64	0	182	1	6	15	0	22	419
13:15	37	97	12	0	146	27	2	41	0	70	4	111	73	0	188	4	4	9	0	17	421
13:30	24	109	8	0	141	30	8	41	0	79	3	102	54	0	159	5	1	10	0	16	395
13:45	35	89	7	0	131	20	6	31	0	57	2	119	49	0	170	2	5	10	0	17	375
Total	130	400	42	0	572	101	19	147	0	267	24	435	240	0	699	12	16	44	0	72	1610
14:00	27	108	9	0	144	20	5	31	0	56	2	104	49	0	155	2	6	9	0	17	372
14:15	22	110	8	0	140	15	3	31	0	49	4	98	66	0	168	6	10	15	0	31	388
14:30	25	100	11	0	136	34	3	28	0	65	2	109	80	0	191	7	2	11	0	20	412
14:45	23	134	6	0	163	15	5	22	0	42	3	122	79	0	204	8	5	7	0	20	429
Total	97	452	34	0	583	84	16	112	0	212	11	433	274	0	718	23	23	42	0	88	1601
15:00	29	104	11	0	144	22	1	27	0	50	3	117	65	0	185	6	3	11	0	20	399
15:15	29	139	11	0	179	32	3	17	0	52	3	110	49	0	162	4	7	9	0	20	413
15:30	27	131	5	0	163	17	4	30	0	51	1	116	40	0	157	8	8	11	0	27	398
15:45	25	122	12	0	159	20	9	28	0	57	1	126	54	0	181	3	6	4	0	13	410
Total	110	496	39	0	645	91	17	102	0	210	8	469	208	0	685	21	24	35	0	80	1620
16:00	29	115	5	0	149	23	3	21	0	47	11	129	51	0	191	3	5	11	0	19	406
16:15	32	118	15	0	165	14	6	20	0	40	2	151	59	1	213	2	2	13	0	17	435
16:30	30	145	9	0	184	21	3	32	0	56	2	128	61	0	191	6	3	8	0	17	448
16:45	24	122	7	0	153	21	6	33	0	60	2	160	61	0	223	3	3	12	0	18	454
Total	115	500	36	0	651	79	18	106	0	203	17	568	232	1	818	14	13	44	0	71	1743
17:00	48	136	14	0	198	10	4	39	0	53	8	153	50	0	211	3	5	14	0	22	484
17:15	30	128	10	0	168	14	5	34	0	53	2	149	52	0	203	7	7	8	0	22	446
17:30	39	149	3	0	191	17	6	28	0	51	14	151	80	0	245	5	2	9	0	16	503
17:45	51	115	17	0	183	21	7	42	0	70	8	149	55	0	212	3	3	12	0	18	483
Total	168	528	44	0	740	62	22	143	0	227	32	602	237	0	871	18	17	43	0	78	1916
18:00	29	130	15	1	175	4	16	42	0	62	10	163	71	0	244	6	2	10	0	18	499
18:15	45	125	16	0	186	16	8	34	0	58	3	131	52	0	186	3	4	15	0	22	452
18:30	35	118	18	0	171	19	5	27	0	51	5	157	62	0	224	3	5	14	0	22	468
18:45	38	106	11	0	155	12	2	40	0	54	2	135	70	0	207	3	6	12	0	21	437
Total	147	479	60	1	687	51	31	143	0	225	20	586	255	0	861	15	17	51	0	83	1856
19:00	34	122	6	0	162	18	2	38	0	58	2	150	85	1	238	4	4	13	0	21	479

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 3

Groups Printed- Vehicles - Heavy Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
19:15	34	95	3	0	132	27	2	36	0	65	0	119	69	0	188	3	7	7	0	17	402
19:30	32	102	4	0	138	25	3	40	0	68	4	124	71	0	199	4	5	9	0	18	423
19:45	34	109	2	0	145	20	0	33	0	53	5	117	58	0	180	3	6	8	0	17	395
Total	134	428	15	0	577	90	7	147	0	244	11	510	283	1	805	14	22	37	0	73	1699
20:00	24	82	8	0	114	23	1	48	0	72	1	107	55	0	163	4	2	9	0	15	364
20:15	28	88	2	0	118	23	2	36	0	61	0	100	57	0	157	3	7	13	0	23	359
20:30	27	83	4	0	114	31	1	25	0	57	1	88	42	0	131	3	2	5	0	10	312
20:45	15	68	3	1	87	17	3	23	0	43	1	77	44	0	122	1	1	8	0	10	262
Total	94	321	17	1	433	94	7	132	0	233	3	372	198	0	573	11	12	35	0	58	1297
21:00	21	68	1	0	90	17	3	16	0	36	1	77	44	0	122	5	2	5	0	12	260
21:15	11	66	1	0	78	18	1	19	0	38	0	58	33	0	91	0	1	4	0	5	212
21:30	14	66	0	0	80	25	0	15	0	40	0	70	37	0	107	1	3	3	0	7	234
21:45	11	43	0	0	54	25	0	10	0	35	0	58	16	0	74	1	0	1	0	2	165
Total	57	243	2	0	302	85	4	60	0	149	1	263	130	0	394	7	6	13	0	26	871
22:00	6	34	0	0	40	18	0	12	0	30	0	66	18	0	84	0	1	1	0	2	156
22:15	7	23	0	0	30	7	1	5	0	13	0	45	12	0	57	0	0	0	0	0	100
22:30	2	19	0	0	21	10	0	6	0	16	0	37	8	0	45	0	2	1	0	3	85
22:45	6	18	0	0	24	5	1	4	0	10	0	36	4	0	40	0	0	0	0	0	74
Total	21	94	0	0	115	40	2	27	0	69	0	184	42	0	226	0	3	2	0	5	415
23:00	1	25	0	0	26	2	0	4	0	6	0	31	4	0	35	1	0	1	0	2	69
23:15	2	8	1	0	11	2	0	4	0	6	0	28	5	0	33	1	0	0	0	1	51
23:30	1	11	0	0	12	3	0	1	0	4	0	19	3	0	22	0	0	0	0	0	38
23:45	0	7	0	0	7	2	0	0	0	2	0	17	1	0	18	0	0	0	0	0	27
Total	4	51	1	0	56	9	0	9	0	18	0	95	13	0	108	2	0	1	0	3	185
Grand Total	1842	7786	514	2	10144	1216	247	1752	0	3215	212	7498	3228	2	10940	244	244	536	0	1024	25323
Apprch %	18.2	76.8	5.1	0		37.8	7.7	54.5	0		1.9	68.5	29.5	0		23.8	23.8	52.3	0		
Total %	7.3	30.7	2	0	40.1	4.8	1	6.9	0	12.7	0.8	29.6	12.7	0	43.2	1	1	2.1	0	4	
Vehicles	1830	7523	514	2	9869	1199	246	1744	0	3189	208	7219	3207	2	10636	244	241	534	0	1019	24713
% Vehicles	99.3	96.6	100	100	97.3	98.6	99.6	99.5	0	99.2	98.1	96.3	99.3	100	97.2	100	98.8	99.6	0	99.5	97.6
Heavy Vehicles	12	263	0	0	275	17	1	8	0	26	4	279	21	0	304	0	3	2	0	5	610
% Heavy Vehicles	0.7	3.4	0	0	2.7	1.4	0.4	0.5	0	0.8	1.9	3.7	0.7	0	2.8	0	1.2	0.4	0	0.5	2.4

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:30																					
17:30	39	149	3	0	191	17	6	28	0	51	14	151	80	0	245	5	2	9	0	16	503
17:45	51	115	17	0	183	21	7	42	0	70	8	149	55	0	212	3	3	12	0	18	483
18:00	29	130	15	1	175	4	16	42	0	62	10	163	71	0	244	6	2	10	0	18	499
18:15	45	125	16	0	186	16	8	34	0	58	3	131	52	0	186	3	4	15	0	22	452
Total Volume	164	519	51	1	735	58	37	146	0	241	35	594	258	0	887	17	11	46	0	74	1937
% App. Total	22.3	70.6	6.9	0.1		24.1	15.4	60.6	0		3.9	67	29.1	0		23	14.9	62.2	0		
PHF	.804	.871	.750	.250	.962	.690	.578	.869	.000	.861	.625	.911	.806	.000	.905	.708	.688	.767	.000	.841	.963
Vehicles	164	513	51	1	729	57	37	146	0	240	35	582	258	0	875	17	11	46	0	74	1918
% Vehicles																					
Heavy Vehicles	0	6	0	0	6	1	0	0	0	1	0	12	0	0	12	0	0	0	0	0	19
% Heavy Vehicles	0	1.2	0	0	0.8	1.7	0	0	0	0.4	0	2.0	0	0	1.4	0	0	0	0	0	1.0

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 4

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00					12:45					17:15					12:00				
+0 mins.	19	183	1	0	203	27	4	28	0	59	2	149	52	0	203	8	6	10	0	24
+15 mins.	14	175	6	0	195	24	3	34	0	61	14	151	80	0	245	1	3	18	0	22
+30 mins.	22	144	4	0	170	27	2	41	0	70	8	149	55	0	212	7	5	24	0	36
+45 mins.	28	166	5	0	199	30	8	41	0	79	10	163	71	0	244	2	6	10	0	18
Total Volume	83	668	16	0	767	108	17	144	0	269	34	612	258	0	904	18	20	62	0	100
% App. Total	10.8	87.1	2.1	0		40.1	6.3	53.5	0		3.8	67.7	28.5	0		18	20	62	0	
PHF	.741	.913	.667	.000	.945	.900	.531	.878	.000	.851	.607	.939	.806	.000	.922	.563	.833	.646	.000	.694
Vehicles	79	634	16	0	729	107	17	144	0	268	34	596	258	0	888	18	20	62	0	100
% Vehicles																				
Heavy Vehicles	4	34	0	0	38	1	0	0	0	1	0	16	0	0	16	0	0	0	0	0
% Heavy Vehicles	4.8	5.1	0	0	5	0.9	0	0	0	0.4	0	2.6	0	0	1.8	0	0	0	0	0

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 5

Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	7	0	0	7	0	0	2	0	2	0	15	1	0	16	0	0	0	0	0	25
00:15	0	5	0	0	5	1	1	1	0	3	0	10	0	0	10	0	0	0	0	0	18
00:30	0	4	0	0	4	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	9
00:45	0	4	0	0	4	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	11
Total	0	20	0	0	20	1	1	3	0	5	0	37	1	0	38	0	0	0	0	0	63
01:00	0	5	0	0	5	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	16
01:15	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	7
01:30	0	1	0	0	1	1	0	0	0	1	0	8	1	0	9	0	0	0	0	0	11
01:45	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	8
Total	0	13	0	0	13	1	0	0	0	1	0	27	1	0	28	0	0	0	0	0	42
02:00	0	4	0	0	4	1	0	0	0	1	0	6	0	0	6	0	0	0	0	0	11
02:15	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	7
02:30	0	2	0	0	2	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	10
02:45	0	5	0	0	5	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	11
Total	0	14	0	0	14	1	0	0	0	1	0	24	0	0	24	0	0	0	0	0	39
03:00	0	4	0	0	4	1	0	0	0	1	0	6	0	0	6	0	0	0	0	0	11
03:15	0	10	0	0	10	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	15
03:30	0	8	0	0	8	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	13
03:45	0	12	0	0	12	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	18
Total	0	34	0	0	34	2	0	1	0	3	0	20	0	0	20	0	0	0	0	0	57
04:00	0	15	1	0	16	0	0	0	0	0	0	5	0	0	5	0	0	1	0	1	22
04:15	1	11	0	0	12	0	0	1	0	1	0	7	1	0	8	0	0	0	0	0	21
04:30	0	18	2	0	20	0	0	1	0	1	0	10	0	0	10	0	0	0	0	0	31
04:45	0	27	1	0	28	0	0	0	0	0	1	13	0	0	14	0	0	0	0	0	42
Total	1	71	4	0	76	0	0	2	0	2	1	35	1	0	37	0	0	1	0	1	116
05:00	0	45	0	0	45	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	55
05:15	1	55	1	0	57	0	0	0	0	0	1	25	0	0	26	0	0	1	0	1	84
05:30	1	60	2	0	63	0	1	0	0	1	1	33	4	0	38	0	0	0	0	0	102
05:45	3	51	3	0	57	1	1	0	0	2	0	48	3	0	51	0	0	1	0	1	111
Total	5	211	6	0	222	1	2	0	0	3	2	116	7	0	125	0	0	2	0	2	352
06:00	1	93	2	0	96	3	1	2	0	6	0	47	7	0	54	1	0	3	0	4	160
06:15	8	124	1	0	133	1	0	1	0	2	0	52	6	0	58	2	0	3	0	5	198
06:30	9	152	2	0	163	10	1	5	0	16	1	77	8	0	86	0	3	0	0	3	268
06:45	10	170	2	0	182	7	1	10	0	18	0	107	20	0	127	3	0	0	0	3	330
Total	28	539	7	0	574	21	3	18	0	42	1	283	41	0	325	6	3	6	0	15	956
07:00	16	174	1	0	191	10	1	11	0	22	0	131	9	0	140	1	0	1	0	2	355
07:15	14	163	6	0	183	9	0	20	0	29	1	98	23	0	122	4	2	2	0	8	342
07:30	22	140	4	0	166	10	0	9	0	19	1	124	19	0	144	2	2	3	0	7	336
07:45	27	157	5	0	189	5	5	17	0	27	1	106	28	0	135	3	1	3	0	7	358
Total	79	634	16	0	729	34	6	57	0	97	3	459	79	0	541	10	5	9	0	24	1391
08:00	21	100	19	0	140	10	4	23	0	37	3	95	23	0	121	1	2	3	0	6	304
08:15	37	119	13	0	169	11	1	22	0	34	3	93	29	0	125	3	3	4	0	10	338
08:30	30	141	15	0	186	16	3	21	0	40	3	89	28	0	120	2	3	8	0	13	359
08:45	17	124	8	0	149	14	4	26	0	44	1	89	37	0	127	5	5	2	0	12	332
Total	105	484	55	0	644	51	12	92	0	155	10	366	117	0	493	11	13	17	0	41	1333
09:00	16	111	12	0	139	24	2	18	0	44	1	97	35	0	133	0	3	4	0	7	323
09:15	32	102	3	0	137	19	4	17	0	40	3	79	33	0	115	4	4	12	0	20	312
09:30	26	95	10	0	131	15	5	16	0	36	3	62	45	0	110	4	3	5	0	12	289
09:45	37	100	13	0	150	14	5	18	0	37	3	93	35	0	131	4	2	6	0	12	330
Total	111	408	38	0	557	72	16	69	0	157	10	331	148	0	489	12	12	27	0	51	1254

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 6

Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	17	81	7	0	105	15	5	26	0	46	1	64	31	0	96	13	7	9	0	29	276
10:15	24	87	16	0	127	19	4	16	0	39	2	70	39	0	111	7	8	9	0	24	301
10:30	25	104	9	0	138	12	5	25	0	42	2	72	48	0	122	3	2	13	0	18	320
10:45	25	97	10	0	132	14	7	28	0	49	3	85	39	0	127	5	4	6	0	15	323
Total	91	369	42	0	502	60	21	95	0	176	8	291	157	0	456	28	21	37	0	86	1220
11:00	45	109	5	0	159	15	4	31	0	50	6	84	51	0	141	5	7	9	0	21	371
11:15	40	95	10	0	145	22	7	43	0	72	5	97	58	0	160	5	3	9	0	17	394
11:30	38	85	8	0	131	20	8	28	0	56	2	105	70	0	177	7	5	6	0	18	382
11:45	45	97	7	0	149	16	7	32	0	55	3	98	75	0	176	5	0	4	0	9	389
Total	168	386	30	0	584	73	26	134	0	233	16	384	254	0	654	22	15	28	0	65	1536
12:00	54	113	5	0	172	23	2	45	0	70	1	104	82	0	187	8	6	10	0	24	453
12:15	45	119	5	0	169	28	5	40	0	73	10	96	72	0	178	1	3	18	0	22	442
12:30	29	108	7	0	144	25	6	33	0	64	9	116	67	0	192	7	5	24	0	36	436
12:45	37	98	9	0	144	27	4	28	0	59	11	110	77	0	198	2	6	10	0	18	419
Total	165	438	26	0	629	103	17	146	0	266	31	426	298	0	755	18	20	62	0	100	1750
13:00	34	103	15	0	152	24	3	34	0	61	14	94	64	0	172	1	6	15	0	22	407
13:15	37	91	12	0	140	26	2	41	0	69	4	107	72	0	183	4	4	8	0	16	408
13:30	24	106	8	0	138	30	8	41	0	79	3	100	54	0	157	5	1	10	0	16	390
13:45	35	85	7	0	127	20	6	31	0	57	2	117	49	0	168	2	5	10	0	17	369
Total	130	385	42	0	557	100	19	147	0	266	23	418	239	0	680	12	16	43	0	71	1574
14:00	27	96	9	0	132	18	5	31	0	54	2	102	49	0	153	2	6	9	0	17	356
14:15	22	106	8	0	136	15	3	31	0	49	4	93	66	0	163	6	10	15	0	31	379
14:30	25	93	11	0	129	34	3	28	0	65	2	105	79	0	186	7	2	11	0	20	400
14:45	23	131	6	0	160	15	5	22	0	42	3	118	79	0	200	8	5	7	0	20	422
Total	97	426	34	0	557	82	16	112	0	210	11	418	273	0	702	23	23	42	0	88	1557
15:00	29	100	11	0	140	22	1	27	0	50	3	114	65	0	182	6	3	11	0	20	392
15:15	29	135	11	0	175	32	3	17	0	52	3	108	48	0	159	4	7	9	0	20	406
15:30	27	127	5	0	159	17	4	30	0	51	1	114	40	0	155	8	7	11	0	26	391
15:45	25	120	12	0	157	20	9	28	0	57	1	124	54	0	179	3	6	4	0	13	406
Total	110	482	39	0	631	91	17	102	0	210	8	460	207	0	675	21	23	35	0	79	1595
16:00	29	109	5	0	143	23	3	21	0	47	11	124	49	0	184	3	5	10	0	18	392
16:15	32	115	15	0	162	14	6	20	0	40	2	145	59	1	207	2	2	13	0	17	426
16:30	30	144	9	0	183	20	3	32	0	55	2	124	61	0	187	6	3	8	0	17	442
16:45	24	117	7	0	148	21	6	33	0	60	2	157	61	0	220	3	3	12	0	18	446
Total	115	485	36	0	636	78	18	106	0	202	17	550	230	1	798	14	13	43	0	70	1706
17:00	48	133	14	0	195	10	4	39	0	53	8	148	50	0	206	3	5	14	0	22	476
17:15	30	126	10	0	166	14	5	34	0	53	2	141	52	0	195	7	7	8	0	22	436
17:30	39	145	3	0	187	17	6	28	0	51	14	145	80	0	239	5	2	9	0	16	493
17:45	51	115	17	0	183	20	7	42	0	69	8	148	55	0	211	3	3	12	0	18	481
Total	168	519	44	0	731	61	22	143	0	226	32	582	237	0	851	18	17	43	0	78	1886
18:00	29	129	15	1	174	4	16	42	0	62	10	162	71	0	243	6	2	10	0	18	497
18:15	45	124	16	0	185	16	8	34	0	58	3	127	52	0	182	3	4	15	0	22	447
18:30	35	118	18	0	171	19	5	27	0	51	5	156	62	0	223	3	5	14	0	22	467
18:45	38	106	11	0	155	12	1	40	0	53	2	135	70	0	207	3	6	12	0	21	436
Total	147	477	60	1	685	51	30	143	0	224	20	580	255	0	855	15	17	51	0	83	1847
19:00	34	122	6	0	162	18	2	38	0	58	2	149	84	1	236	4	4	13	0	21	477
19:15	34	94	3	0	131	27	2	36	0	65	0	119	69	0	188	3	7	7	0	17	401
19:30	32	102	4	0	138	25	3	40	0	68	4	124	71	0	199	4	5	9	0	18	423
19:45	34	108	2	0	144	20	0	33	0	53	5	116	58	0	179	3	6	8	0	17	393
Total	134	426	15	0	575	90	7	147	0	244	11	508	282	1	802	14	22	37	0	73	1694

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 7

Groups Printed- Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	24	82	8	0	114	23	1	48	0	72	1	107	54	0	162	4	2	9	0	15	363
20:15	28	88	2	0	118	23	2	36	0	61	0	98	57	0	155	3	7	13	0	23	357
20:30	27	82	4	0	113	31	1	24	0	56	1	87	42	0	130	3	2	5	0	10	309
20:45	15	68	3	1	87	17	3	23	0	43	1	75	44	0	120	1	1	8	0	10	260
Total	94	320	17	1	432	94	7	131	0	232	3	367	197	0	567	11	12	35	0	58	1289
21:00	21	68	1	0	90	17	3	16	0	36	1	77	44	0	122	5	2	5	0	12	260
21:15	11	66	1	0	78	18	1	19	0	38	0	58	33	0	91	0	1	4	0	5	212
21:30	14	65	0	0	79	25	0	15	0	40	0	70	37	0	107	1	3	3	0	7	233
21:45	11	41	0	0	52	25	0	10	0	35	0	57	16	0	73	1	0	1	0	2	162
Total	57	240	2	0	299	85	4	60	0	149	1	262	130	0	393	7	6	13	0	26	867
22:00	6	34	0	0	40	17	0	12	0	29	0	65	16	0	81	0	1	1	0	2	152
22:15	7	23	0	0	30	6	1	5	0	12	0	45	12	0	57	0	0	0	0	0	99
22:30	2	18	0	0	20	10	0	6	0	16	0	37	8	0	45	0	2	1	0	3	84
22:45	6	18	0	0	24	5	1	4	0	10	0	35	4	0	39	0	0	0	0	0	73
Total	21	93	0	0	114	38	2	27	0	67	0	182	40	0	222	0	3	2	0	5	408
23:00	1	23	0	0	24	2	0	4	0	6	0	30	4	0	34	1	0	1	0	2	66
23:15	2	8	1	0	11	2	0	4	0	6	0	28	5	0	33	1	0	0	0	1	51
23:30	1	11	0	0	12	3	0	1	0	4	0	18	3	0	21	0	0	0	0	0	37
23:45	0	7	0	0	7	2	0	0	0	2	0	17	1	0	18	0	0	0	0	0	27
Total	4	49	1	0	54	9	0	9	0	18	0	93	13	0	106	2	0	1	0	3	181
Grand Total	1830	7523	514	2	9869	1199	246	1744	0	3189	208	7219	3207	2	10636	244	241	534	0	1019	24713
Apprch %	18.5	76.2	5.2	0		37.6	7.7	54.7	0		2	67.9	30.2	0		23.9	23.7	52.4	0		
Total %	7.4	30.4	2.1	0	39.9	4.9	1	7.1	0	12.9	0.8	29.2	13	0	43	1	1	2.2	0	4.1	

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:30																					
17:30	39	145	3	0	187	17	6	28	0	51	14	145	80	0	239	5	2	9	0	16	493
17:45	51	115	17	0	183	20	7	42	0	69	8	148	55	0	211	3	3	12	0	18	481
18:00	29	129	15	1	174	4	16	42	0	62	10	162	71	0	243	6	2	10	0	18	497
18:15	45	124	16	0	185	16	8	34	0	58	3	127	52	0	182	3	4	15	0	22	447
Total Volume	164	513	51	1	729	57	37	146	0	240	35	582	258	0	875	17	11	46	0	74	1918
% App. Total	22.5	70.4	7	0.1		23.8	15.4	60.8	0		4	66.5	29.5	0		23	14.9	62.2	0		
PHF	.804	.884	.750	.250	.975	.713	.578	.869	.000	.870	.625	.898	.806	.000	.900	.708	.688	.767	.000	.841	.965

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	17:00					12:45					17:15					12:00				
+0 mins.	48	133	14	0	195	27	4	28	0	59	2	141	52	0	195	8	6	10	0	24
+15 mins.	30	126	10	0	166	24	3	34	0	61	14	145	80	0	239	1	3	18	0	22
+30 mins.	39	145	3	0	187	26	2	41	0	69	8	148	55	0	211	7	5	24	0	36
+45 mins.	51	115	17	0	183	30	8	41	0	79	10	162	71	0	243	2	6	10	0	18
Total Volume	168	519	44	0	731	107	17	144	0	268	34	596	258	0	888	18	20	62	0	100
% App. Total	23	71	6	0		39.9	6.3	53.7	0		3.8	67.1	29.1	0		18	20	62	0	
PHF	.824	.895	.647	.000	.937	.892	.531	.878	.000	.848	.607	.920	.806	.000	.914	.563	.833	.646	.000	.694

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 8

Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
00:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
00:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	2	0	0	2	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
01:15	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Total	0	1	0	0	1	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	2
03:00	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:15	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	1	0	0	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	3
04:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	2	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	5
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
05:45	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Total	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	5
06:00	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
06:15	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
06:30	0	10	0	0	10	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	12
06:45	0	5	0	0	5	0	0	0	0	0	0	4	0	0	4	0	2	0	0	2	11
Total	0	22	0	0	22	0	0	0	0	0	0	7	0	0	7	0	2	0	0	2	31
07:00	3	9	0	0	12	0	0	0	0	0	0	6	1	0	7	0	0	0	0	0	19
07:15	0	12	0	0	12	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	18
07:30	0	4	0	0	4	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	11
07:45	1	9	0	0	10	0	0	1	0	1	0	6	0	0	6	0	0	0	0	0	17
Total	4	34	0	0	38	0	0	1	0	1	0	25	1	0	26	0	0	0	0	0	65
08:00	0	11	0	0	11	1	0	2	0	3	0	11	0	0	11	0	0	0	0	0	25
08:15	0	5	0	0	5	1	0	0	0	1	0	11	0	0	11	0	0	0	0	0	17
08:30	2	6	0	0	8	1	0	0	0	1	0	12	1	0	13	0	0	0	0	0	22
08:45	0	7	0	0	7	0	0	0	0	0	0	18	0	0	18	0	0	0	0	0	25
Total	2	29	0	0	31	3	0	2	0	5	0	52	1	0	53	0	0	0	0	0	89
09:00	1	6	0	0	7	2	0	0	0	2	0	6	0	0	6	0	0	0	0	0	15
09:15	1	10	0	0	11	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	17
09:30	0	5	0	0	5	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	11
09:45	0	5	0	0	5	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	9
Total	2	26	0	0	28	3	0	0	0	3	1	20	0	0	21	0	0	0	0	0	52

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 9

Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	0	5	0	0	5	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	14
10:15	1	6	0	0	7	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	12
10:30	1	8	0	0	9	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	17
10:45	0	5	0	0	5	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	11
Total	2	24	0	0	26	0	0	1	0	1	0	24	3	0	27	0	0	0	0	0	54
11:00	0	7	0	0	7	0	0	1	0	1	0	3	1	0	4	0	0	0	0	0	12
11:15	0	3	0	0	3	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	7
11:30	0	1	0	0	1	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	8
11:45	1	2	0	0	3	1	0	0	0	1	0	3	1	0	4	0	0	0	0	0	8
Total	1	13	0	0	14	1	0	1	0	2	0	16	3	0	19	0	0	0	0	0	35
12:00	0	3	0	0	3	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	14
12:15	0	10	0	0	10	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	16
12:30	1	2	0	0	3	0	0	2	0	2	1	8	0	0	9	0	0	0	0	0	14
12:45	0	2	0	0	2	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	7
Total	1	17	0	0	18	0	0	2	0	2	2	28	1	0	31	0	0	0	0	0	51
13:00	0	2	0	0	2	0	0	0	0	0	1	9	0	0	10	0	0	0	0	0	12
13:15	0	6	0	0	6	1	0	0	0	1	0	4	1	0	5	0	0	1	0	1	13
13:30	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	5
13:45	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	6
Total	0	15	0	0	15	1	0	0	0	1	1	17	1	0	19	0	0	1	0	1	36
14:00	0	12	0	0	12	2	0	0	0	2	0	2	0	0	2	0	0	0	0	0	16
14:15	0	4	0	0	4	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	9
14:30	0	7	0	0	7	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	12
14:45	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	7
Total	0	26	0	0	26	2	0	0	0	2	0	15	1	0	16	0	0	0	0	0	44
15:00	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	7
15:15	0	4	0	0	4	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	7
15:30	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	0	1	0	0	1	7
15:45	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	4
Total	0	14	0	0	14	0	0	0	0	0	0	9	1	0	10	0	1	0	0	1	25
16:00	0	6	0	0	6	0	0	0	0	0	0	5	2	0	7	0	0	1	0	1	14
16:15	0	3	0	0	3	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	9
16:30	0	1	0	0	1	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	6
16:45	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	8
Total	0	15	0	0	15	1	0	0	0	1	0	18	2	0	20	0	0	1	0	1	37
17:00	0	3	0	0	3	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	8
17:15	0	2	0	0	2	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	10
17:30	0	4	0	0	4	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	10
17:45	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	2
Total	0	9	0	0	9	1	0	0	0	1	0	20	0	0	20	0	0	0	0	0	30
18:00	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
18:15	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	5
18:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
18:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	2	0	1	0	0	1	0	6	0	0	6	0	0	0	0	0	9
19:00	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	2
19:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
Total	0	2	0	0	2	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	5

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 10

Groups Printed- Heavy Vehicles

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
20:15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
20:30	0	1	0	0	1	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	3
20:45	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
Total	0	1	0	0	1	0	0	1	0	1	0	5	1	0	6	0	0	0	0	0	8
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:45	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	3
Total	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
22:00	0	0	0	0	0	1	0	0	0	1	0	1	2	0	3	0	0	0	0	0	4
22:15	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
22:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	1	0	0	1	2	0	0	0	2	0	2	2	0	4	0	0	0	0	0	7
23:00	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	3
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	4
Grand Total	12	263	0	0	275	17	1	8	0	26	4	279	21	0	304	0	3	2	0	5	610
Apprch %	4.4	95.6	0	0		65.4	3.8	30.8	0		1.3	91.8	6.9	0		0	60	40	0		
Total %	2	43.1	0	0	45.1	2.8	0.2	1.3	0	4.3	0.7	45.7	3.4	0	49.8	0	0.5	0.3	0	0.8	

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00																					
08:00	0	11	0	0	11	1	0	2	0	3	0	11	0	0	11	0	0	0	0	0	25
08:15	0	5	0	0	5	1	0	0	0	1	0	11	0	0	11	0	0	0	0	0	17
08:30	2	6	0	0	8	1	0	0	0	1	0	12	1	0	13	0	0	0	0	0	22
08:45	0	7	0	0	7	0	0	0	0	0	0	18	0	0	18	0	0	0	0	0	25
Total Volume	2	29	0	0	31	3	0	2	0	5	0	52	1	0	53	0	0	0	0	0	89
% App. Total	6.5	93.5	0	0		60	0	40	0		0	98.1	1.9	0		0	0	0	0		
PHF	.250	.659	.000	.000	.705	.750	.000	.250	.000	.417	.000	.722	.250	.000	.736	.000	.000	.000	.000	.000	.890

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	06:30					07:45					08:00					06:00				
+0 mins.	0	10	0	0	10	0	0	1	0	1	0	11	0	0	11	0	0	0	0	0
+15 mins.	0	5	0	0	5	1	0	2	0	3	0	11	0	0	11	0	0	0	0	0
+30 mins.	3	9	0	0	12	1	0	0	0	1	0	12	1	0	13	0	0	0	0	0
+45 mins.	0	12	0	0	12	1	0	0	0	1	0	18	0	0	18	0	2	0	0	2
Total Volume	3	36	0	0	39	3	0	3	0	6	0	52	1	0	53	0	2	0	0	2
% App. Total	7.7	92.3	0	0		50	0	50	0		0	98.1	1.9	0		0	100	0	0	
PHF	.250	.750	.000	.000	.813	.750	.000	.375	.000	.500	.000	.722	.250	.000	.736	.000	.250	.000	.000	.250

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 11

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

512-832-8650

File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

Site Code : 1

Start Date : 4/13/2023

Page No : 12

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	2
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	0	0	0	0	0	5
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

GRAM Traffic Counting, Inc.

3751 FM 1105, Bldg. A
Georgetown, Texas 78626

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File Name : Site 1 - Ed Schmidt Blvd & Lowe's Entrance

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Page No : 13

Groups Printed- Pedestrians

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	1	0	0	1	0	4	0	0	4	0	2	0	0	2	0	1	0	0	1	8
Apprch %	0	100	0	0		0	100	0	0		0	100	0	0		0	100	0	0		
Total %	0	12.5	0	0	12.5	0	50	0	0	50	0	25	0	0	25	0	12.5	0	0	12.5	

	Ed Schmidt Blvd Southbound					Home Depot Entrance Westbound					Ed Schmidt Blvd Northbound					Lowe's Entrance Eastbound					
Start Time	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Left	Thru	Right	U-TURN	App. Total	Int. Total
Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 15:45																					
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	2
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Total Volume	0	0	0	0	0	0	4	0	0	4	0	1	0	0	1	0	0	0	0	0	5
% App. Total	0	0	0	0		0	100	0	0		0	100	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.333	.000	.000	.333	.000	.250	.000	.000	.250	.000	.000	.000	.000	.000	.417

Peak Hour Analysis From 00:00 to 23:45 - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	17:45					15:45					09:00					12:00				
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	1	0	0	1	0	3	0	0	3	0	1	0	0	1	0	1	0	0	1
Total Volume	0	1	0	0	1	0	4	0	0	4	0	1	0	0	1	0	1	0	0	1
% App. Total	0	100	0	0		0	100	0	0		0	100	0	0		0	100	0	0	
PHF	.000	.250	.000	.000	.250	.000	.333	.000	.000	.333	.000	.250	.000	.000	.250	.000	.250	.000	.000	.250

APPENDIX C

Intersection						
Int Delay, s/veh	0.5					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	25	26	500	704	0
Future Vol, veh/h	0	25	26	500	704	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	150	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	27	28	543	765	0

Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	1364	765	765	0	-	0
Stage 1	765	-	-	-	-	-
Stage 2	599	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	163	403	848	-	-	-
Stage 1	459	-	-	-	-	-
Stage 2	549	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	158	403	848	-	-	-
Mov Cap-2 Maneuver	158	-	-	-	-	-
Stage 1	444	-	-	-	-	-
Stage 2	549	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	14.6	0.5	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	848	-	403	-	-
HCM Lane V/C Ratio	0.033	-	0.067	-	-
HCM Control Delay (s)	9.4	-	14.6	-	-
HCM Lane LOS	A	-	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.2	-	-

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

06/06/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	16	288	158	325	495	1	189	133	155	53	195	84
Future Volume (veh/h)	16	288	158	325	495	1	189	133	155	53	195	84
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	313	172	353	538	1	205	145	168	58	212	91
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	357	196	346	765	1	339	172	199	218	276	234
Arrive On Green	0.02	0.31	0.31	0.12	0.41	0.41	0.12	0.22	0.22	0.05	0.15	0.15
Sat Flow, veh/h	1781	1135	624	1781	1866	3	1781	790	915	1781	1870	1585
Grp Volume(v), veh/h	17	0	485	353	0	539	205	0	313	58	212	91
Grp Sat Flow(s),veh/h/ln	1781	0	1758	1781	0	1870	1781	0	1706	1781	1870	1585
Q Serve(g_s), s	0.5	0.0	20.4	9.0	0.0	18.7	7.3	0.0	13.7	2.1	8.5	4.1
Cycle Q Clear(g_c), s	0.5	0.0	20.4	9.0	0.0	18.7	7.3	0.0	13.7	2.1	8.5	4.1
Prop In Lane	1.00		0.35	1.00		0.00	1.00		0.54	1.00		1.00
Lane Grp Cap(c), veh/h	275	0	553	346	0	766	339	0	370	218	276	234
V/C Ratio(X)	0.06	0.00	0.88	1.02	0.00	0.70	0.60	0.00	0.85	0.27	0.77	0.39
Avail Cap(c_a), veh/h	446	0	766	346	0	814	339	0	524	342	575	487
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.3	0.0	25.3	20.3	0.0	19.1	23.6	0.0	29.3	26.7	32.0	30.1
Incr Delay (d2), s/veh	0.1	0.0	8.6	53.7	0.0	2.6	3.0	0.0	8.7	0.6	4.5	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	8.7	8.6	0.0	7.4	3.0	0.0	5.9	0.8	3.8	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	18.4	0.0	33.9	74.0	0.0	21.7	26.6	0.0	38.0	27.4	36.4	31.1
LnGrp LOS	B	A	C	F	A	C	C	A	D	C	D	C
Approach Vol, veh/h	502			892			518			361		
Approach Delay, s/veh	33.4			42.4			33.5			33.6		
Approach LOS	C			D			C			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	15.0	30.5	15.0	17.5	7.5	38.0	9.6	22.9				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	9.0	34.0	9.0	24.0	9.0	34.0	9.0	24.0				
Max Q Clear Time (g_c+I1), s	11.0	22.4	9.3	10.5	2.5	20.7	4.1	15.7				
Green Ext Time (p_c), s	0.0	2.1	0.0	1.0	0.0	2.5	0.0	1.0				
Intersection Summary												
HCM 6th Ctrl Delay	37.0											
HCM 6th LOS	D											

Intersection												
Int Delay, s/veh	2.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Vol, veh/h	10	5	9	34	6	57	3	459	79	79	634	16
Future Vol, veh/h	10	5	9	34	6	57	3	459	79	79	634	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	11	5	10	37	7	62	3	499	86	86	689	17

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1129	1461	353	1067	1426	293	706	0	0	585	0	0
Stage 1	870	870	-	548	548	-	-	-	-	-	-	-
Stage 2	259	591	-	519	878	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	159	128	643	176	134	703	888	-	-	986	-	-
Stage 1	313	367	-	488	515	-	-	-	-	-	-	-
Stage 2	723	493	-	508	364	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	130	116	643	156	122	703	888	-	-	986	-	-
Mov Cap-2 Maneuver	130	116	-	156	122	-	-	-	-	-	-	-
Stage 1	312	335	-	487	513	-	-	-	-	-	-	-
Stage 2	649	492	-	449	332	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	28.5		25.5		0.1		1	
HCM LOS	D		D					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	888	-	-	179	279	986	-
HCM Lane V/C Ratio	0.004	-	-	0.146	0.378	0.087	-
HCM Control Delay (s)	9.1	-	-	28.5	25.5	9	-
HCM Lane LOS	A	-	-	D	D	A	-
HCM 95th %tile Q(veh)	0	-	-	0.5	1.7	0.3	-

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

05/24/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	25	164	835	217	1	333	1337	98	1	405	360	301
Future Volume (vph)	25	164	835	217	1	333	1337	98	1	405	360	301
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1750	1583
Flt Permitted		0.95	1.00	1.00		0.17	1.00	1.00		0.10	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		628	3539	1583		173	1750	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	27	178	908	236	1	362	1453	107	1	440	391	327
RTOR Reduction (vph)	0	0	0	171	0	0	0	74	0	0	0	241
Lane Group Flow (vph)	0	205	908	65	0	363	1453	33	0	331	501	86
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		18.0	43.0	43.0		23.0	48.0	48.0		41.0	41.0	41.0
Effective Green, g (s)		18.0	43.0	43.0		23.0	48.0	48.0		41.0	41.0	41.0
Actuated g/C Ratio		0.12	0.28	0.28		0.15	0.31	0.31		0.26	0.26	0.26
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		205	979	438		92	1093	488		45	461	417
v/s Ratio Prot		0.12	0.26				c0.41				0.29	
v/s Ratio Perm				0.04		c0.58		0.02		c1.92		0.05
v/c Ratio		1.00	0.93	0.15		3.95	1.33	0.07		7.36	1.09	0.21
Uniform Delay, d1		68.7	54.7	42.4		66.2	53.7	37.9		57.2	57.2	44.5
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		62.9	15.8	0.7		1351.3	154.6	0.3		2905.6	67.4	0.2
Delay (s)		131.6	70.5	43.1		1417.5	208.3	38.2		2962.8	124.6	44.8
Level of Service		F	E	D		F	F	D		F	F	D
Approach Delay (s)			75.0				427.1				912.6	
Approach LOS			E				F				F	
Intersection Summary												
HCM 2000 Control Delay			388.9				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			3.62									
Actuated Cycle Length (s)			155.4				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			109.0%				ICU Level of Service			H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

05/24/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	107	343	297
Future Volume (vph)	107	343	297
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	116	373	323
RTOR Reduction (vph)	0	0	164
Lane Group Flow (vph)	116	373	159
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	21.4	21.4	21.4
Effective Green, g (s)	21.4	21.4	21.4
Actuated g/C Ratio	0.14	0.14	0.14
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	243	487	217
v/s Ratio Prot	0.07	0.11	
v/s Ratio Perm			0.10
v/c Ratio	0.48	0.77	0.73
Uniform Delay, d1	61.8	64.6	64.3
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	1.5	7.1	12.1
Delay (s)	63.3	71.7	76.3
Level of Service	E	E	E
Approach Delay (s)		72.3	
Approach LOS		E	
Intersection Summary			

Intersection						
Int Delay, s/veh	0.8					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	61	25	720	666	0
Future Vol, veh/h	0	61	25	720	666	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	150	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	66	27	783	724	0
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1561	724	724	0	-	0
Stage 1	724	-	-	-	-	-
Stage 2	837	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	123	426	879	-	-	-
Stage 1	480	-	-	-	-	-
Stage 2	425	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	119	426	879	-	-	-
Mov Cap-2 Maneuver	119	-	-	-	-	-
Stage 1	465	-	-	-	-	-
Stage 2	425	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	15	0.3		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	879	-	426	-	-	
HCM Lane V/C Ratio	0.031	-	0.156	-	-	
HCM Control Delay (s)	9.2	-	15	-	-	
HCM Lane LOS	A	-	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.5	-	-	

Intersection												
Int Delay, s/veh	89.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	17	11	46	57	37	146	35	582	258	164	513	51
Future Vol, veh/h	17	11	46	57	37	146	35	582	258	164	513	51
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	18	12	50	62	40	159	38	633	280	178	558	55
Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	1355	1931	307	1490	1818	457	613	0	0	913	0	0
Stage 1	942	942	-	849	849	-	-	-	-	-	-	-
Stage 2	413	989	-	641	969	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	108	65	689	86	77	551	962	-	-	742	-	-
Stage 1	283	340	-	322	375	-	-	-	-	-	-	-
Stage 2	587	323	-	430	330	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	26	47	689	~ 51	56	551	962	-	-	742	-	-
Mov Cap-2 Maneuver	26	47	-	~ 51	56	-	-	-	-	-	-	-
Stage 1	272	258	-	309	360	-	-	-	-	-	-	-
Stage 2	357	310	-	289	251	-	-	-	-	-	-	-
Approach	EB		WB		NB			SB				
HCM Control Delay, s	204.7		\$ 640.2		0.4			2.6				
HCM LOS	F		F									
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR					
Capacity (veh/h)	962	-	-	78	117	742	-	-				
HCM Lane V/C Ratio	0.04	-	-	1.031	2.23	0.24	-	-				
HCM Control Delay (s)	8.9	-	-	204.7	\$ 640.2	11.4	-	-				
HCM Lane LOS	A	-	-	F	F	B	-	-				
HCM 95th %tile Q(veh)	0.1	-	-	5.6	22.4	0.9	-	-				
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s			+: Computation Not Defined			*: All major volume in platoon				

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

05/23/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	20	216	1050	453	1	361	885	93	1	295	438	477
Future Volume (vph)	20	216	1050	453	1	361	885	93	1	295	438	477
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	1.00	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1762	1583
Flt Permitted		0.95	1.00	1.00		0.17	1.00	1.00		0.10	1.00	1.00
Satd. Flow (perm)		1770	3539	1583		628	3539	1583		173	1762	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	22	235	1141	492	1	392	962	101	1	321	476	518
RTOR Reduction (vph)	0	0	0	356	0	0	0	70	0	0	0	233
Lane Group Flow (vph)	0	257	1141	136	0	393	962	31	0	280	518	285
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		18.0	43.0	43.0		23.0	48.0	48.0		41.0	41.0	41.0
Effective Green, g (s)		18.0	43.0	43.0		23.0	48.0	48.0		41.0	41.0	41.0
Actuated g/C Ratio		0.12	0.28	0.28		0.15	0.31	0.31		0.26	0.26	0.26
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		204	974	436		92	1088	486		45	462	415
v/s Ratio Prot		0.15	c0.32				c0.27				0.29	
v/s Ratio Perm				0.09		c0.63		0.02		c1.62		0.18
v/c Ratio		1.26	1.17	0.31		4.27	0.88	0.06		6.22	1.12	0.69
Uniform Delay, d1		69.0	56.5	44.8		66.5	51.4	38.2		57.5	57.5	51.8
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		150.2	88.2	1.9		1497.4	10.5	0.3		2396.7	79.3	4.7
Delay (s)		219.3	144.8	46.7		1563.9	61.9	38.4		2454.3	136.9	56.4
Level of Service		F	F	D		F	E	D		F	F	E
Approach Delay (s)			129.3				465.7				598.3	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			325.7				HCM 2000 Level of Service				F	
HCM 2000 Volume to Capacity ratio			3.25									
Actuated Cycle Length (s)			156.1				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			102.3%				ICU Level of Service			G		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

05/23/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	133	395	167
Future Volume (vph)	133	395	167
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	145	429	182
RTOR Reduction (vph)	0	0	101
Lane Group Flow (vph)	145	429	81
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	22.1	22.1	22.1
Effective Green, g (s)	22.1	22.1	22.1
Actuated g/C Ratio	0.14	0.14	0.14
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	250	501	224
v/s Ratio Prot	0.08	0.12	
v/s Ratio Perm			0.05
v/c Ratio	0.58	0.86	0.36
Uniform Delay, d1	62.7	65.4	60.6
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	3.2	13.5	1.0
Delay (s)	65.9	78.9	61.6
Level of Service	E	E	E
Approach Delay (s)		72.3	
Approach LOS		E	
Intersection Summary			

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

06/06/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	361	125	250	340	29	162	153	349	90	226	33
Future Volume (veh/h)	15	361	125	250	340	29	162	153	349	90	226	33
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	16	392	136	272	370	32	176	166	379	98	246	36
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	325	371	129	307	665	58	388	147	335	167	466	395
Arrive On Green	0.02	0.28	0.28	0.13	0.39	0.39	0.09	0.29	0.29	0.05	0.25	0.25
Sat Flow, veh/h	1781	1327	460	1781	1697	147	1781	506	1156	1781	1870	1585
Grp Volume(v), veh/h	16	0	528	272	0	402	176	0	545	98	246	36
Grp Sat Flow(s),veh/h/ln	1781	0	1787	1781	0	1844	1781	0	1662	1781	1870	1585
Q Serve(g_s), s	0.6	0.0	27.0	10.4	0.0	16.4	7.0	0.0	28.0	3.9	11.0	1.7
Cycle Q Clear(g_c), s	0.6	0.0	27.0	10.4	0.0	16.4	7.0	0.0	28.0	3.9	11.0	1.7
Prop In Lane	1.00		0.26	1.00		0.08	1.00		0.70	1.00		1.00
Lane Grp Cap(c), veh/h	325	0	499	307	0	723	388	0	482	167	466	395
V/C Ratio(X)	0.05	0.00	1.06	0.89	0.00	0.56	0.45	0.00	1.13	0.59	0.53	0.09
Avail Cap(c_a), veh/h	385	0	499	369	0	725	407	0	482	167	466	395
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.2	0.0	34.8	24.5	0.0	22.8	24.0	0.0	34.3	28.0	31.4	27.9
Incr Delay (d2), s/veh	0.1	0.0	56.2	19.3	0.0	0.9	0.8	0.0	82.3	5.3	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	18.6	5.6	0.0	6.6	2.8	0.0	21.4	1.8	4.7	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.3	0.0	91.0	43.8	0.0	23.8	24.8	0.0	116.6	33.3	32.5	28.0
LnGrp LOS	C	A	F	D	A	C	C	A	F	C	C	C
Approach Vol, veh/h		544			674			721			380	
Approach Delay, s/veh		89.1			31.9			94.2			32.3	
Approach LOS		F			C			F			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	18.6	33.0	14.9	30.1	7.7	43.9	11.0	34.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	16.0	27.0	10.0	23.0	5.0	38.0	5.0	28.0				
Max Q Clear Time (g_c+I1), s	12.4	29.0	9.0	13.0	2.6	18.4	5.9	30.0				
Green Ext Time (p_c), s	0.3	0.0	0.0	0.9	0.0	2.0	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay			64.7									
HCM 6th LOS			E									

Queues

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

06/07/2023

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	205	908	236	363	1453	107	331	501	327	116	373	323
v/c Ratio	1.00	0.93	0.39	3.90	1.33	0.19	7.36	1.08	0.50	0.48	0.77	0.85
Control Delay	130.8	70.6	6.8	1351.5	196.5	5.7	2898.9	119.3	7.1	68.7	75.7	46.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	130.8	70.6	6.8	1351.5	196.5	5.7	2898.9	119.3	7.1	68.7	75.7	46.6
Queue Length 50th (ft)	~217	482	0	~347	~1020	0	~651	~609	0	110	195	139
Queue Length 95th (ft)	#392	#611	68	#455	#1160	38	#869	#851	81	179	255	#296
Internal Link Dist (ft)		1539			1321			1400			273	
Turn Bay Length (ft)	900		900	850		700	1000		750	170		100
Base Capacity (vph)	204	979	608	93	1092	570	45	462	658	262	523	396
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.00	0.93	0.39	3.90	1.33	0.19	7.36	1.08	0.50	0.44	0.71	0.82

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Queues

9: Ed Schmidt Blvd & Limmer Loop

06/07/2023



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	17	485	353	539	205	313	58	212	91
v/c Ratio	0.06	0.86	1.11	0.66	0.56	0.67	0.20	0.58	0.21
Control Delay	13.6	42.6	104.7	27.1	27.9	34.6	20.8	39.1	1.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	13.6	42.6	104.7	27.1	27.9	34.6	20.8	39.1	1.0
Queue Length 50th (ft)	5	231	~139	203	80	136	21	107	0
Queue Length 95th (ft)	17	#403	#370	#473	144	248	49	188	1
Internal Link Dist (ft)		723		1075		1186		1592	
Turn Bay Length (ft)	70		170		200		350		350
Base Capacity (vph)	368	728	318	826	366	525	331	529	567
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.67	1.11	0.65	0.56	0.60	0.18	0.40	0.16

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Queues

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

06/07/2023



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	267	1141	492	396	962	101	279	521	518	146	429	182
v/c Ratio	1.32	1.18	0.62	4.30	0.89	0.18	6.20	1.13	0.81	1.17	0.83	0.55
Control Delay	225.5	139.4	7.3	1526.3	63.1	4.8	2396.4	134.6	31.9	188.1	79.3	29.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	225.5	139.4	7.3	1526.3	63.1	4.8	2396.4	134.6	31.9	188.1	79.3	29.4
Queue Length 50th (ft)	~352	~734	0	~383	497	0	~533	~650	217	~177	228	59
Queue Length 95th (ft)	#541	#874	98	#495	#592	32	#740	#896	380	#328	#306	144
Internal Link Dist (ft)		1539			1321			1400			273	
Turn Bay Length (ft)	900		900	850		700	1000		750	170		100
Base Capacity (vph)	202	969	790	92	1081	565	45	460	642	125	518	332
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.32	1.18	0.62	4.30	0.89	0.18	6.20	1.13	0.81	1.17	0.83	0.55

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Queues

9: Ed Schmidt Blvd & Limmer Loop

06/07/2023



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	16	528	272	402	176	545	98	246	36
v/c Ratio	0.04	1.02	0.83	0.49	0.50	0.96	0.59	0.60	0.07
Control Delay	14.9	80.3	44.6	22.8	25.9	57.2	37.6	40.9	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	14.9	80.3	44.6	22.8	25.9	57.2	37.6	40.9	0.2
Queue Length 50th (ft)	5	~366	120	158	75	286	40	140	0
Queue Length 95th (ft)	16	#573	#245	294	125	#512	#83	221	0
Internal Link Dist (ft)		723		1075		1186		1592	
Turn Bay Length (ft)	70		170		200		350		350
Base Capacity (vph)	369	518	361	828	359	570	165	448	555
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.04	1.02	0.75	0.49	0.49	0.96	0.59	0.55	0.06

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	422	276	455	717	1	326	186	217	74	294	118
Future Volume (veh/h)	27	422	276	455	717	1	326	186	217	74	294	118
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	29	459	300	495	779	1	354	202	236	80	320	128
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	224	393	257	369	986	1	271	195	228	111	297	251
Arrive On Green	0.02	0.37	0.37	0.18	0.53	0.53	0.12	0.25	0.25	0.03	0.16	0.16
Sat Flow, veh/h	1781	1056	690	1781	1868	2	1781	786	919	1781	1870	1585
Grp Volume(v), veh/h	29	0	759	495	0	780	354	0	438	80	320	128
Grp Sat Flow(s),veh/h/ln	1781	0	1746	1781	0	1870	1781	0	1705	1781	1870	1585
Q Serve(g_s), s	1.4	0.0	54.0	26.0	0.0	49.0	18.0	0.0	36.0	5.0	23.0	10.7
Cycle Q Clear(g_c), s	1.4	0.0	54.0	26.0	0.0	49.0	18.0	0.0	36.0	5.0	23.0	10.7
Prop In Lane	1.00		0.40	1.00		0.00	1.00		0.54	1.00		1.00
Lane Grp Cap(c), veh/h	224	0	650	369	0	987	271	0	423	111	297	251
V/C Ratio(X)	0.13	0.00	1.17	1.34	0.00	0.79	1.31	0.00	1.03	0.72	1.08	0.51
Avail Cap(c_a), veh/h	243	0	650	369	0	987	271	0	423	111	297	251
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.4	0.0	45.5	49.3	0.0	27.7	44.7	0.0	54.5	52.9	61.0	55.8
Incr Delay (d2), s/veh	0.3	0.0	91.2	170.8	0.0	4.4	162.4	0.0	53.0	20.2	74.8	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.1	0.0	54.3	44.8	0.0	29.2	30.5	0.0	29.3	5.4	24.3	7.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	29.6	0.0	136.7	220.1	0.0	32.1	207.1	0.0	107.5	73.1	135.8	57.5
LnGrp LOS	C	A	F	F	A	C	F	A	F	E	F	E
Approach Vol, veh/h		788			1275			792			528	
Approach Delay, s/veh		132.7			105.1			152.0			107.3	
Approach LOS		F			F			F			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	32.0	60.0	24.0	29.0	9.4	82.6	11.0	42.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	26.0	54.0	18.0	23.0	5.0	75.0	5.0	36.0				
Max Q Clear Time (g_c+I1), s	28.0	56.0	20.0	25.0	3.4	51.0	7.0	38.0				
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay			122.9									
HCM 6th LOS			F									

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	525	243	350	505	41	330	214	489	126	363	46
Future Volume (veh/h)	26	525	243	350	505	41	330	214	489	126	363	46
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	28	571	264	380	549	45	359	233	532	137	395	50
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	233	401	185	283	748	61	311	168	383	123	477	404
Arrive On Green	0.02	0.33	0.33	0.13	0.44	0.44	0.12	0.33	0.33	0.04	0.26	0.26
Sat Flow, veh/h	1781	1210	560	1781	1705	140	1781	506	1156	1781	1870	1585
Grp Volume(v), veh/h	28	0	835	380	0	594	359	0	765	137	395	50
Grp Sat Flow(s),veh/h/ln	1781	0	1770	1781	0	1845	1781	0	1662	1781	1870	1585
Q Serve(g_s), s	1.5	0.0	48.0	19.0	0.0	38.6	17.0	0.0	48.0	6.0	28.9	3.5
Cycle Q Clear(g_c), s	1.5	0.0	48.0	19.0	0.0	38.6	17.0	0.0	48.0	6.0	28.9	3.5
Prop In Lane	1.00		0.32	1.00		0.08	1.00		0.70	1.00		1.00
Lane Grp Cap(c), veh/h	233	0	586	283	0	810	311	0	550	123	477	404
V/C Ratio(X)	0.12	0.00	1.43	1.34	0.00	0.73	1.15	0.00	1.39	1.11	0.83	0.12
Avail Cap(c_a), veh/h	265	0	586	283	0	810	311	0	550	123	477	404
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.6	0.0	48.5	48.0	0.0	33.7	39.9	0.0	48.5	48.6	51.0	41.5
Incr Delay (d2), s/veh	0.2	0.0	201.2	175.9	0.0	3.5	99.4	0.0	186.6	113.8	11.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	53.0	19.6	0.0	17.3	16.5	0.0	47.6	5.4	14.5	1.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.8	0.0	249.7	223.9	0.0	37.1	139.3	0.0	235.1	162.4	62.5	41.7
LnGrp LOS	C	A	F	F	A	D	F	A	F	F	E	D
Approach Vol, veh/h	863			974			1124			582		
Approach Delay, s/veh	242.7			110.0			204.5			84.2		
Approach LOS	F			F			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	25.0	54.0	23.0	43.0	9.4	69.6	12.0	54.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	19.0	48.0	17.0	37.0	6.0	61.0	6.0	48.0				
Max Q Clear Time (g_c+I1), s	21.0	50.0	19.0	30.9	3.5	40.6	8.0	50.0				
Green Ext Time (p_c), s	0.0	0.0	0.0	1.1	0.0	3.4	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay	168.1											
HCM 6th LOS	F											

HCM 6th TWSC
16: Ed Schmidt Blvd & Emory Farms Ave

08/15/2023

Intersection												
Int Delay, s/veh	173.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	29	4	140	57	19	38	61	710	38	29	1028	52
Future Vol, veh/h	29	4	140	57	19	38	61	710	38	29	1028	52
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	150	-	-	200	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	32	4	152	62	21	41	66	772	41	32	1117	57
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2166	2155	1146	2213	2163	793	1174	0	0	813	0	0
Stage 1	1210	1210	-	925	925	-	-	-	-	-	-	-
Stage 2	956	945	-	1288	1238	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	34	48	243	~ 31	47	389	595	-	-	814	-	-
Stage 1	223	255	-	323	348	-	-	-	-	-	-	-
Stage 2	310	340	-	201	248	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 24	41	243	~ 10	40	389	595	-	-	814	-	-
Mov Cap-2 Maneuver	133	175	-	~ 5	146	-	-	-	-	-	-	-
Stage 1	198	245	-	287	309	-	-	-	-	-	-	-
Stage 2	230	302	-	71	238	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	43.6			\$ 3282.7			0.9			0.3		
HCM LOS	E			F								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR		
Capacity (veh/h)	595	-	-	133	240	5	250	814	-	-		
HCM Lane V/C Ratio	0.111	-	-	0.237	0.652	12.391	0.248	0.039	-	-		
HCM Control Delay (s)	11.8	-	-	40.3	44.6	6541.3	24.1	9.6	-	-		
HCM Lane LOS	B	-	-	E	E	F	C	A	-	-		
HCM 95th %tile Q(veh)	0.4	-	-	0.9	4.1	9.6	0.9	0.1	-	-		
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s			+: Computation Not Defined				*: All major volume in platoon			

HCM 6th TWSC
16: Ed Schmidt Blvd & Emory Farms Ave

08/15/2023

Intersection												
Int Delay, s/veh	53											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	12	98	43	20	53	119	1028	121	66	808	63
Future Vol, veh/h	25	12	98	43	20	53	119	1028	121	66	808	63
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	150	-	-	200	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	27	13	107	47	22	58	129	1117	132	72	878	68

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2537	2563	912	2557	2531	1183	946	0	0	1249	0	0
Stage 1	1056	1056	-	1441	1441	-	-	-	-	-	-	-
Stage 2	1481	1507	-	1116	1090	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	~ 18	26	332	~ 18	27	231	725	-	-	557	-	-
Stage 1	272	302	-	165	198	-	-	-	-	-	-	-
Stage 2	156	184	-	252	291	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 9	19	332	~ 8	~ 19	231	725	-	-	557	-	-
Mov Cap-2 Maneuver	~ 10	72	-	~ 12	94	-	-	-	-	-	-	-
Stage 1	224	263	-	136	163	-	-	-	-	-	-	-
Stage 2	83	151	-	142	253	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	309.4	\$ 744.5	1	0.9
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	725	-	-	10	238	12	165	557	-	-
HCM Lane V/C Ratio	0.178	-	-	2.717	0.502	3.895	0.481	0.129	-	-
HCM Control Delay (s)	11	-	-	\$ 1519.2	34	\$ 1931.1	45.5	12.4	-	-
HCM Lane LOS	B	-	-	F	D	F	E	B	-	-
HCM 95th %tile Q(veh)	0.6	-	-	4.4	2.6	6.9	2.3	0.4	-	-

Notes												
~: Volume exceeds capacity	\$: Delay exceeds 300s	+: Computation Not Defined							*: All major volume in platoon			

Intersection												
Int Delay, s/veh	2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Vol, veh/h	14	7	13	38	7	64	4	665	88	88	1118	18
Future Vol, veh/h	14	7	13	38	7	64	4	665	88	88	1118	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	15	8	14	41	8	70	4	723	96	96	1215	20

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1791	2244	618	1583	2206	410	1235	0	0	819	0	0
Stage 1	1417	1417	-	779	779	-	-	-	-	-	-	-
Stage 2	374	827	-	804	1427	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	51	41	432	73	44	591	560	-	-	805	-	-
Stage 1	144	201	-	355	404	-	-	-	-	-	-	-
Stage 2	619	384	-	343	199	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	39	36	432	61	39	591	560	-	-	805	-	-
Mov Cap-2 Maneuver	131	145	-	213	151	-	-	-	-	-	-	-
Stage 1	143	177	-	353	401	-	-	-	-	-	-	-
Stage 2	532	381	-	280	175	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	29.4		22.1		0.1		0.7	
HCM LOS	D		C					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	560	-	-	184	327	805	-
HCM Lane V/C Ratio	0.008	-	-	0.201	0.362	0.119	-
HCM Control Delay (s)	11.5	-	-	29.4	22.1	10.1	-
HCM Lane LOS	B	-	-	D	C	B	-
HCM 95th %tile Q(veh)	0	-	-	0.7	1.6	0.4	-

Intersection												
Int Delay, s/veh	35.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕		↕	↕	
Traffic Vol, veh/h	24	15	64	64	41	164	49	887	289	184	718	57
Future Vol, veh/h	24	15	64	64	41	164	49	887	289	184	718	57
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	26	16	70	70	45	178	53	964	314	200	780	62

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1822	2595	421	2025	2469	639	842	0	0	1278	0	0
Stage 1	1211	1211	-	1227	1227	-	-	-	-	-	-	-
Stage 2	611	1384	-	798	1242	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	48	25	581	~ 34	~ 30	419	789	-	-	539	-	-
Stage 1	193	253	-	189	249	-	-	-	-	-	-	-
Stage 2	448	209	-	346	245	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	~ 12	~ 15	581	74	~ 18	419	789	-	-	539	-	-
Mov Cap-2 Maneuver	~ -5	~ -4	-	108	88	-	-	-	-	-	-	-
Stage 1	180	159	-	176	232	-	-	-	-	-	-	-
Stage 2	194	195	-	172	154	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s		\$ 327	0.4	3
HCM LOS	-	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	789	-	-	+ 186	539	-	-
HCM Lane V/C Ratio	0.068	-	-	- 1.572	0.371	-	-
HCM Control Delay (s)	9.9	-	-	- \$ 327	15.6	-	-
HCM Lane LOS	A	-	-	- F	C	-	-
HCM 95th %tile Q(veh)	0.2	-	-	- 19.1	1.7	-	-

Notes			
~: Volume exceeds capacity	\$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	35	230	1169	304	1	466	1872	137	1	567	504	421
Future Volume (vph)	35	230	1169	304	1	466	1872	137	1	567	504	421
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1747	1583
Flt Permitted		0.95	1.00	1.00		0.57	1.00	1.00		0.09	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		2065	3539	1583		165	1747	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	38	250	1271	330	1	507	2035	149	1	616	548	458
RTOR Reduction (vph)	0	0	0	235	0	0	0	106	0	0	0	107
Lane Group Flow (vph)	0	288	1271	95	0	508	2035	43	0	420	745	351
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		7.0	33.0	33.0		7.0	33.0	33.0		43.0	43.0	43.0
Effective Green, g (s)		7.0	33.0	33.0		7.0	33.0	33.0		43.0	43.0	43.0
Actuated g/C Ratio		0.06	0.29	0.29		0.06	0.29	0.29		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		107	1015	454		125	1015	454		61	653	591
v/s Ratio Prot		0.16	0.36				c0.57				0.43	
v/s Ratio Perm				0.06		c0.25		0.03		c2.55		0.22
v/c Ratio		2.69	1.25	0.21		4.06	2.00	0.09		6.89	1.14	0.59
Uniform Delay, d1		54.0	41.0	31.1		54.0	41.0	30.0		36.0	36.0	29.0
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		787.1	121.7	1.0		1397.6	455.7	0.4		2682.4	80.9	1.6
Delay (s)		841.1	162.7	32.1		1451.6	496.7	30.5		2718.4	116.9	30.6
Level of Service		F	F	C		F	F	C		F	F	C
Approach Delay (s)			243.3				651.1				765.8	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			665.7			HCM 2000 Level of Service				F		
HCM 2000 Volume to Capacity ratio			4.65									
Actuated Cycle Length (s)			115.0			Sum of lost time (s)				27.0		
Intersection Capacity Utilization			143.7%			ICU Level of Service				H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	150	480	416
Future Volume (vph)	150	480	416
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	163	522	452
RTOR Reduction (vph)	0	0	154
Lane Group Flow (vph)	163	522	298
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	5.0	5.0	5.0
Effective Green, g (s)	5.0	5.0	5.0
Actuated g/C Ratio	0.04	0.04	0.04
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	76	153	68
v/s Ratio Prot	0.09	0.15	
v/s Ratio Perm			c0.19
v/c Ratio	2.14	3.41	4.38
Uniform Delay, d1	55.0	55.0	55.0
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	556.2	1101.7	1555.6
Delay (s)	611.2	1156.7	1610.6
Level of Service	F	F	F
Approach Delay (s)		1258.9	
Approach LOS		F	
Intersection Summary			

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	41	302	1470	634	6	505	1239	130	4	413	613	668
Future Volume (vph)	41	302	1470	634	6	505	1239	130	4	413	613	668
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1756	1583
Flt Permitted		0.95	1.00	1.00		0.80	1.00	1.00		0.09	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		2891	3539	1583		165	1756	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	45	328	1598	689	7	549	1347	141	4	449	666	726
RTOR Reduction (vph)	0	0	0	479	0	0	0	98	0	0	0	107
Lane Group Flow (vph)	0	373	1598	210	0	556	1347	43	0	332	787	619
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Effective Green, g (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Actuated g/C Ratio		0.04	0.30	0.30		0.04	0.30	0.30		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		76	1077	481		125	1077	481		61	656	591
v/s Ratio Prot		c0.21	c0.45				0.38				0.45	
v/s Ratio Perm				0.13		0.19		0.03		c2.02		0.39
v/c Ratio		4.91	1.48	0.44		4.45	1.25	0.09		5.44	1.20	1.05
Uniform Delay, d1		55.0	40.0	32.1		55.0	40.0	28.6		36.0	36.0	36.0
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		1787.8	222.7	2.9		1570.0	120.6	0.4		2034.7	104.1	50.0
Delay (s)		1842.8	262.7	34.9		1625.0	160.6	29.0		2070.7	140.1	86.0
Level of Service		F	F	C		F	F	C		F	F	F
Approach Delay (s)			425.3				549.9				466.2	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			558.8			HCM 2000 Level of Service				F		
HCM 2000 Volume to Capacity ratio			3.72									
Actuated Cycle Length (s)			115.0			Sum of lost time (s)				27.0		
Intersection Capacity Utilization			134.4%			ICU Level of Service				H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBU	SBL	SBT	SBR
Lane Configurations		←	↑↑	↗
Traffic Volume (vph)	1	186	553	234
Future Volume (vph)	1	186	553	234
Ideal Flow (vphpl)	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0
Lane Util. Factor		1.00	0.95	1.00
Frt		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00
Satd. Flow (prot)		1770	3539	1583
Flt Permitted		0.80	1.00	1.00
Satd. Flow (perm)		1490	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92
Adj. Flow (vph)	1	202	601	254
RTOR Reduction (vph)	0	0	0	154
Lane Group Flow (vph)	0	203	601	100
Turn Type	Perm	Split	NA	Perm
Protected Phases		4	4	
Permitted Phases	4			4
Actuated Green, G (s)		5.0	5.0	5.0
Effective Green, g (s)		5.0	5.0	5.0
Actuated g/C Ratio		0.04	0.04	0.04
Clearance Time (s)		7.0	7.0	7.0
Vehicle Extension (s)		3.0	3.0	3.0
Lane Grp Cap (vph)		64	153	68
v/s Ratio Prot		c0.17		
v/s Ratio Perm		0.14		0.06
v/c Ratio		3.17	3.93	1.47
Uniform Delay, d1		55.0	55.0	55.0
Progression Factor		1.00	1.00	1.00
Incremental Delay, d2		1016.8	1333.2	275.4
Delay (s)		1071.8	1388.2	330.4
Level of Service		F	F	F
Approach Delay (s)		1073.6		
Approach LOS		F		
Intersection Summary				

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	33	507	331	546	860	2	391	223	260	89	353	141
Future Volume (veh/h)	33	507	331	546	860	2	391	223	260	89	353	141
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	36	551	360	593	935	2	425	242	283	97	384	153
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	101	379	247	357	941	2	271	206	241	123	335	284
Arrive On Green	0.03	0.36	0.36	0.17	0.50	0.50	0.12	0.26	0.26	0.04	0.18	0.18
Sat Flow, veh/h	1781	1056	690	1781	1866	4	1781	786	919	1781	1870	1585
Grp Volume(v), veh/h	36	0	911	593	0	937	425	0	525	97	384	153
Grp Sat Flow(s),veh/h/ln	1781	0	1746	1781	0	1870	1781	0	1705	1781	1870	1585
Q Serve(g_s), s	1.8	0.0	52.0	25.0	0.0	72.2	18.0	0.0	38.0	6.0	26.0	12.7
Cycle Q Clear(g_c), s	1.8	0.0	52.0	25.0	0.0	72.2	18.0	0.0	38.0	6.0	26.0	12.7
Prop In Lane	1.00		0.40	1.00		0.00	1.00		0.54	1.00		1.00
Lane Grp Cap(c), veh/h	101	0	626	357	0	943	271	0	447	123	335	284
V/C Ratio(X)	0.36	0.00	1.45	1.66	0.00	0.99	1.57	0.00	1.17	0.79	1.14	0.54
Avail Cap(c_a), veh/h	128	0	626	357	0	943	271	0	447	123	335	284
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.3	0.0	46.5	49.1	0.0	35.7	43.7	0.0	53.5	50.5	59.5	54.0
Incr Delay (d2), s/veh	2.1	0.0	213.5	310.1	0.0	27.5	273.5	0.0	100.0	27.7	94.5	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	58.6	42.9	0.0	37.6	28.3	0.0	28.1	3.8	20.7	5.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.4	0.0	260.0	359.2	0.0	63.2	317.2	0.0	153.5	78.2	154.0	56.1
LnGrp LOS	D	A	F	F	A	E	F	A	F	E	F	E
Approach Vol, veh/h	947			1530			950			634		
Approach Delay, s/veh	251.6			177.9			226.7			118.8		
Approach LOS	F			F			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	31.0	58.0	24.0	32.0	9.8	79.2	12.0	44.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	25.0	52.0	18.0	26.0	6.0	71.0	6.0	38.0				
Max Q Clear Time (g_c+I1), s	27.0	54.0	20.0	28.0	3.8	74.2	8.0	40.0				
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay	197.3											
HCM 6th LOS	F											

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	630	292	420	606	49	396	257	586	151	436	151
Future Volume (veh/h)	31	630	292	420	606	49	396	257	586	151	436	151
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	34	685	317	457	659	53	430	279	637	164	474	164
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	165	417	193	271	757	61	248	157	359	148	477	404
Arrive On Green	0.03	0.34	0.34	0.12	0.44	0.44	0.11	0.31	0.31	0.06	0.26	0.26
Sat Flow, veh/h	1781	1210	560	1781	1708	137	1781	506	1156	1781	1870	1585
Grp Volume(v), veh/h	34	0	1002	457	0	712	430	0	916	164	474	164
Grp Sat Flow(s),veh/h/ln	1781	0	1770	1781	0	1846	1781	0	1662	1781	1870	1585
Q Serve(g_s), s	1.8	0.0	50.0	18.0	0.0	50.7	16.0	0.0	45.0	8.0	36.7	12.5
Cycle Q Clear(g_c), s	1.8	0.0	50.0	18.0	0.0	50.7	16.0	0.0	45.0	8.0	36.7	12.5
Prop In Lane	1.00		0.32	1.00		0.07	1.00		0.70	1.00		1.00
Lane Grp Cap(c), veh/h	165	0	610	271	0	818	248	0	516	148	477	404
V/C Ratio(X)	0.21	0.00	1.64	1.69	0.00	0.87	1.73	0.00	1.78	1.11	0.99	0.41
Avail Cap(c_a), veh/h	192	0	610	271	0	818	248	0	516	148	477	404
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.1	0.0	47.5	48.1	0.0	36.6	44.2	0.0	50.0	45.3	53.9	44.9
Incr Delay (d2), s/veh	0.6	0.0	296.3	325.0	0.0	10.0	346.4	0.0	356.8	106.1	39.3	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	71.3	29.9	0.0	23.9	30.0	0.0	69.1	8.2	21.7	4.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.7	0.0	343.8	373.1	0.0	46.6	390.5	0.0	406.8	151.4	93.2	45.5
LnGrp LOS	C	A	F	F	A	D	F	A	F	F	F	D
Approach Vol, veh/h	1036				1169				1346			
Approach Delay, s/veh	333.6				174.3				401.6			
Approach LOS	F				F				F			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	24.0	56.0	22.0	43.0	9.7	70.3	14.0	51.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	18.0	50.0	16.0	37.0	6.0	62.0	8.0	45.0				
Max Q Clear Time (g_c+I1), s	20.0	52.0	18.0	38.7	3.8	52.7	10.0	47.0				
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay	268.0											
HCM 6th LOS	F											

HCM 6th TWSC
16: Ed Schmidt Blvd & Emory Farms Ave

08/15/2023

Intersection												
Int Delay, s/veh	10.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	35	5	168	68	22	46	73	852	46	35	1234	62
Future Vol, veh/h	35	5	168	68	22	46	73	852	46	35	1234	62
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	150	-	-	200	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	38	5	183	74	24	50	79	926	50	38	1341	67
Major/Minor	Minor2		Minor1			Major1			Major2			
Conflicting Flow All	2597	2585	1375	2654	2593	951	1408	0	0	976	0	0
Stage 1	1451	1451	-	1109	1109	-	-	-	-	-	-	-
Stage 2	1146	1134	-	1545	1484	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	~ 17	25	~ 178	~ 15	25	315	485	-	-	707	-	-
Stage 1	162	196	-	254	285	-	-	-	-	-	-	-
Stage 2	242	278	-	143	188	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	~ 10	20	~ 178	-	~ 20	315	485	-	-	707	-	-
Mov Cap-2 Maneuver	82	126	-	~ -63	87	-	-	-	-	-	-	-
Stage 1	136	185	-	213	239	-	-	-	-	-	-	-
Stage 2	153	233	-	-	178	-	-	-	-	-	-	-
Approach	EB		WB			NB			SB			
HCM Control Delay, s	131.3					1			0.3			
HCM LOS	F											
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR		
Capacity (veh/h)	485	-	-	82	176	-	170	707	-	-		
HCM Lane V/C Ratio	0.164	-	-	0.464	1.068	-	0.435	0.054	-	-		
HCM Control Delay (s)	13.9	-	-	82.3	141.2	-	41.5	10.4	-	-		
HCM Lane LOS	B	-	-	F	F	-	E	B	-	-		
HCM 95th %tile Q(veh)	0.6	-	-	1.9	9.2	-	2	0.2	-	-		
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s			+: Computation Not Defined				*: All major volume in platoon			

HCM 6th TWSC
16: Ed Schmidt Blvd & Emory Farms Ave

08/15/2023

Intersection												
Int Delay, s/veh	1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	14	118	43	20	53	143	1234	145	79	969	76
Future Vol, veh/h	30	14	118	43	20	53	143	1234	145	79	969	76
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	0	-	-	0	-	-	150	-	-	200	-	-
Veh in Median Storage, #	-	2	-	-	2	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	33	15	128	47	22	58	155	1341	158	86	1053	83
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	3037	3076	1095	3068	3038	1420	1136	0	0	1499	0	0
Stage 1	1267	1267	-	1730	1730	-	-	-	-	-	-	-
Stage 2	1770	1809	-	1338	1308	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	~ 8	~ 12	260	~ 7	~ 13	167	615	-	-	447	-	-
Stage 1	207	240	-	112	143	-	-	-	-	-	-	-
Stage 2	106	130	-	189	229	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	~ 1	~ 7	260	-	~ 8	167	615	-	-	447	-	-
Mov Cap-2 Maneuver	~ -38	~ 10	-	~ -3	28	-	-	-	-	-	-	-
Stage 1	155	194	-	84	107	-	-	-	-	-	-	-
Stage 2	41	97	-	71	185	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s					1.2		1.1					
HCM LOS	-		-									
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR		
Capacity (veh/h)	615	-	-	+	71	-	71	447	-	-		
HCM Lane V/C Ratio	0.253	-	-	-	2.021	-	1.118	0.192	-	-		
HCM Control Delay (s)	12.8	-	-	-	\$ 599.8	-	244	15	-	-		
HCM Lane LOS	B	-	-	-	F	-	F	B	-	-		
HCM 95th %tile Q(veh)	1	-	-	-	13.2	-	6	0.7	-	-		
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s			+: Computation Not Defined				*: All major volume in platoon			

Intersection												
Int Delay, s/veh	71.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↙	↕↗		↙	↕↗	
Traffic Vol, veh/h	17	8	15	48	8	77	5	798	106	106	1342	22
Future Vol, veh/h	17	8	15	48	8	77	5	798	106	106	1342	22
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	18	9	16	52	9	84	5	867	115	115	1459	24
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2149	2693	742	1899	2648	491	1483	0	0	982	0	0
Stage 1	1701	1701	-	935	935	-	-	-	-	-	-	-
Stage 2	448	992	-	964	1713	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	27	21	358	~ 42	23	523	450	-	-	699	-	-
Stage 1	95	146	-	285	342	-	-	-	-	-	-	-
Stage 2	560	322	-	274	144	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 13	17	358	~ 21	19	523	450	-	-	699	-	-
Mov Cap-2 Maneuver	~ 13	17	-	~ 21	19	-	-	-	-	-	-	-
Stage 1	94	122	-	282	338	-	-	-	-	-	-	-
Stage 2	453	318	-	203	120	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s\$	828.5		\$ 1118		0.1		0.8					
HCM LOS	F		F									
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR					
Capacity (veh/h)	450	-	-	22 47	699	-	-					
HCM Lane V/C Ratio	0.012	-	-	1.976 3.076	0.165	-	-					
HCM Control Delay (s)	13.1	-	-	\$ 828.5\$ 1118	11.2	-	-					
HCM Lane LOS	B	-	-	F F	B	-	-					
HCM 95th %tile Q(veh)	0	-	-	5.6 15.7	0.6	-	-					
Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	1.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↵	↕↕		↵	↕↕	
Traffic Vol, veh/h	29	18	77	77	50	196	59	1064	347	220	862	69
Future Vol, veh/h	29	18	77	77	50	196	59	1064	347	220	862	69
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	70	-	-	70	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	32	20	84	84	54	213	64	1157	377	239	937	75
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2187	3115	506	2431	2964	767	1012	0	0	1534	0	0
Stage 1	1453	1453	-	1474	1474	-	-	-	-	-	-	-
Stage 2	734	1662	-	957	1490	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	~ 25	~ 11	512	~ 16	~ 14	345	681	-	-	430	-	-
Stage 1	137	194	-	133	189	-	-	-	-	-	-	-
Stage 2	378	153	-	277	186	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	~ 4	512	-	~ 6	345	681	-	-	430	-	-
Mov Cap-2 Maneuver	-	~ 4	-	-	~ 6	-	-	-	-	-	-	-
Stage 1	124	86	-	120	171	-	-	-	-	-	-	-
Stage 2	89	139	-	~ 80	83	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s					0.4		4.5					
HCM LOS	-		-									
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	681	-	-	-	-	430	-	-				
HCM Lane V/C Ratio	0.094	-	-	-	-	0.556	-	-				
HCM Control Delay (s)	10.8	-	-	-	-	23.4	-	-				
HCM Lane LOS	B	-	-	-	-	C	-	-				
HCM 95th %tile Q(veh)	0.3	-	-	-	-	3.3	-	-				
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined				*: All major volume in platoon				

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	42	276	1403	365	2	559	2246	165	2	680	605	506
Future Volume (vph)	42	276	1403	365	2	559	2246	165	2	680	605	506
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1744	1583
Flt Permitted		0.95	1.00	1.00		0.80	1.00	1.00		0.10	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		2891	3539	1583		169	1744	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	46	300	1525	397	2	608	2441	179	2	739	658	550
RTOR Reduction (vph)	0	0	0	273	0	0	0	123	0	0	0	109
Lane Group Flow (vph)	0	346	1525	124	0	610	2441	56	0	468	931	441
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		5.0	36.0	36.0		5.0	36.0	36.0		42.0	42.0	42.0
Effective Green, g (s)		5.0	36.0	36.0		5.0	36.0	36.0		42.0	42.0	42.0
Actuated g/C Ratio		0.04	0.31	0.31		0.04	0.31	0.31		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		76	1107	495		125	1107	495		61	636	578
v/s Ratio Prot		0.20	0.43				c0.69				0.53	
v/s Ratio Perm				0.08		c0.21		0.04		c2.78		0.28
v/c Ratio		4.55	1.38	0.25		4.88	2.21	0.11		7.67	1.46	0.76
Uniform Delay, d1		55.0	39.5	29.4		55.0	39.5	28.1		36.5	36.5	32.1
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		1628.5	175.7	1.2		1763.9	545.2	0.5		3036.0	217.3	5.9
Delay (s)		1683.5	215.2	30.7		1818.9	584.7	28.6		3072.5	253.8	38.1
Level of Service		F	F	C		F	F	C		F	F	D
Approach Delay (s)			406.9				787.0				869.8	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			842.9			HCM 2000 Level of Service				F		
HCM 2000 Volume to Capacity ratio			5.12									
Actuated Cycle Length (s)			115.0			Sum of lost time (s)				27.0		
Intersection Capacity Utilization			167.9%			ICU Level of Service				H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	180	576	499
Future Volume (vph)	180	576	499
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	196	626	542
RTOR Reduction (vph)	0	0	154
Lane Group Flow (vph)	196	626	388
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	5.0	5.0	5.0
Effective Green, g (s)	5.0	5.0	5.0
Actuated g/C Ratio	0.04	0.04	0.04
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	76	153	68
v/s Ratio Prot	0.11	0.18	
v/s Ratio Perm			c0.25
v/c Ratio	2.58	4.09	5.71
Uniform Delay, d1	55.0	55.0	55.0
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	747.3	1406.6	2149.3
Delay (s)	802.3	1461.6	2204.3
Level of Service	F	F	F
Approach Delay (s)		1662.0	
Approach LOS		F	
Intersection Summary			

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	49	363	1764	761	7	606	1487	156	5	496	736	801
Future Volume (vph)	49	363	1764	761	7	606	1487	156	5	496	736	801
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.95	0.95	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1681	1752	1583
Flt Permitted		0.95	1.00	1.00		0.80	1.00	1.00		0.09	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		2891	3539	1583		165	1752	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	53	395	1917	827	8	659	1616	170	5	539	800	871
RTOR Reduction (vph)	0	0	0	575	0	0	0	112	0	0	0	107
Lane Group Flow (vph)	0	448	1917	252	0	667	1616	58	0	345	999	764
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Effective Green, g (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Actuated g/C Ratio		0.04	0.30	0.30		0.04	0.30	0.30		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		76	1077	481		125	1077	481		61	655	591
v/s Ratio Prot		c0.25	c0.54				0.46				0.57	
v/s Ratio Perm				0.16		0.23		0.04		c2.10		0.48
v/c Ratio		5.89	1.78	0.52		5.34	1.50	0.12		5.66	1.53	1.29
Uniform Delay, d1		55.0	40.0	33.1		55.0	40.0	28.9		36.0	36.0	36.0
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		2230.8	354.7	4.0		1968.8	230.1	0.5		2130.3	244.1	144.0
Delay (s)		2285.8	394.7	37.1		2023.8	270.1	29.4		2166.3	280.1	180.0
Level of Service		F	F	D		F	F	C		F	F	F
Approach Delay (s)			567.5				730.3				534.5	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			720.0			HCM 2000 Level of Service				F		
HCM 2000 Volume to Capacity ratio			4.04									
Actuated Cycle Length (s)			115.0			Sum of lost time (s)				27.0		
Intersection Capacity Utilization			156.7%			ICU Level of Service				H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBU	SBL	SBT	SBR
Lane Configurations				
Traffic Volume (vph)	2	223	664	281
Future Volume (vph)	2	223	664	281
Ideal Flow (vphpl)	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0
Lane Util. Factor		1.00	0.95	1.00
Frt		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00
Satd. Flow (prot)		1770	3539	1583
Flt Permitted		0.80	1.00	1.00
Satd. Flow (perm)		1490	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	242	722	305
RTOR Reduction (vph)	0	0	0	154
Lane Group Flow (vph)	0	244	722	151
Turn Type	Perm	Split	NA	Perm
Protected Phases		4	4	
Permitted Phases	4			4
Actuated Green, G (s)		5.0	5.0	5.0
Effective Green, g (s)		5.0	5.0	5.0
Actuated g/C Ratio		0.04	0.04	0.04
Clearance Time (s)		7.0	7.0	7.0
Vehicle Extension (s)		3.0	3.0	3.0
Lane Grp Cap (vph)		64	153	68
v/s Ratio Prot		c0.20		
v/s Ratio Perm		0.16		0.10
v/c Ratio		3.81	4.72	2.22
Uniform Delay, d1		55.0	55.0	55.0
Progression Factor		1.00	1.00	1.00
Incremental Delay, d2		1302.7	1688.3	593.8
Delay (s)		1357.7	1743.3	648.8
Level of Service		F	F	F
Approach Delay (s)		1406.6		
Approach LOS		F		
Intersection Summary				

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	422	276	455	717	1	326	186	217	74	294	118
Future Volume (veh/h)	27	422	276	455	717	1	326	186	217	74	294	118
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	29	459	300	495	779	1	354	202	236	80	320	128
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	285	896	399	868	1293	2	721	724	323	348	522	233
Arrive On Green	0.03	0.25	0.25	0.13	0.35	0.35	0.11	0.20	0.20	0.06	0.15	0.15
Sat Flow, veh/h	1781	3554	1585	3456	3642	5	3456	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	29	459	300	495	380	400	354	202	236	80	320	128
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1728	1777	1870	1728	1777	1585	1781	1777	1585
Q Serve(g_s), s	0.8	7.5	11.9	6.6	11.9	11.9	5.7	3.3	9.5	2.5	5.7	5.1
Cycle Q Clear(g_c), s	0.8	7.5	11.9	6.6	11.9	11.9	5.7	3.3	9.5	2.5	5.7	5.1
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	285	896	399	868	631	664	721	724	323	348	522	233
V/C Ratio(X)	0.10	0.51	0.75	0.57	0.60	0.60	0.49	0.28	0.73	0.23	0.61	0.55
Avail Cap(c_a), veh/h	361	1515	676	964	914	962	733	1358	606	377	1202	536
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.0	21.9	23.5	14.6	18.0	18.0	21.0	22.9	25.3	22.5	27.2	26.9
Incr Delay (d2), s/veh	0.2	0.5	2.9	0.7	0.9	0.9	0.5	0.2	3.2	0.3	1.2	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	2.8	4.1	2.2	4.2	4.4	2.1	1.2	3.4	1.0	2.2	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	18.1	22.3	26.3	15.3	18.9	18.9	21.5	23.1	28.5	22.9	28.4	28.9
LnGrp LOS	B	C	C	B	B	B	C	C	C	C	C	C
Approach Vol, veh/h	788			1275			792			528		
Approach Delay, s/veh	23.7			17.5			24.0			27.7		
Approach LOS	C			B			C			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	15.1	23.1	13.8	16.0	8.1	30.1	9.9	19.9				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	11.0	29.0	8.0	23.0	5.0	35.0	5.0	26.0				
Max Q Clear Time (g_c+I1), s	8.6	13.9	7.7	7.7	2.8	13.9	4.5	11.5				
Green Ext Time (p_c), s	0.5	3.3	0.0	1.9	0.0	4.2	0.0	1.6				
Intersection Summary												
HCM 6th Ctrl Delay	22.0											
HCM 6th LOS	C											

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	525	243	350	505	41	330	214	489	126	363	46
Future Volume (veh/h)	26	525	243	350	505	41	330	214	489	126	363	46
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	28	571	264	380	549	45	359	233	532	137	395	50
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	270	797	355	631	999	82	851	1150	513	387	1065	475
Arrive On Green	0.03	0.22	0.22	0.10	0.30	0.30	0.08	0.32	0.32	0.06	0.30	0.30
Sat Flow, veh/h	1781	3554	1585	3456	3326	272	3456	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	28	571	264	380	293	301	359	233	532	137	395	50
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1728	1777	1821	1728	1777	1585	1781	1777	1585
Q Serve(g_s), s	1.0	12.4	12.9	6.7	11.5	11.6	6.0	4.0	27.0	4.5	7.3	1.9
Cycle Q Clear(g_c), s	1.0	12.4	12.9	6.7	11.5	11.6	6.0	4.0	27.0	4.5	7.3	1.9
Prop In Lane	1.00		1.00	1.00		0.15	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	270	797	355	631	533	547	851	1150	513	387	1065	475
V/C Ratio(X)	0.10	0.72	0.74	0.60	0.55	0.55	0.42	0.20	1.04	0.35	0.37	0.11
Avail Cap(c_a), veh/h	326	1278	570	642	724	742	851	1150	513	387	1065	475
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.8	29.9	30.1	21.4	24.5	24.5	18.1	20.4	28.2	18.6	23.0	21.1
Incr Delay (d2), s/veh	0.2	1.2	3.1	1.5	0.9	0.9	0.3	0.1	49.7	0.5	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	5.0	4.8	2.5	4.5	4.6	2.1	1.5	16.1	1.7	2.7	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.0	31.1	33.2	22.9	25.3	25.3	18.4	20.5	77.9	19.1	23.2	21.2
LnGrp LOS	C	C	C	C	C	C	B	C	F	B	C	C
Approach Vol, veh/h	863				974				1124			
Approach Delay, s/veh	31.5				24.4				47.0			
Approach LOS	C				C				D			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	14.7	24.7	13.0	31.0	8.4	31.0	11.0	33.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	9.0	30.0	7.0	25.0	5.0	34.0	5.0	27.0				
Max Q Clear Time (g_c+I1), s	8.7	14.9	8.0	9.3	3.0	13.6	6.5	29.0				
Green Ext Time (p_c), s	0.1	3.8	0.0	2.0	0.0	3.0	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay	32.9											
HCM 6th LOS	C											

HCM 6th Signalized Intersection Summary 16: Ed Schmidt Blvd & Emory Farms Ave/Live Oak

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	29	4	140	57	19	38	61	710	38	29	1028	52
Future Volume (veh/h)	29	4	140	57	19	38	61	710	38	29	1028	52
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	32	4	152	62	21	41	66	772	41	32	1117	57
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	359	7	285	271	104	203	363	1683	89	449	1600	82
Arrive On Green	0.18	0.18	0.18	0.18	0.18	0.18	0.06	0.49	0.49	0.04	0.46	0.46
Sat Flow, veh/h	1340	41	1550	1231	566	1105	1781	3432	182	1781	3440	175
Grp Volume(v), veh/h	32	0	156	62	0	62	66	400	413	32	577	597
Grp Sat Flow(s),veh/h/ln	1340	0	1591	1231	0	1671	1781	1777	1838	1781	1777	1839
Q Serve(g_s), s	1.0	0.0	4.1	2.2	0.0	1.5	0.8	6.9	6.9	0.4	12.0	12.0
Cycle Q Clear(g_c), s	2.4	0.0	4.1	6.4	0.0	1.5	0.8	6.9	6.9	0.4	12.0	12.0
Prop In Lane	1.00		0.97	1.00		0.66	1.00		0.10	1.00		0.10
Lane Grp Cap(c), veh/h	359	0	292	271	0	307	363	871	901	449	826	855
V/C Ratio(X)	0.09	0.00	0.53	0.23	0.00	0.20	0.18	0.46	0.46	0.07	0.70	0.70
Avail Cap(c_a), veh/h	673	0	666	560	0	699	502	1582	1636	594	1544	1598
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.2	0.0	17.2	20.1	0.0	16.1	7.2	7.8	7.8	6.3	9.9	9.9
Incr Delay (d2), s/veh	0.1	0.0	1.5	0.4	0.0	0.3	0.2	0.4	0.4	0.1	1.1	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.5	0.6	0.0	0.5	0.2	1.5	1.6	0.1	2.9	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	17.3	0.0	18.7	20.5	0.0	16.4	7.5	8.2	8.2	6.3	11.0	10.9
LnGrp LOS	B	A	B	C	A	B	A	A	A	A	B	B
Approach Vol, veh/h	188			124			879			1206		
Approach Delay, s/veh	18.5			18.5			8.1			10.8		
Approach LOS	B			B			A			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.2	27.3		13.1	7.4	26.2		13.1				
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	5.5	41.5		19.5	6.5	40.5		19.5				
Max Q Clear Time (g_c+I1), s	2.4	8.9		6.1	2.8	14.0		8.4				
Green Ext Time (p_c), s	0.0	4.8		0.8	0.0	7.7		0.3				
Intersection Summary												
HCM 6th Ctrl Delay	10.8											
HCM 6th LOS	B											

HCM 6th Signalized Intersection Summary 16: Ed Schmidt Blvd & Emory Farms Ave/Live Oak

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	12	98	43	20	53	119	1028	121	66	808	63
Future Volume (veh/h)	25	12	98	43	20	53	119	1028	121	66	808	63
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	27	13	107	47	22	58	129	1117	132	72	878	68
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	295	26	216	258	68	180	479	1587	187	370	1583	123
Arrive On Green	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.50	0.50	0.06	0.47	0.47
Sat Flow, veh/h	1319	175	1437	1272	455	1199	1781	3201	378	1781	3342	259
Grp Volume(v), veh/h	27	0	120	47	0	80	129	619	630	72	467	479
Grp Sat Flow(s),veh/h/ln	1319	0	1612	1272	0	1654	1781	1777	1802	1781	1777	1824
Q Serve(g_s), s	0.9	0.0	3.2	1.6	0.0	2.0	1.6	12.6	12.7	0.9	8.8	8.8
Cycle Q Clear(g_c), s	2.9	0.0	3.2	4.8	0.0	2.0	1.6	12.6	12.7	0.9	8.8	8.8
Prop In Lane	1.00		0.89	1.00		0.73	1.00		0.21	1.00		0.14
Lane Grp Cap(c), veh/h	295	0	242	258	0	249	479	881	893	370	842	864
V/C Ratio(X)	0.09	0.00	0.50	0.18	0.00	0.32	0.27	0.70	0.70	0.19	0.55	0.55
Avail Cap(c_a), veh/h	619	0	638	571	0	655	648	1578	1601	502	1502	1542
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.0	0.0	18.2	20.4	0.0	17.7	5.9	9.1	9.1	6.9	8.8	8.8
Incr Delay (d2), s/veh	0.1	0.0	1.6	0.3	0.0	0.7	0.3	1.0	1.0	0.3	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.2	0.5	0.0	0.8	0.3	2.9	2.9	0.2	2.1	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	19.1	0.0	19.8	20.8	0.0	18.5	6.2	10.2	10.2	7.2	9.3	9.3
LnGrp LOS	B	A	B	C	A	B	A	B	B	A	A	A
Approach Vol, veh/h	147		127				1378				1018	
Approach Delay, s/veh	19.7		19.3				9.8				9.2	
Approach LOS	B		B				A				A	
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	7.5	27.7	11.5		8.6	26.6	11.5					
Change Period (Y+Rc), s	4.5	4.5	4.5		4.5	4.5	4.5					
Max Green Setting (Gmax), s	6.5	41.5	18.5		8.5	39.5	18.5					
Max Q Clear Time (g_c+I1), s	2.9	14.7	5.2		3.6	10.8	6.8					
Green Ext Time (p_c), s	0.0	8.5	0.6		0.1	5.8	0.4					
Intersection Summary												
HCM 6th Ctrl Delay	10.6											
HCM 6th LOS	B											

HCM 6th Signalized Intersection Summary 25: Ed Schmidt Blvd & Lowes

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	14	7	13	38	7	64	4	665	88	88	1118	18
Future Volume (veh/h)	14	7	13	38	7	64	4	665	88	88	1118	18
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	15	8	14	41	8	70	4	723	96	96	1215	20
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	195	59	67	314	45	177	323	1309	174	522	1776	29
Arrive On Green	0.11	0.11	0.11	0.11	0.11	0.11	0.01	0.41	0.41	0.09	0.50	0.50
Sat Flow, veh/h	453	526	596	1117	400	1585	1781	3153	418	1781	3578	59
Grp Volume(v), veh/h	37	0	0	49	0	70	4	407	412	96	603	632
Grp Sat Flow(s),veh/h/ln	1575	0	0	1517	0	1585	1781	1777	1795	1781	1777	1860
Q Serve(g_s), s	0.0	0.0	0.0	0.2	0.0	1.4	0.0	6.1	6.1	1.0	9.0	9.0
Cycle Q Clear(g_c), s	0.7	0.0	0.0	0.9	0.0	1.4	0.0	6.1	6.1	1.0	9.0	9.0
Prop In Lane	0.41		0.38	0.84		1.00	1.00		0.23	1.00		0.03
Lane Grp Cap(c), veh/h	321	0	0	359	0	177	323	737	745	522	882	923
V/C Ratio(X)	0.12	0.00	0.00	0.14	0.00	0.40	0.01	0.55	0.55	0.18	0.68	0.68
Avail Cap(c_a), veh/h	936	0	0	949	0	822	573	1119	1131	693	1186	1241
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.1	0.0	0.0	14.2	0.0	14.4	6.4	7.8	7.8	5.1	6.7	6.7
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.2	0.0	1.4	0.0	0.6	0.6	0.2	1.0	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.0	0.3	0.0	0.5	0.0	1.5	1.5	0.2	1.9	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.2	0.0	0.0	14.3	0.0	15.8	6.4	8.4	8.4	5.3	7.7	7.7
LnGrp LOS	B	A	A	B	A	B	A	A	A	A	A	A
Approach Vol, veh/h	37			119			823			1331		
Approach Delay, s/veh	14.2			15.2			8.4			7.5		
Approach LOS	B			B			A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.5	19.0		8.4	4.7	21.8		8.4				
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	6.4	22.0		18.1	5.1	23.3		18.1				
Max Q Clear Time (g_c+I1), s	3.0	8.1		2.7	2.0	11.0		3.4				
Green Ext Time (p_c), s	0.1	4.3		0.1	0.0	6.3		0.3				
Intersection Summary												
HCM 6th Ctrl Delay				8.3								
HCM 6th LOS				A								

HCM 6th Signalized Intersection Summary

25: Ed Schmidt Blvd & Lowes

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	15	64	64	41	164	49	887	289	184	718	57
Future Volume (veh/h)	24	15	64	64	41	164	49	887	289	184	718	57
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	26	16	70	70	45	178	53	964	314	200	780	62
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	114	60	156	236	127	253	486	1334	432	385	1817	144
Arrive On Green	0.16	0.16	0.16	0.16	0.16	0.16	0.05	0.51	0.51	0.09	0.54	0.54
Sat Flow, veh/h	211	376	978	820	797	1585	1781	2639	855	1781	3335	265
Grp Volume(v), veh/h	112	0	0	115	0	178	53	647	631	200	416	426
Grp Sat Flow(s),veh/h/ln	1564	0	0	1617	0	1585	1781	1777	1717	1781	1777	1823
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	5.8	0.7	15.6	15.8	2.8	7.6	7.6
Cycle Q Clear(g_c), s	3.3	0.0	0.0	3.1	0.0	5.8	0.7	15.6	15.8	2.8	7.6	7.6
Prop In Lane	0.23		0.62	0.61		1.00	1.00		0.50	1.00		0.15
Lane Grp Cap(c), veh/h	330	0	0	363	0	253	486	898	868	385	968	993
V/C Ratio(X)	0.34	0.00	0.00	0.32	0.00	0.70	0.11	0.72	0.73	0.52	0.43	0.43
Avail Cap(c_a), veh/h	594	0	0	626	0	533	574	1405	1358	695	1696	1740
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.8	0.0	0.0	20.7	0.0	21.9	5.9	10.6	10.6	9.3	7.4	7.4
Incr Delay (d2), s/veh	0.6	0.0	0.0	0.5	0.0	3.6	0.1	1.1	1.2	1.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	0.0	1.3	0.0	2.3	0.2	4.8	4.7	0.8	2.2	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.4	0.0	0.0	21.2	0.0	25.5	6.0	11.7	11.8	10.3	7.7	7.7
LnGrp LOS	C	A	A	C	A	C	A	B	B	B	A	A
Approach Vol, veh/h		112			293			1331			1042	
Approach Delay, s/veh		21.4			23.8			11.5			8.2	
Approach LOS		C			C			B			A	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.4	32.3		13.3	7.3	34.5		13.3				
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	14.5	43.5		18.5	5.5	52.5		18.5				
Max Q Clear Time (g_c+I1), s	4.8	17.8		5.3	2.7	9.6		7.8				
Green Ext Time (p_c), s	0.4	10.0		0.5	0.0	6.1		0.9				
Intersection Summary												
HCM 6th Ctrl Delay				12.0								
HCM 6th LOS				B								

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	35	230	1169	304	1	466	1872	137	1	567	504	421
Future Volume (vph)	35	230	1169	304	1	466	1872	137	1	567	504	421
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.91	0.91	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.98	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1610	3330	1583
Flt Permitted		0.95	1.00	1.00		0.80	1.00	1.00		0.09	0.98	1.00
Satd. Flow (perm)		1770	3539	1583		2891	3539	1583		158	3330	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	38	250	1271	330	1	507	2035	149	1	616	548	458
RTOR Reduction (vph)	0	0	0	230	0	0	0	104	0	0	0	107
Lane Group Flow (vph)	0	288	1271	100	0	508	2035	45	0	309	856	351
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Effective Green, g (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Actuated g/C Ratio		0.04	0.30	0.30		0.04	0.30	0.30		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		76	1077	481		125	1077	481		59	1245	591
v/s Ratio Prot		0.16	0.36				c0.57				0.26	
v/s Ratio Perm				0.06		c0.18		0.03		c1.96		0.22
v/c Ratio		3.79	1.18	0.21		4.06	1.89	0.09		5.24	0.69	0.59
Uniform Delay, d1		55.0	40.0	29.7		55.0	40.0	28.6		36.0	30.3	29.0
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		1286.7	90.8	1.0		1397.6	403.8	0.4		1943.8	1.6	1.6
Delay (s)		1341.7	130.8	30.7		1452.6	443.8	29.0		1979.8	31.9	30.6
Level of Service		F	F	C		F	F	C		F	C	C
Approach Delay (s)			297.9				611.2				402.4	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			584.8				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			3.78									
Actuated Cycle Length (s)			115.0				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			135.0%				ICU Level of Service			H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	150	480	416
Future Volume (vph)	150	480	416
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	163	522	452
RTOR Reduction (vph)	0	0	154
Lane Group Flow (vph)	163	522	298
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	5.0	5.0	5.0
Effective Green, g (s)	5.0	5.0	5.0
Actuated g/C Ratio	0.04	0.04	0.04
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	76	153	68
v/s Ratio Prot	0.09	0.15	
v/s Ratio Perm			c0.19
v/c Ratio	2.14	3.41	4.38
Uniform Delay, d1	55.0	55.0	55.0
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	556.2	1101.7	1555.6
Delay (s)	611.2	1156.7	1610.6
Level of Service	F	F	F
Approach Delay (s)		1258.9	
Approach LOS		F	
Intersection Summary			

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (vph)	35	302	1470	634	1	505	1239	130	413	613	668	186
Future Volume (vph)	35	302	1470	634	1	505	1239	130	413	613	668	186
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0	6.0	6.0	6.0	7.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00	0.91	0.91	1.00	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85	1.00	1.00	0.85	1.00
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00	0.95	0.99	1.00	0.95
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583	1610	3370	1583	1770
Flt Permitted		0.95	1.00	1.00		0.31	1.00	1.00	0.95	0.99	1.00	0.95
Satd. Flow (perm)		1770	3539	1583		1112	3539	1583	1610	3370	1583	1770
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	38	328	1598	689	1	549	1347	141	449	666	726	202
RTOR Reduction (vph)	0	0	0	485	0	0	0	92	0	0	106	0
Lane Group Flow (vph)	0	366	1598	204	0	550	1347	49	359	756	620	202
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Split	NA	Perm	Split
Protected Phases	1	1	6			5	2		3	3		4
Permitted Phases				6	2			2			3	
Actuated Green, G (s)		7.0	37.0	37.0		13.0	43.0	43.0	41.0	41.0	41.0	7.0
Effective Green, g (s)		7.0	37.0	37.0		13.0	43.0	43.0	41.0	41.0	41.0	7.0
Actuated g/C Ratio		0.06	0.30	0.30		0.10	0.34	0.34	0.33	0.33	0.33	0.06
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0	6.0	6.0	6.0	7.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)		99	1047	468		115	1217	544	528	1105	519	99
v/s Ratio Prot		0.21	c0.45				c0.38		0.22	0.22		0.11
v/s Ratio Perm				0.13		c0.49		0.03			c0.39	
v/c Ratio		3.70	1.53	0.44		4.78	1.11	0.09	0.68	0.68	1.20	2.04
Uniform Delay, d1		59.0	44.0	35.6		56.0	41.0	27.7	36.3	36.4	42.0	59.0
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2		1238.1	241.7	2.9		1721.7	60.3	0.3	3.5	1.8	105.7	501.5
Delay (s)		1297.1	285.7	38.5		1777.7	101.3	28.1	39.8	38.2	147.7	560.5
Level of Service		F	F	D		F	F	C	D	D	F	F
Approach Delay (s)			361.0				548.7			81.7		
Approach LOS			F				F			F		
Intersection Summary												
HCM 2000 Control Delay			395.1				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			1.89									
Actuated Cycle Length (s)			125.0				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			134.2%				ICU Level of Service			H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBT	SBR
Lane Configurations	↑↑	↑
Traffic Volume (vph)	553	234
Future Volume (vph)	553	234
Ideal Flow (vphpl)	1900	1900
Total Lost time (s)	7.0	7.0
Lane Util. Factor	0.95	1.00
Frt	1.00	0.85
Flt Protected	1.00	1.00
Satd. Flow (prot)	3539	1583
Flt Permitted	1.00	1.00
Satd. Flow (perm)	3539	1583
Peak-hour factor, PHF	0.92	0.92
Adj. Flow (vph)	601	254
RTOR Reduction (vph)	0	140
Lane Group Flow (vph)	601	114
Turn Type	NA	Perm
Protected Phases	4	
Permitted Phases		4
Actuated Green, G (s)	7.0	7.0
Effective Green, g (s)	7.0	7.0
Actuated g/C Ratio	0.06	0.06
Clearance Time (s)	7.0	7.0
Vehicle Extension (s)	3.0	3.0
Lane Grp Cap (vph)	198	88
v/s Ratio Prot	c0.17	
v/s Ratio Perm		0.07
v/c Ratio	3.04	1.30
Uniform Delay, d1	59.0	59.0
Progression Factor	1.00	1.00
Incremental Delay, d2	929.3	195.6
Delay (s)	988.3	254.6
Level of Service	F	F
Approach Delay (s)	730.2	
Approach LOS	F	
Intersection Summary		

HCM 6th Signalized Intersection Summary

9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	33	507	331	546	860	2	391	223	260	89	353	141
Future Volume (veh/h)	33	507	331	546	860	2	391	223	260	89	353	141
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	36	551	360	593	935	2	425	242	283	97	384	153
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	257	966	431	865	1411	3	636	767	342	337	669	299
Arrive On Green	0.03	0.27	0.27	0.15	0.39	0.39	0.09	0.22	0.22	0.06	0.19	0.19
Sat Flow, veh/h	1781	3554	1585	3456	3638	8	3456	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	36	551	360	593	457	480	425	242	283	97	384	153
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1728	1777	1869	1728	1777	1585	1781	1777	1585
Q Serve(g_s), s	1.1	10.6	17.0	9.1	16.9	16.9	7.0	4.6	13.6	3.4	7.8	6.9
Cycle Q Clear(g_c), s	1.1	10.6	17.0	9.1	16.9	16.9	7.0	4.6	13.6	3.4	7.8	6.9
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	257	966	431	865	689	725	636	767	342	337	669	299
V/C Ratio(X)	0.14	0.57	0.84	0.69	0.66	0.66	0.67	0.32	0.83	0.29	0.57	0.51
Avail Cap(c_a), veh/h	308	1160	517	996	803	845	636	1115	497	341	1026	458
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.9	25.0	27.3	16.7	20.1	20.1	25.4	26.3	29.8	23.8	29.4	29.0
Incr Delay (d2), s/veh	0.2	0.5	9.8	1.6	1.6	1.6	2.7	0.2	7.4	0.5	0.8	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	4.1	6.9	3.2	6.3	6.6	3.2	1.8	5.4	1.3	3.1	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.2	25.5	37.1	18.3	21.7	21.6	28.1	26.5	37.3	24.3	30.2	30.4
LnGrp LOS	C	C	D	B	C	C	C	C	D	C	C	C
Approach Vol, veh/h	947		1530				950		634			
Approach Delay, s/veh	29.7		20.4				30.4		29.3			
Approach LOS	C		C				C		C			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	18.0	27.7	13.0	21.0	8.7	36.9	10.8	23.2				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	15.0	26.0	7.0	23.0	5.0	36.0	5.0	25.0				
Max Q Clear Time (g_c+I1), s	11.1	19.0	9.0	9.8	3.1	18.9	5.4	15.6				
Green Ext Time (p_c), s	0.9	2.6	0.0	2.2	0.0	4.9	0.0	1.6				
Intersection Summary												
HCM 6th Ctrl Delay	26.3											
HCM 6th LOS	C											

HCM 6th Signalized Intersection Summary 9: Ed Schmidt Blvd & Limmer Loop

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 		 	 		 	 			 	
Traffic Volume (veh/h)	31	626	292	420	606	49	396	257	586	151	436	55
Future Volume (veh/h)	31	626	292	420	606	49	396	257	586	151	436	55
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	34	680	317	457	659	53	430	279	637	164	474	60
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	265	882	393	652	1118	90	760	1084	483	332	923	412
Arrive On Green	0.03	0.25	0.25	0.12	0.34	0.34	0.10	0.30	0.30	0.06	0.26	0.26
Sat Flow, veh/h	1781	3554	1585	3456	3331	268	3456	3554	1585	1781	3554	1585
Grp Volume(v), veh/h	34	680	317	457	351	361	430	279	637	164	474	60
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1728	1777	1822	1728	1777	1585	1781	1777	1585
Q Serve(g_s), s	1.2	15.7	16.6	8.2	14.5	14.5	8.0	5.2	27.0	5.0	10.1	2.6
Cycle Q Clear(g_c), s	1.2	15.7	16.6	8.2	14.5	14.5	8.0	5.2	27.0	5.0	10.1	2.6
Prop In Lane	1.00		1.00	1.00		0.15	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	265	882	393	652	596	611	760	1084	483	332	923	412
V/C Ratio(X)	0.13	0.77	0.81	0.70	0.59	0.59	0.57	0.26	1.32	0.49	0.51	0.15
Avail Cap(c_a), veh/h	308	1084	483	708	682	700	760	1084	483	332	923	412
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.7	30.9	31.3	21.7	24.4	24.4	21.4	23.2	30.8	23.2	28.0	25.2
Incr Delay (d2), s/veh	0.2	2.8	8.0	2.8	1.0	1.0	1.0	0.1	157.1	1.1	0.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	6.5	6.7	3.2	5.7	5.8	3.0	2.0	30.3	2.4	3.9	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.9	33.7	39.3	24.5	25.4	25.4	22.4	23.3	187.9	24.4	28.5	25.4
LnGrp LOS	C	C	D	C	C	C	C	C	F	C	C	C
Approach Vol, veh/h		1031			1169			1346			698	
Approach Delay, s/veh		35.1			25.0			100.9			27.2	
Approach LOS		D			C			F			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	16.6	28.0	15.0	29.0	8.8	35.7	11.0	33.0				
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0				
Max Green Setting (Gmax), s	12.0	27.0	9.0	23.0	5.0	34.0	5.0	27.0				
Max Q Clear Time (g_c+I1), s	10.2	18.6	10.0	12.1	3.2	16.5	7.0	29.0				
Green Ext Time (p_c), s	0.3	3.3	0.0	2.1	0.0	3.6	0.0	0.0				
Intersection Summary												
HCM 6th Ctrl Delay			51.9									
HCM 6th LOS			D									

HCM 6th Signalized Intersection Summary

16: Ed Schmidt Blvd & Emory Farms Ave/Live Oak

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	35	5	168	68	22	46	73	852	46	35	1234	62
Future Volume (veh/h)	35	5	168	68	22	46	73	852	46	35	1234	62
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	38	5	183	74	24	50	79	926	50	38	1341	67
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	314	7	239	259	151	315	255	1636	88	341	1574	79
Arrive On Green	0.15	0.15	0.15	0.06	0.28	0.28	0.06	0.48	0.48	0.04	0.46	0.46
Sat Flow, veh/h	1326	42	1549	1781	541	1127	1781	3429	185	1781	3444	172
Grp Volume(v), veh/h	38	0	188	74	0	74	79	480	496	38	691	717
Grp Sat Flow(s),veh/h/ln	1326	0	1592	1781	0	1668	1781	1777	1837	1781	1777	1839
Q Serve(g_s), s	1.6	0.0	7.4	2.2	0.0	2.2	1.5	12.7	12.7	0.7	22.7	22.8
Cycle Q Clear(g_c), s	1.6	0.0	7.4	2.2	0.0	2.2	1.5	12.7	12.7	0.7	22.7	22.8
Prop In Lane	1.00		0.97	1.00		0.68	1.00		0.10	1.00		0.09
Lane Grp Cap(c), veh/h	314	0	246	259	0	466	255	848	876	341	812	841
V/C Ratio(X)	0.12	0.00	0.76	0.29	0.00	0.16	0.31	0.57	0.57	0.11	0.85	0.85
Avail Cap(c_a), veh/h	463	0	424	308	0	698	301	906	937	422	906	938
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.2	0.0	26.6	20.5	0.0	17.9	13.1	12.3	12.3	9.6	15.8	15.9
Incr Delay (d2), s/veh	0.2	0.0	4.9	0.6	0.0	0.2	0.7	0.7	0.7	0.1	7.1	7.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	3.1	0.9	0.0	0.8	0.5	3.9	4.1	0.2	8.5	8.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.3	0.0	31.5	21.1	0.0	18.0	13.8	13.0	13.0	9.8	23.0	23.0
LnGrp LOS	C	A	C	C	A	B	B	B	B	A	C	C
Approach Vol, veh/h		226			148			1055			1446	
Approach Delay, s/veh		30.3			19.5			13.1			22.6	
Approach LOS		C			B			B			C	
Timer - Assigned Phs	1	2	3	4	5	6		8				
Phs Duration (G+Y+Rc), s	7.0	35.9	8.2	14.7	8.3	34.5		22.9				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	5.5	33.5	5.5	17.5	5.5	33.5		27.5				
Max Q Clear Time (g_c+I1), s	2.7	14.7	4.2	9.4	3.5	24.8		4.2				
Green Ext Time (p_c), s	0.0	5.4	0.0	0.8	0.0	5.2		0.4				
Intersection Summary												
HCM 6th Ctrl Delay			19.6									
HCM 6th LOS			B									
Notes												
User approved pedestrian interval to be less than phase max green.												

HCM 6th Signalized Intersection Summary

16: Ed Schmidt Blvd & Emory Farms Ave/Live Oak

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	14	118	43	20	53	143	1234	145	79	969	76
Future Volume (veh/h)	30	14	118	43	20	53	143	1234	145	79	969	76
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	33	15	128	47	22	58	155	1341	158	86	1053	83
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	277	27	228	220	72	189	421	1738	204	314	1761	139
Arrive On Green	0.16	0.16	0.16	0.16	0.16	0.16	0.08	0.54	0.54	0.06	0.53	0.53
Sat Flow, veh/h	1319	169	1442	1245	455	1199	1781	3204	375	1781	3337	263
Grp Volume(v), veh/h	33	0	143	47	0	80	155	740	759	86	561	575
Grp Sat Flow(s),veh/h/ln	1319	0	1611	1245	0	1654	1781	1777	1803	1781	1777	1823
Q Serve(g_s), s	1.3	0.0	4.7	2.1	0.0	2.5	2.2	18.8	19.1	1.2	12.5	12.5
Cycle Q Clear(g_c), s	3.8	0.0	4.7	6.8	0.0	2.5	2.2	18.8	19.1	1.2	12.5	12.5
Prop In Lane	1.00		0.90	1.00		0.73	1.00		0.21	1.00		0.14
Lane Grp Cap(c), veh/h	277	0	254	220	0	261	421	964	978	314	937	962
V/C Ratio(X)	0.12	0.00	0.56	0.21	0.00	0.31	0.37	0.77	0.78	0.27	0.60	0.60
Avail Cap(c_a), veh/h	493	0	518	424	0	532	604	1314	1333	369	1159	1189
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.1	0.0	22.4	25.5	0.0	21.4	6.8	10.3	10.4	8.9	9.4	9.4
Incr Delay (d2), s/veh	0.2	0.0	1.9	0.5	0.0	0.7	0.5	1.9	2.0	0.5	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	1.8	0.6	0.0	1.0	0.5	5.0	5.2	0.3	3.2	3.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.3	0.0	24.3	26.0	0.0	22.1	7.4	12.2	12.4	9.3	10.0	10.0
LnGrp LOS	C	A	C	C	A	C	A	B	B	A	A	A
Approach Vol, veh/h	176			127			1654			1222		
Approach Delay, s/veh	24.1			23.5			11.9			9.9		
Approach LOS	C			C			B			A		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	8.2	35.7	13.6		9.1	34.8	13.6					
Change Period (Y+Rc), s	4.5	4.5	4.5		4.5	4.5	4.5					
Max Green Setting (Gmax), s	5.5	42.5	18.5		10.5	37.5	18.5					
Max Q Clear Time (g_c+I1), s	3.2	21.1	6.7		4.2	14.5	8.8					
Green Ext Time (p_c), s	0.0	10.0	0.7		0.2	7.0	0.3					
Intersection Summary												
HCM 6th Ctrl Delay	12.3											
HCM 6th LOS	B											

HCM 6th Signalized Intersection Summary

25: Ed Schmidt Blvd & Lowes

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	17	8	15	46	8	77	5	798	106	106	1342	22
Future Volume (veh/h)	17	8	15	46	8	77	5	798	106	106	1342	22
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	18	9	16	50	9	84	5	867	115	115	1459	24
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	168	55	60	282	38	166	279	1539	204	495	2036	33
Arrive On Green	0.10	0.10	0.10	0.10	0.10	0.10	0.01	0.49	0.49	0.09	0.57	0.57
Sat Flow, veh/h	447	524	575	1187	363	1585	1781	3154	418	1781	3578	59
Grp Volume(v), veh/h	43	0	0	59	0	84	5	488	494	115	724	759
Grp Sat Flow(s),veh/h/ln	1547	0	0	1550	0	1585	1781	1777	1795	1781	1777	1860
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	2.1	0.1	8.2	8.2	1.2	12.5	12.6
Cycle Q Clear(g_c), s	1.3	0.0	0.0	1.3	0.0	2.1	0.1	8.2	8.2	1.2	12.5	12.6
Prop In Lane	0.42		0.37	0.85		1.00	1.00		0.23	1.00		0.03
Lane Grp Cap(c), veh/h	283	0	0	320	0	166	279	867	876	495	1011	1058
V/C Ratio(X)	0.15	0.00	0.00	0.18	0.00	0.50	0.02	0.56	0.56	0.23	0.72	0.72
Avail Cap(c_a), veh/h	781	0	0	800	0	694	541	1282	1295	655	1324	1386
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.4	0.0	0.0	17.5	0.0	17.9	6.4	7.6	7.6	4.9	6.6	6.6
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.3	0.0	2.4	0.0	0.6	0.6	0.2	1.3	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	0.0	0.5	0.0	0.8	0.0	2.1	2.1	0.2	2.8	2.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	17.6	0.0	0.0	17.8	0.0	20.2	6.4	8.2	8.2	5.1	7.9	7.9
LnGrp LOS	B	A	A	B	A	C	A	A	A	A	A	A
Approach Vol, veh/h		43			143			987			1598	
Approach Delay, s/veh		17.6			19.2			8.2			7.7	
Approach LOS		B			B			A			A	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.2	25.1		8.9	4.8	28.6		8.9				
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	7.5	30.5		18.5	6.5	31.5		18.5				
Max Q Clear Time (g_c+I1), s	3.2	10.2		3.3	2.1	14.6		4.1				
Green Ext Time (p_c), s	0.1	6.3		0.1	0.0	9.5		0.4				
Intersection Summary												
HCM 6th Ctrl Delay			8.6									
HCM 6th LOS			A									

HCM 6th Signalized Intersection Summary

25: Ed Schmidt Blvd & Lowes

08/15/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	29	18	77	77	50	196	59	1064	347	220	862	69
Future Volume (veh/h)	29	18	77	77	50	196	59	1064	347	220	862	69
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	32	20	84	84	54	213	64	1157	377	239	937	75
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	61	152	226	126	272	428	1438	460	325	1939	155
Arrive On Green	0.17	0.17	0.17	0.17	0.17	0.17	0.05	0.54	0.54	0.09	0.58	0.58
Sat Flow, veh/h	195	355	887	828	734	1585	1781	2648	847	1781	3332	267
Grp Volume(v), veh/h	136	0	0	138	0	213	64	769	765	239	500	512
Grp Sat Flow(s),veh/h/ln	1437	0	0	1562	0	1585	1781	1777	1718	1781	1777	1822
Q Serve(g_s), s	1.0	0.0	0.0	0.0	0.0	8.9	1.0	24.1	25.3	3.9	11.3	11.3
Cycle Q Clear(g_c), s	6.1	0.0	0.0	5.2	0.0	8.9	1.0	24.1	25.3	3.9	11.3	11.3
Prop In Lane	0.24		0.62	0.61		1.00	1.00		0.49	1.00		0.15
Lane Grp Cap(c), veh/h	311	0	0	352	0	272	428	965	933	325	1034	1061
V/C Ratio(X)	0.44	0.00	0.00	0.39	0.00	0.78	0.15	0.80	0.82	0.74	0.48	0.48
Avail Cap(c_a), veh/h	452	0	0	493	0	424	479	1145	1107	512	1350	1385
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.9	0.0	0.0	25.8	0.0	27.4	6.5	12.7	13.0	14.1	8.4	8.4
Incr Delay (d2), s/veh	1.0	0.0	0.0	0.7	0.0	5.0	0.2	3.4	4.3	3.3	0.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.0	2.1	0.0	3.6	0.3	8.6	8.9	2.1	3.5	3.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.9	0.0	0.0	26.5	0.0	32.4	6.7	16.2	17.3	17.3	8.7	8.7
LnGrp LOS	C	A	A	C	A	C	A	B	B	B	A	A
Approach Vol, veh/h		136			351			1598			1251	
Approach Delay, s/veh		26.9			30.1			16.3			10.4	
Approach LOS		C			C			B			B	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.7	42.0		16.3	8.0	44.7		16.3				
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5				
Max Green Setting (Gmax), s	13.5	44.5		18.5	5.5	52.5		18.5				
Max Q Clear Time (g_c+I1), s	5.9	27.3		8.1	3.0	13.3		10.9				
Green Ext Time (p_c), s	0.4	10.2		0.5	0.0	7.8		1.0				
Intersection Summary												
HCM 6th Ctrl Delay			16.0									
HCM 6th LOS			B									

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	35	276	1403	365	1	559	2246	165	1	680	605	506
Future Volume (vph)	35	276	1403	365	1	559	2246	165	1	680	605	506
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.91	0.91	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.98	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1610	3330	1583
Flt Permitted		0.95	1.00	1.00		0.80	1.00	1.00		0.09	0.98	1.00
Satd. Flow (perm)		1770	3539	1583		2891	3539	1583		158	3330	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	38	300	1525	397	1	608	2441	179	1	739	658	550
RTOR Reduction (vph)	0	0	0	276	0	0	0	125	0	0	0	107
Lane Group Flow (vph)	0	338	1525	121	0	609	2441	54	0	370	1028	443
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Effective Green, g (s)		5.0	35.0	35.0		5.0	35.0	35.0		43.0	43.0	43.0
Actuated g/C Ratio		0.04	0.30	0.30		0.04	0.30	0.30		0.37	0.37	0.37
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		76	1077	481		125	1077	481		59	1245	591
v/s Ratio Prot		0.19	0.43				c0.69				0.31	
v/s Ratio Perm				0.08		c0.21		0.03		c2.35		0.28
v/c Ratio		4.45	1.42	0.25		4.87	2.27	0.11		6.27	0.83	0.75
Uniform Delay, d1		55.0	40.0	30.1		55.0	40.0	28.8		36.0	32.6	31.3
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		1581.3	192.7	1.3		1760.3	572.9	0.5		2407.8	4.6	5.2
Delay (s)		1636.3	232.7	31.4		1815.3	612.9	29.3		2443.8	37.2	36.5
Level of Service		F	F	C		F	F	C		F	D	D
Approach Delay (s)			407.3				807.3				494.1	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			767.7				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			4.56									
Actuated Cycle Length (s)			115.0				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			157.1%				ICU Level of Service			H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023



Movement	SBL	SBT	SBR
Lane Configurations			
Traffic Volume (vph)	180	576	499
Future Volume (vph)	180	576	499
Ideal Flow (vphpl)	1900	1900	1900
Total Lost time (s)	7.0	7.0	7.0
Lane Util. Factor	1.00	0.95	1.00
Frt	1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00
Satd. Flow (prot)	1770	3539	1583
Flt Permitted	0.95	1.00	1.00
Satd. Flow (perm)	1770	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92
Adj. Flow (vph)	196	626	542
RTOR Reduction (vph)	0	0	154
Lane Group Flow (vph)	196	626	388
Turn Type	Split	NA	Perm
Protected Phases	4	4	
Permitted Phases			4
Actuated Green, G (s)	5.0	5.0	5.0
Effective Green, g (s)	5.0	5.0	5.0
Actuated g/C Ratio	0.04	0.04	0.04
Clearance Time (s)	7.0	7.0	7.0
Vehicle Extension (s)	3.0	3.0	3.0
Lane Grp Cap (vph)	76	153	68
v/s Ratio Prot	0.11	0.18	
v/s Ratio Perm			c0.25
v/c Ratio	2.58	4.09	5.71
Uniform Delay, d1	55.0	55.0	55.0
Progression Factor	1.00	1.00	1.00
Incremental Delay, d2	747.3	1406.6	2149.3
Delay (s)	802.3	1461.6	2204.3
Level of Service	F	F	F
Approach Delay (s)		1662.0	
Approach LOS		F	
Intersection Summary			

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

08/15/2023

												
Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Volume (vph)	49	363	1764	761	7	606	1487	156	5	496	736	801
Future Volume (vph)	49	363	1764	761	7	606	1487	156	5	496	736	801
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Lane Util. Factor		1.00	0.95	1.00		0.97	0.95	1.00		0.91	0.91	1.00
Frt		1.00	1.00	0.85		1.00	1.00	0.85		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00		0.95	1.00	1.00		0.95	0.99	1.00
Satd. Flow (prot)		1770	3539	1583		3433	3539	1583		1610	3348	1583
Flt Permitted		0.95	1.00	1.00		0.36	1.00	1.00		0.10	0.99	1.00
Satd. Flow (perm)		1770	3539	1583		1314	3539	1583		161	3348	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	53	395	1917	827	8	659	1616	170	5	539	800	871
RTOR Reduction (vph)	0	0	0	559	0	0	0	109	0	0	0	104
Lane Group Flow (vph)	0	448	1917	268	0	667	1616	61	0	274	1070	767
Turn Type	Prot	Prot	NA	Perm	Perm	Prot	NA	Perm	Perm	Split	NA	Perm
Protected Phases	1	1	6			5	2			3	3	
Permitted Phases				6	2			2	3			3
Actuated Green, G (s)		7.0	38.0	38.0		11.0	42.0	42.0		42.0	42.0	42.0
Effective Green, g (s)		7.0	38.0	38.0		11.0	42.0	42.0		42.0	42.0	42.0
Actuated g/C Ratio		0.06	0.30	0.30		0.09	0.34	0.34		0.34	0.34	0.34
Clearance Time (s)		7.0	7.0	7.0		7.0	7.0	7.0		6.0	6.0	6.0
Vehicle Extension (s)		3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0
Lane Grp Cap (vph)		99	1075	481		115	1189	531		54	1124	531
v/s Ratio Prot		0.25	c0.54				c0.46				0.32	
v/s Ratio Perm				0.17		c0.51		0.04		c1.70		0.48
v/c Ratio		4.53	1.78	0.56		5.80	1.36	0.12		5.07	0.95	1.44
Uniform Delay, d1		59.0	43.5	36.5		57.0	41.5	28.7		41.5	40.5	41.5
Progression Factor		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2		1609.4	356.2	4.6		2178.8	167.1	0.4		1873.9	16.5	210.3
Delay (s)		1668.4	399.7	41.1		2235.8	208.6	29.1		1915.4	57.1	251.8
Level of Service		F	F	D		F	F	C		F	E	F
Approach Delay (s)			484.9				747.4				363.5	
Approach LOS			F				F				F	
Intersection Summary												
HCM 2000 Control Delay			615.1				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			3.82									
Actuated Cycle Length (s)			125.0				Sum of lost time (s)			27.0		
Intersection Capacity Utilization			156.7%				ICU Level of Service			H		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Chris Kelley Blvd/Ed Schmidt Blvd & US 79

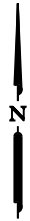
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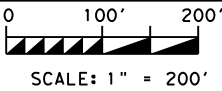
Movement	SBU	SBL	SBT	SBR
Lane Configurations		↩	↕↕	↗
Traffic Volume (vph)	2	223	664	281
Future Volume (vph)	2	223	664	281
Ideal Flow (vphpl)	1900	1900	1900	1900
Total Lost time (s)		7.0	7.0	7.0
Lane Util. Factor		1.00	0.95	1.00
Frt		1.00	1.00	0.85
Flt Protected		0.95	1.00	1.00
Satd. Flow (prot)		1770	3539	1583
Flt Permitted		0.57	1.00	1.00
Satd. Flow (perm)		1064	3539	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	242	722	305
RTOR Reduction (vph)	0	0	0	140
Lane Group Flow (vph)	0	244	722	165
Turn Type	Perm	Split	NA	Perm
Protected Phases		4	4	
Permitted Phases	4			4
Actuated Green, G (s)		7.0	7.0	7.0
Effective Green, g (s)		7.0	7.0	7.0
Actuated g/C Ratio		0.06	0.06	0.06
Clearance Time (s)		7.0	7.0	7.0
Vehicle Extension (s)		3.0	3.0	3.0
Lane Grp Cap (vph)		59	198	88
v/s Ratio Prot			0.20	
v/s Ratio Perm		0.23		0.10
v/c Ratio		4.14	3.65	1.88
Uniform Delay, d1		59.0	59.0	59.0
Progression Factor		1.00	1.00	1.00
Incremental Delay, d2		1450.2	1203.3	435.0
Delay (s)		1509.2	1262.3	494.0
Level of Service		F	F	F
Approach Delay (s)			1125.3	
Approach LOS			F	
Intersection Summary				

APPENDIX D

MATCHLINE A



- SUMMARY OF PROPOSED WORK:
- ① INSTALL TRAFFIC SIGNAL AT THE INTERSECTION OF LOWE'S AND ED SCHMIDT AND COORDINATE NEW TRAFFIC SIGNAL WITH EXISTING SIGNALS ALONG ED SCHMIDT.
 - ② INSTALL RAISED MEDIAN SOUTH OF THE INTERSECTION OF LOWE'S AND ED SCHMIDT.
 - ③ INSTALL NEW SIDEWALK CONNECTING EXISTING SIDEWALK ALONG ED SCHMIDT.
 - ④ WIDEN TO 2 LANES IN EACH DIRECTION NORTH OF THE LOWE'S AND ED SCHMIDT INTERSECTION.
 - ⑤ ADD CROSS WALK STRIPING NORTH OF THE ED SCHMIDT AND LOWE'S INTERSECTION.
 - ⑥ PLANT TREES.



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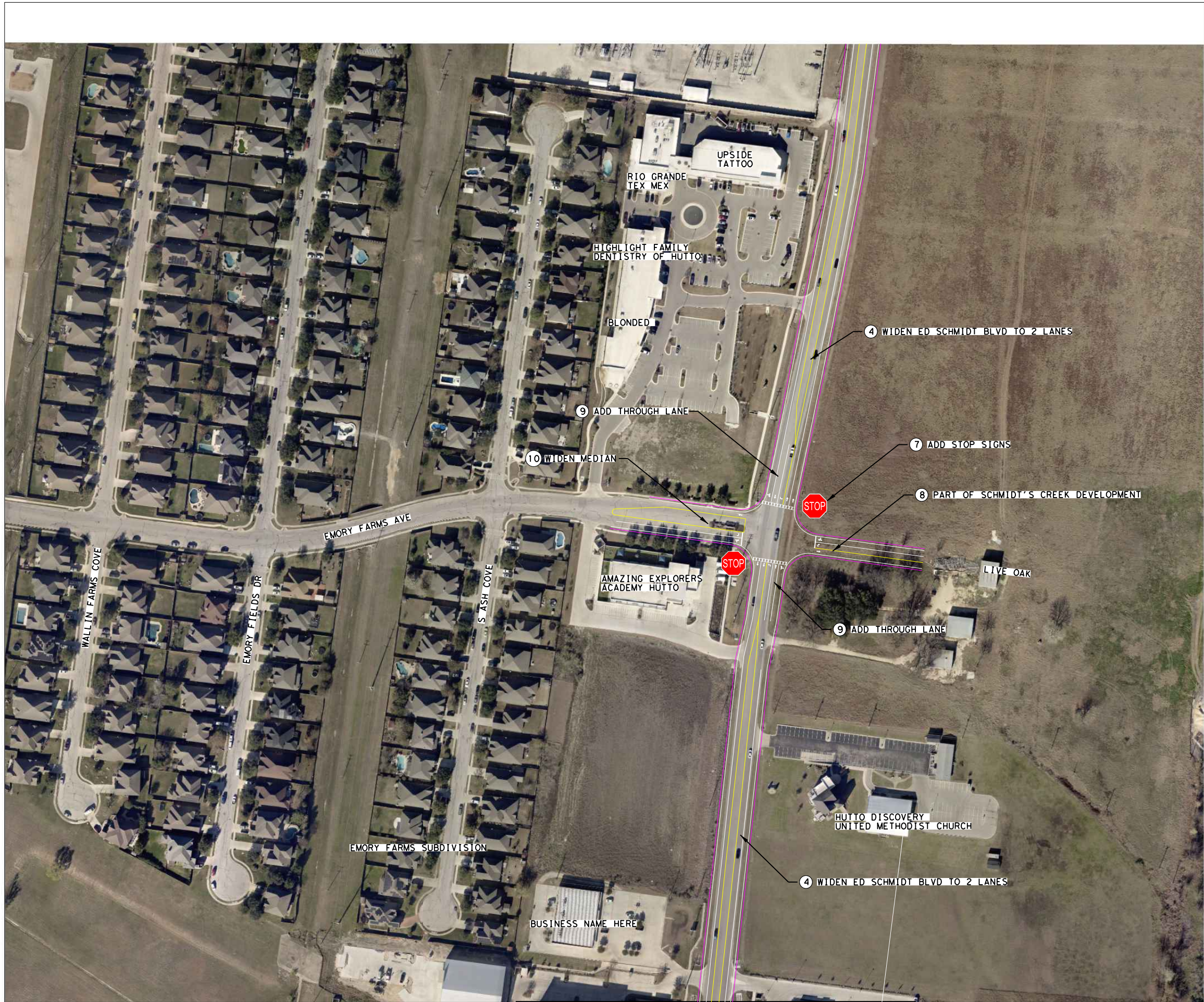
ED SCHMIDT BLVD
PROPOSED
IMPROVEMENTS
AT US 79 AND LOWE'S

SHEET 1 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
14	SEE TITLE SHEET		
STATE	DISTRICT	COUNTY	
TEXAS	AUS	WILLIAMSON	
CONTROL	SECTION	JOB	HIGHWAY
2176	01	010	ED SCHMIDT

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FILE: \$FILE\$

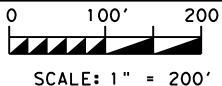
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MATCHLINE A

SUMMARY OF PROPOSED WORK:

- ④ WIDEN ED SCHMIDT BLVD TO 2 LANES.
- ⑦ INSTALL STOP SIGN AT THE INTERSECTION OF EMORY FARMS/LIVE OAK AND ED SCHMIDT.
- ⑧ PART OF SCHMIDT'S CREEK DEVELOPMENT.
- ⑨ ADD THROUGH LANE AT THE INTERSECTION OF EMORY FARMS/LIVE OAK AND ED SCHMIDT.
- ⑩ WIDEN MEDIAN EASTBOUND AT THE INTERSECTION OF EMORY FARMS/LIVE AND ED SCHMIDT.



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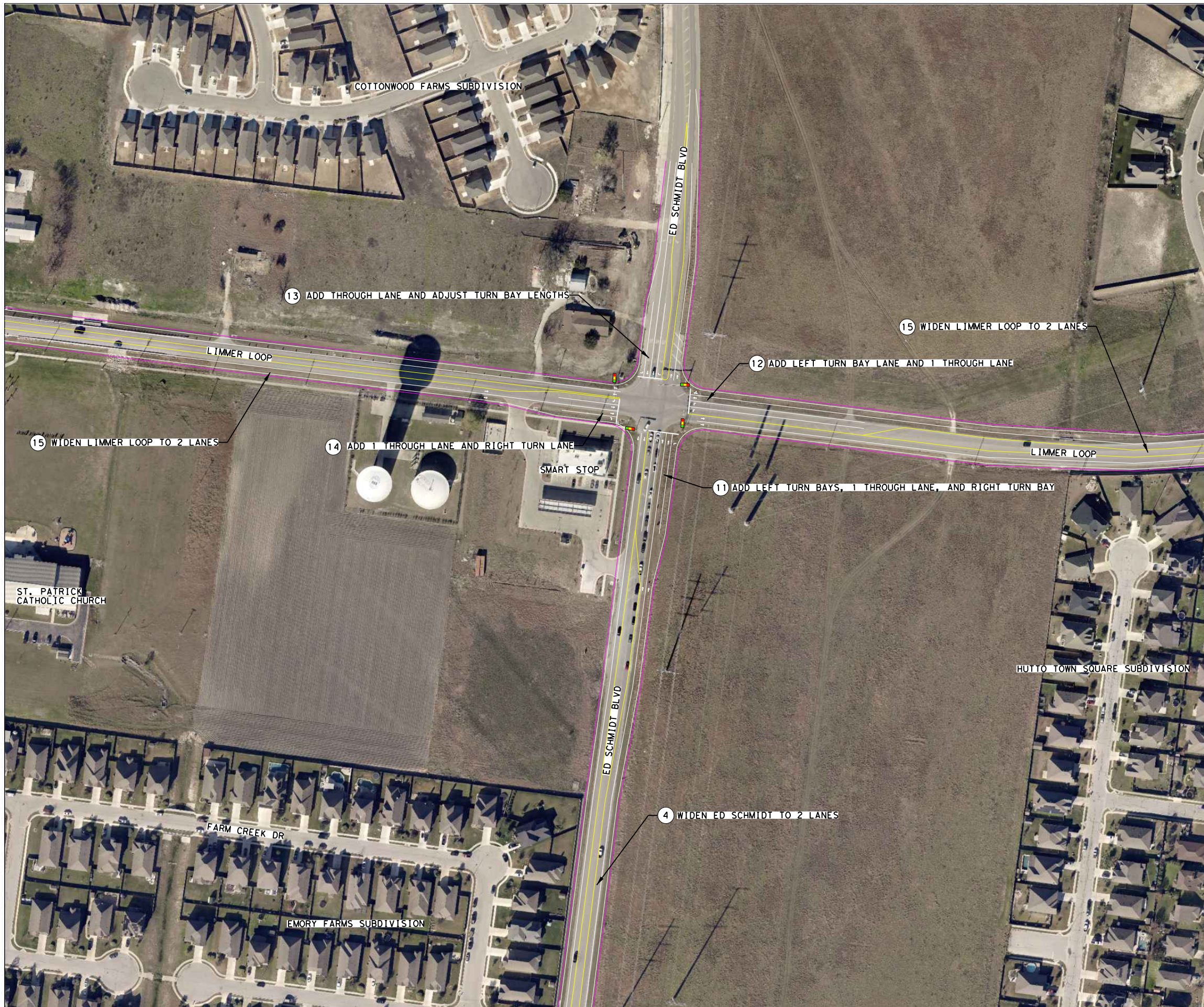
ED SCHMIDT BLVD
PROPOSED
IMPROVEMENTS
AT EMORY FARMS/LIVE OAK

SHEET 2 OF 3

FED. RD. DIV. NO.	FEDERAL AID PROJECT		SHEET NO.
14	SEE TITLE SHEET		
STATE	DISTRICT	COUNTY	
TEXAS	AUS	WILLIAMSON	
CONTROL	SECTION	JOB	HIGHWAY
2176	01	010	ED SCHMIDT

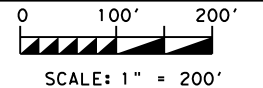
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SUMMARY OF PROPOSED WORK:

- ④ WIDEN ED SCHMIDT BLVD TO 2 LANES.
- ⑪ ADD LEFT TURN BAYS, 1 THROUGH LANE, AND RIGHT TURN BAY.
- ⑫ ADD LEFT TURN BAY LANE AND 1 THROUGH LANE.
- ⑬ ADD THROUGH LANE AND ADJUST TURN BAY LENGTHS.
- ⑭ ADD 1 THROUGH LANE AND RIGHT TURN LANE.
- ⑮ WIDEN LIMMER LOOP TO 2 LANES.



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ED SCHMIDT BLVD
PROPOSED
IMPROVEMENTS
AT LIMMER LOOP

SHEET 3 OF 3		FEDERAL AID PROJECT		SHEET NO.
FED. RD. DIV. NO.	14	SEE TITLE SHEET		
STATE	DISTRICT	COUNTY		
TEXAS	AUS	WILLIAMSON		
CONTROL	SECTION	JOB	HIGHWAY	
2176	01	010	ED SCHMIDT	

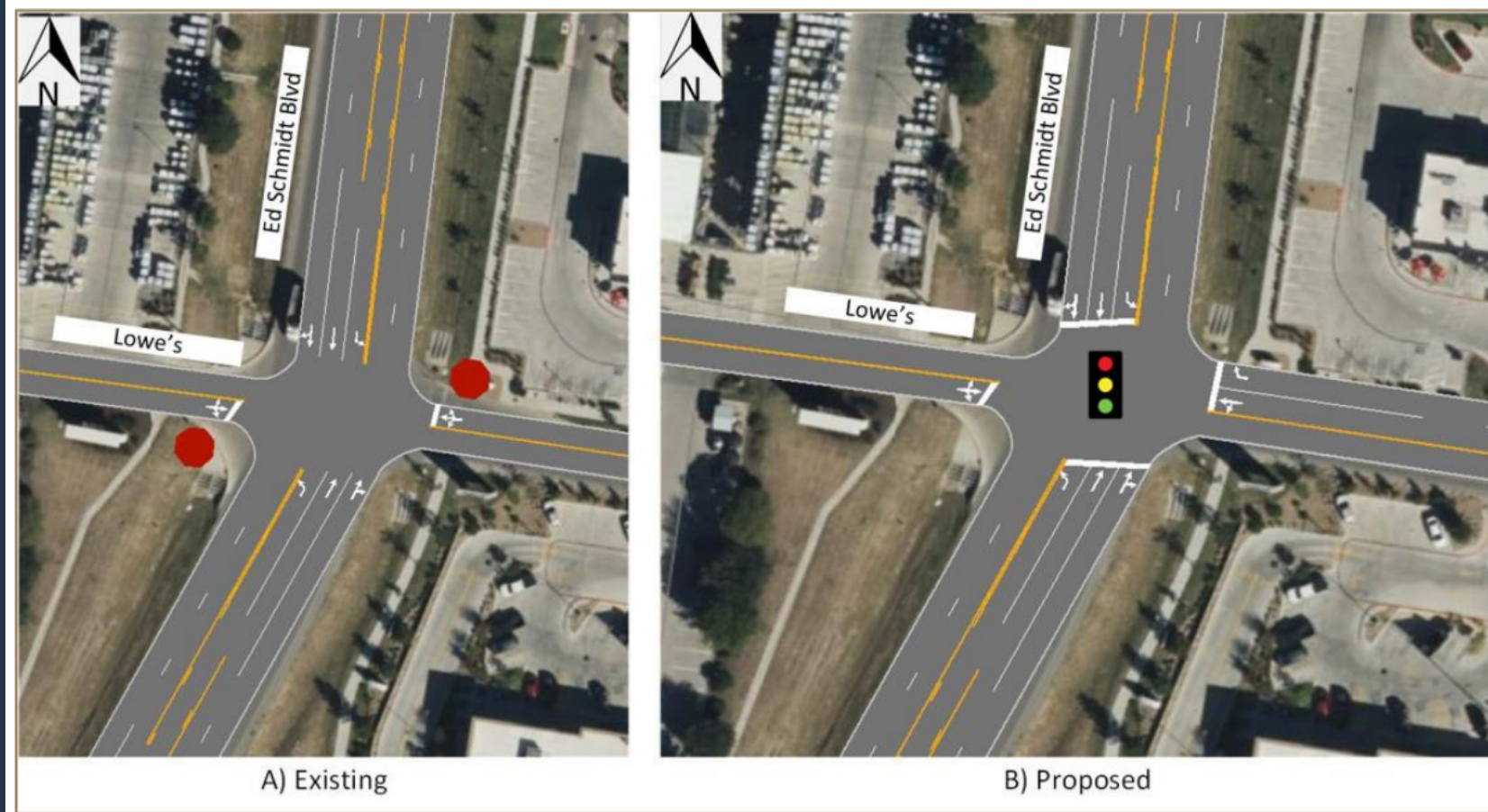
Ed Schmidt At Limmer Loop



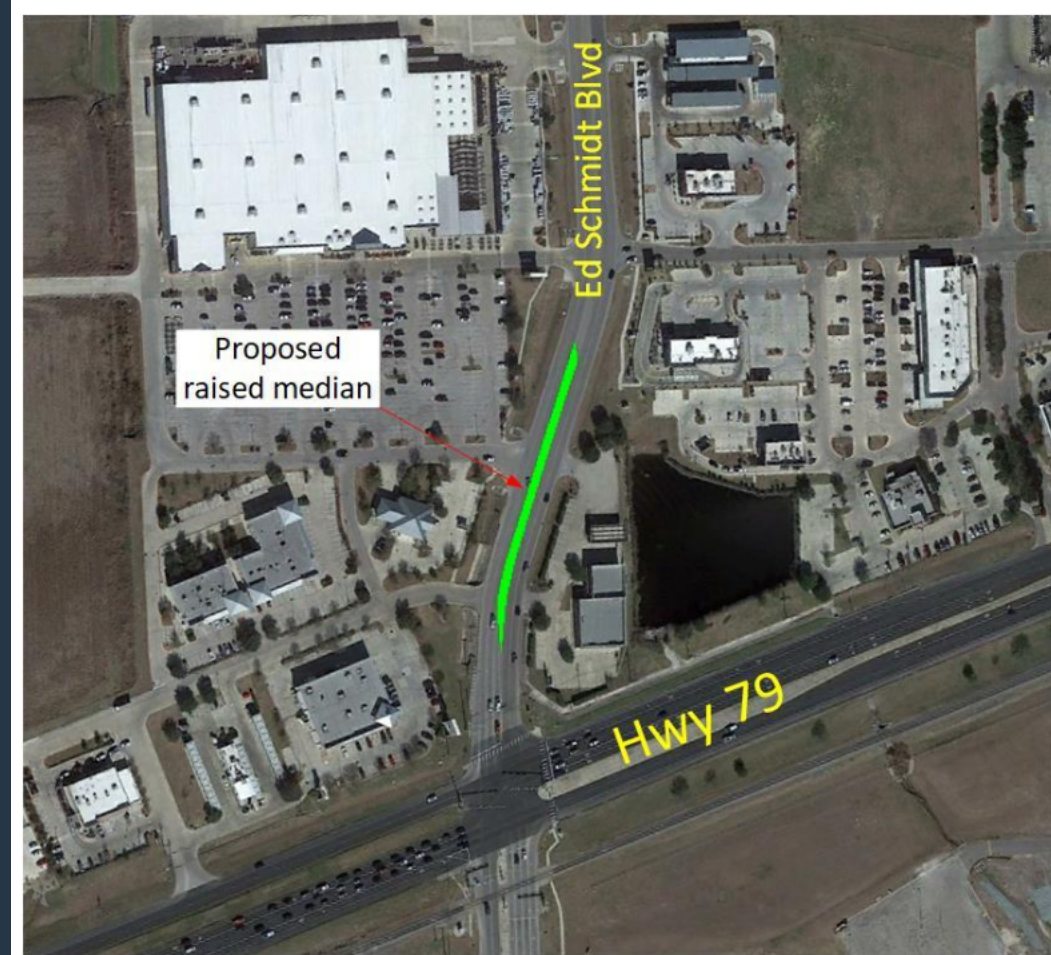
Ed Schmidt At Emory Farms/Live Oak



Ed Schmidt At Lowes



Safety



AGENDA ITEM REPORT

11.1.



To: City Council
Subject: Consideration and possible action on Ordinance No. O-2023-066 amending Appendix A of the Hutto Code of Ordinance, Article A3.001 for an increase for Solid Waste, Collection Fees, Utility Billing rates, Section, Article A4.000 Public Facility Rentals, and Consolidating Fees (Second Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

This item is to provide a fee schedule that highlights the fee schedule changes in the last year and provides the information related to fees included in the FY24 budget. Solid waste fees and park rental fees have been changed per Council direction at the 21 September meeting.

2) Solid Waste Collection Fee Increase Recommendation

The City of Hutto charges solid waste customers \$15 - \$19 per fee schedule below. Two issues related to current fee and schedule: 1) A portion of this amount has been related to Street Maintenance and goes to the General Fund; and 2) the remaining amount is the exact amount that is paid to Clawson, which does not allow for uncollectible amount or for administrative services transfer to Fund 50 where the employees salaries (for PW Administration and Utility Billing Administration) are paid. Below is the current schedule and the newly proposed schedule (which shows a need increase to cover cost of \$1.20 - \$1.39 per month).

Solid Waste Fee include Solid Waste, Recycling, and Bulky Waste

	95 Gallon Solid Waste 95 Gallon Recycling	95 Gallon Solid Waste 65 Gallon Recycling	65 Gallon Solid Waste 95 Gallon Recycling	65 Gallon Solid Waste 65 Gallon Recycling
Monthly Fee dependent on Bin Size	18.35	17.59	16.25	15.49
Sales Tax	1.51	1.45	1.34	1.28
Total Monthly Charge	19.86	19.04	17.59	16.77

Additional Carts: 50% of monthly rate

Tenant Clean Out (includes up to 10 cubic yards): \$150

Additional pickup request (includes up to 3 cubic yards or 6 carts): \$8.75 per pickup

Change from Current Rate

New Monthly Charge	19.86	19.04	17.59	16.77
Old Monthly Charge (actual billing with tax adj)	18.66	17.79	16.25	15.38
Increase from current bill	1.20	1.25	1.34	1.39

3) Public Facility Rental Addition-Section A4.000

This request is to amend Section A1.004 of the Hutto Fee Schedule. The Parks and Recreation

AGENDA ITEM REPORT

11.1.



Department would like to add Riverwalk Soccer Fields to Section A1.004 (3) Athletic Fields. We will have 3 fields for rental with no lights and 2 fields with lights. The staff is proposing the same fees as for other athletic field rentals.

Hourly Non-Lighted:

Resident: \$75 per hour (2-hour minimum)

Non-Resident: \$100 per hour (2-hour minimum)

Hourly Lighted:

Resident: \$100 per hour (2-hour minimum)

Non-Resident: \$125 per hour (2-hour minimum)

Deposit:

Private Parties: \$200

Corporations: \$400

SUMMARY OF REQUEST:

Approve Ordinance on Second Reading

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

Second Reading -- fees were discussed at length with fiscal impacts presented at the 21 September meeting

ATTACHMENTS:

1. Hutto Ord Fees 2024 9.18.23 revised (002)
2. Current schedule with FY redlines - Ethan Updates 09.28

ORDINANCE NO. O-2023-066

AN ORDINANCE OF THE CITY OF HUTTO, TEXAS ADOPTING THE HUTTO SCHEDULE OF FEES AND CHARGES FOR FISCAL YEAR 23/24, APPENDIX A OF THE HUTTO CODE OF ORDINANCES; AMENDING, ARTICLE A3.001 FOR AN INCREASE FOR SOLID WASTE, COLLECTION FEES, UTILITY BILLING RATES, SECTION, ARTICLE A4.000 PUBLIC FACILITY RENTALS, AND CONSOLIDATING FEES AND ESTABLISHING COSTS AND FEES CHARGED BY THE CITY OF HUTTO; PROVIDING AN OPEN MEETINGS CLAUSE PROVIDING FOR A PENALTY FOR A VIOLATION OF §1.01.009 OF THE HUTTO CODE OF ORDINANCES; PROVIDING FOR PUBLICATION;AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto (the “City”) has established by ordinance certain fees for licenses, permits, and services provided by the City; and

WHEREAS, the City has conducted a review and a consolidation of certain fees for licenses, permits, and services provided by the City; and

WHEREAS, the fees, costs and expenses charged by the City amending Article A3.001 for an increase for Solid Waste, Collection Fees, Utility Billing rates, Section, Article A4.000 Public Facility Rentals, and organized and consolidated; and

WHEREAS, the Schedule of Fees, which is included in the Fiscal Year 23/24 Budget as Appendix A and attached hereto as Fee Schedule, Appendix A and reflects revisions to certain fees, a restatement of certain fees not revised, and a consolidation of fees.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION 1. That the foregoing recitals are hereby found to be true and correct and are hereby adopted by the City Council and made a part hereof for all purposes and findings of fact.

SECTION 2. All persons, firms, or corporations applying for licenses or permits or receiving other City services described in the Fee Schedule Appendix A as provided for in Attachment “A”, that require the payment of a fee incident to such application or service shall pay the fees as prescribed in the Fee Schedule, Appendix A, Attachment “A”, which is hereby made a part of this Ordinance as if fully set forth herein. It shall be a violation of this Ordinance to conduct any activity or commence any use or receive any service for which payment of a fee described within the Fee Schedule is required until such fee has been paid (if required to be paid in advance) or to fail to pay such fee when properly billed.

SECTION 3. The City Council may, from time to time, by ordinance add to the fees set forth on the Fee Schedule, and the fees now or hereafter set forth on the Fee Schedule, Appendix A may be modified from time to time by resolution of the City Council.

SECTION 4. If any provision of this Ordinance is illegal, invalid, or unenforceable under present or future laws, the remainder of this Ordinance will not be affected and, in lieu of each illegal, invalid, or unenforceable provision, a provision as similar in terms to the illegal, invalid, or unenforceable provision as is possible and is legal, valid, and enforceable will be added to this Ordinance.

SECTION 5. That all provisions of the ordinances of the City of Hutto in conflict with the provisions of this ordinance be, and the same are hereby, repealed, and all other provisions of the ordinances of the City of Hutto not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 6. A violation of this Ordinance shall be a Class C misdemeanor with fine of not more than \$500.00 as prescribed in §1.01.009, General Penalty for Violation of Code; Continuing Violations of the Hutto Code of Ordinances. If any other ordinance, including the Code of Ordinances, establishes a different penalty for the failure to pay any fee reflected on the Fee Schedule, the provisions of such other ordinance or the Code of Ordinances shall control with respect to such penalty.

SECTION 7. This Ordinance shall be effective upon passage on the second reading followed by publication in full or by caption in two successive issues of the official newspaper of the City, pursuant to Section 3.13 of the City Charter.

READ and APPROVED on the first reading this the **21st** day of **September 2023**.

READ, PASSED, and ADOPTED on the second reading of this **28th** day of **September 2023** at a regular meeting of the City Council of Hutto, there being a quorum present.

CITY OF HUTTO, TEXAS

By: _____
Mike Snyder, Mayor

ATTEST:

By: _____
Angela Lewis, City Secretary

APPENDIX A

FEE SCHEDULE

ARTICLE A1.000 DEVELOPMENT SERVICES, ENGINEERING AND CONSTRUCTION

Sec. A1.001 Zoning fees

- 1) Temporary use permits: \$300.00.
- 2) Zoning change: \$750.00 up to 5 acres. \$100.00 for each additional 5 acres.
- 3) Planned unit developments (PUD): \$2,750.00 up to 20 acres. 20 acres or more \$4,000 plus \$100 for each additional acre or portion thereof. * Max of \$6,000
- 4) Planned unit development (PUD) amendment: 75% of regular planned unit development (PUD) fee.
- 5) Zoning variance: \$400.00.
- 6) Development agreements: \$3,000.00. This Development Agreement Fee does not include the PID or MUD fee or the pass-through cost of the legal review fees.
- 7) Development agreement amendment: \$1,500.00. The amendment fee does not include the pass-through cost of the legal review fee.
- 8) Form based code submittal: \$500.00 up to 80 acres. \$100.00 for each additional 5 acres.
- 9) Form based code amendment: 75% of regular form-based code submittal fee.
- 10) Annexation (voluntary): \$500.00.
- 11) Specific use permit: \$500.00.
- 12) Zoning verification letter: \$50.00.**
- 13) Minor Modification (historic district only): \$500.00
- 14) Traffic impact analysis: \$400.00 plus professional recovery fee (amount invoiced by the traffic consultant hired by the city).**
- 15) Technology fee: \$25.00 except where indicated by **.
- 16) Notices:
 - a) Published: \$150.00. If the applicant requests postponement, the applicant shall incur the costs of a new published notice(s).
 - b) Mailed: \$1.00 per mailed notice.
 - i) For residential variances, the first fifty (50) notices are included in the initial application fee. Any notices over fifty (50) shall be \$1.00 per notice.
 - c) On-site public hearing notification sign: \$25.00 per sign.
 - d) Written notice of each public hearing before the planning and zoning commission and/or city council shall adhere to the following chart:

Procedure	Published	Mailed	Notification distance	On-site public hearing notification signs placed	Notice posted on the city website
Planning Policy					
Comprehensive plan text amendment	*				*
Comprehensive plan map amendment	*				*
Code amendment	*				*
Annexation					
Voluntary	•	•	200 feet		•
Involuntary	•	•	200 feet		•
Zoning					
Zoning application	•	•	600 feet*	•	•
PUD development plan/rezoning•	•	600 feet*	•	•	
Specific use permit	•	•	600 feet*	•	•
Platting					
Preliminary Plat	•	•	200 feet		•
Replat	•	•	200 feet		•
Variances					
Residential variance***	•	•	200 feet	•	•
Commercial variance	•	•	600 feet*	•	•
Historic preservation					
Certificate of appropriateness					•

*Any proposed building over four-stories shall require an additional 100 ft distance per floor up to a maximum 1,000 ft notification distance.

Sec. A1.002 Appeals

- 1) Administrative appeal (zoning board of adjustment): \$500.00.**
- 2) All other appeals (city council): \$150.00.**

Sec. A1.003 Subdivision fees

- 1) Development Assessment Review: \$1,100.00
- 2) Preliminary plat: \$1,550.00 plus \$25.00 per lot; plus \$20.00 per acre of right-of-way.
- 3) Preliminary plat revision: 75% of regular major subdivision preliminary plat fee.
- 4) Final plat: \$1,000.00 plus \$25.00 per lot; plus \$20.00 per acre of right-of-way.
- 5) Plat vacation: \$500.00.
- 6) Amended plat of subdivision: \$500.00 plus \$25.00 per lot.
- 7) Plat recordation processing fee: \$50.00 plus Williamson County plat recordation fees.**
- 8) Minor/short form final plat: \$500.00.
- 9) Right-of-way vacation/abandonment/license to encroach (public utility, right-of-way and drainage easement): \$250.00**. Requires amendment plat.
- 10) GIS fee: \$25.00 per application unless otherwise stated herein. \$25 per lot for Preliminary Plats, Amended Plats, and Short Form Plats.**
- 11) Subdivision public improvements/construction inspection fee:
 - a) First 100 acres - \$1,500 per acre
 - b) Next 150 acres - \$750 per acre
 - c) All additional acres over 250 acres - \$325 per acre
 - d) Off-site infrastructure - \$7.50 per linear foot per infrastructure item (i.e., streets, drainage, water, wastewater, etc.)
- 12) Plan extension request (1-year extension): \$250.00.**
- 13) Subdivision public improvements/construction plan review:
 - a) Initial Submittal
 - b) First 100 acres - \$500 per acre
 - c) Next 150 acres \$250 per acre
 - d) All additional acres over 250 acres - \$125 per acre
 - e) Off-site Infrastructure - \$2.50 per linear foot per infrastructure item (i.e., streets, drainage, water, wastewater, etc.)
 - f) Resubmittal (each resubmittal) - \$500 or 10% of initial submittal fee whichever is greater
- 14) Legal lot determination: \$50.00.**
- 15) Subdivision variance: \$300.00.
- 16) Traffic impact analysis: \$400.00 plus professional recovery fee (amount invoiced by the traffic consultant hired by the city).**
- 17) Technology fee: \$25.00 except where indicated by**
- 18) Service extension request application fees:
 - a) Request not requiring city participation: \$200.00.
 - b) Request requiring city participation: \$500.00.
 - c) Technology fee: \$25.00.

Sec. A1.004 Development fees

1) Parkland fee-in-lieu of land dedication fees:

- a) Residential: \$800.00 per unit.
- b) Nonresidential: \$975.00 (minimum); \$975.00 per acre for 3 or more acres.

2) SER Review of Water and Wastewater Fee:

- a) Administration Fee for SER Review of Water and Wastewater: \$300.00
- b) Water:

Tier	LUE Range	Corresponding Peak Hour Flow	Fee Per SER
Tier 1	0-149 LUE's	326 gpm (0.47 mgd)	\$1,600.00
Tier 2	150-299 LUE's	654 gpm (0.94 mgd)	\$2,460.00
Tier 3	300-899 LUE's	1,967 gpm (2.83 mgd)	\$3,630.00
Tier 4	900-1,499 LUE's	3,297 gpm (4.72 mgd)	\$5,320.00

Any development submitted to the City with a proposed LUE count of 1,500 or above will require a separate project-specific SER review fee negotiation

c) Wastewater

Tier	LUE Range	Corresponding Peak Flow in Gravity Line*	Fee Per SER
Tier 1	0-149 LUE's	Up to 15% of 15-inch gravity line at minimum slope flowing full	\$2,340.00
Tier 2	150-299 LUE's	Up to 15% of 21-inch gravity line at minimum slope flowing full	\$3,690.00
Tier 3	300-899 LUE's	Up to 15% of 36-inch gravity line at minimum slope flowing full	\$5,130.00
Tier 4	900-1,499 LUE's	N/A	\$9,690.00

*Full pipe capacity calculated minimum slope as per the City Utility Criteria Manual (UCM). Peak flow calculated using Peak Wet Weather Flow per the City UCM.

Any development submitted to the City with a proposed LUE count of 1,500 or above will require a separate project-specific SER review fee negotiation

Sec. A1.005 Site plan fees

- 1) Site plan review fee: \$1,000.00 plus \$100.00 per acre. A resubmittal fee of 25% of the original fee is due at the third submittal for the project, 33% of the original fee at the fourth submittal, and 50% of the original fee for any review after the fourth submittal
- 2) Site plan revision: Half of the original site plan fee for the project.
 - a) Technology fee: \$25.00.
- 3) Site inspection fee: \$200.00 plus \$0.05/sq. ft. for impervious cover.
- 4) Site inspection fee (public improvements only): 3% of cost of public improvements.

- 5) Minor deviations/design modifications: \$200.00 plus \$0.05/sq. ft. for impervious cover.
- 6) Fire review fees: Fire review fees shall be established by the Williamson County Emergency Services District No. 3.
- 7) Right-of-way use permit fees. Driveway/flatwork/sidewalk/curb cut only:
 - a) Application fee: \$100.00.
 - b) Inspection fee: \$85.00 for residential, \$100.00 for commercial.
 - c) Technology fee: \$5.00.
- 8) Right-of-way use permit fees:
 - a) Application fee (applied to inspection fee): \$500.00.
 - b) \$500.00 or 3% of construction cost inspection fee, whichever is greater.
- 9) Clearing and grading permit fees:
 - a) Application fee: \$100.00.
 - b) Technology fee: \$7.00.
- 10) Regional Stormwater Management fees:
 - a) Single-family: \$1,600.00 per acre
 - b) Multifamily: \$3,200.00 per acre
 - c) Commercial/Industrial: \$4,800.00 per acre

Sec. A1.006 Building plan review fees

Building plan review fees:

- 1) New residential building permit fee: \$1,600.00 flat fee.
- 2) Residential addition/remodel building permit fee: \$75.00
- 3) Commercial: 65% of commercial permit fee. Required for all new commercial construction and commercial addition permits.
- 4) Building Permit Revisions: professional recovery fee (amount invoiced by the third party consultant)
- 5) Certificate of appropriateness (historic district only):
 - a) Minor projects: \$30.00.
 - b) Major projects (i.e., new construction): \$250.00.
 - c) Technology fee: \$7.00.
- 6) Master plan submittal: \$500.00 per new home plan compliance review.

Sec. A1.007 Building permit fees

- 1) Payment. Fees for building permits double if work on the project begins prior to issuance of the permit. All permit fees are to be paid in advance by the licensed party who applies for the permit. Building valuation is determined by the International Code Council (ICC) Building Valuation Data Table (BVD). This calculation takes the total square feet of a structure multiplied by the amount found on the BVD table for the building group and construction type.
- 2) New commercial/residential addition/commercial addition/commercial remodel permit fees: Includes required inspections. Reinspection are an additional fee. All fees are based on the most recent ICC valuation table.
 - a) Inspection/Reinspection: \$85.00 residential and \$100.00 commercial/multi-family (each inspection). After 3rd failed inspection, must wait 2 business days for reinspection.
 - i) MedGas Inspection: \$250.00 per inspection.
 - b) Technology fee:

- i) Residential building permit: \$10.00.
 - ii) Commercial building permit: \$20.00.
- 3) Miscellaneous permits/inspections by type:
- a) Technology fee: \$7.00 for all miscellaneous permits, except where indicated by **.
 - b) Move-in permit fee (modular structure): \$150.00.
 - c) Demolition:
 - i) Residential: \$50.00.
 - ii) Commercial: \$150.00.
 - d) Storage building permit: \$50.00 review fee, if over 200 square feet \$100.00, plus required inspection(s). Reinspection are an additional fee.
 - e) Water softener, water heater, irrigation, spa, hot tub, HVAC, solar panel, and wind turbine permits: \$50.00, plus required inspection(s) fees. Reinspection are an additional fee.
 - f) Pool permit (in ground): \$25.00 review fee, plus \$0.10 per square foot if over 200 square feet, plus required inspection(s) fees. Reinspection are an additional fee.
 - g) Pool permit (above ground, over 24" tall): \$25.00 review fee, plus \$0.10 per square foot if over 200 square feet, plus required inspection(s) fees. Reinspection are an additional fee.
 - h) Patio/deck permit: \$50.00 review fee, if over 200 square feet \$100.00, plus required inspection(s) fees. Reinspection are an additional fee.
 - i) Fire safety inspection: Fire safety inspection for commercial buildings is set by Williamson County Emergency Services District No. 3.
 - j) Tree removal permit:**
 - i) Undeveloped or redevelopment site:
 - (1) Trees with a DBH of at least 6", regardless of health: Permit required; no fee.
 - (2) Nuisance, diseased, dangerous or dead trees: No permit required; no fee.
 - ii) Developed site:
 - (1) Trees with a DBH of at least 2.5", regardless of health: Permit required; no fee.
 - (2) Nuisance, diseased, dangerous or dead trees: No permit required; no fee.
 - k) HUD-code manufactured home fees:
 - i) Permit application fee: \$100.00.
 - ii) License application or renewal fees: \$50.00.
 - iii) License transfer fee: \$50.00.
 - l) Sign permits:
 - i) Regular signs (on buildings or freestanding):
 - (1) Signs meeting code requirements, fee due upon application: \$5.00 per square foot of facing.
 - (2) Sign master plan application fee: \$100.00.
 - ii) Signs requiring variances:
 - (1) Processing fee: \$100.00.
 - (2) If variance approved: \$15.00 per square foot of facing.
 - (3) If variance approved for sign master plan: \$10.00 per square foot of facing.
 - iii) Temporary signs:
 - (1) Temporary commercial signage, per sign: \$50.00.
 - (2) A-frame sign: \$30.00 (1 year).

(3) Public information sign: Permit required; no fee.**

(4) Political sign: No permit required; no fee.**

- m) Certificate of occupancy (change of commercial tenant or ownership): \$50.00 plus inspection fee
- n) Temporary certificate of occupancy: \$250.00 per issuance.
- o) Occupation of a structure prior to issuance of a certificate of occupancy: \$100.00 per day of occupancy prior to issuance of a certificate of occupancy.
- p) Temporary job/construction trailer: \$30.00.
- q) Remodel-residential: \$50.00 plus required inspection(s) fees. Reinspection are an additional fee.
- r) Inspection for habitable dwelling. Building or home 5 years or older: \$100.00.
- s) All inspections and reinspection not listed above: \$85.00 each residential and \$100.00 each commercial.**
After 3rd failed inspection, must wait 2 business days for reinspection and reinspection is \$100.00 for residential and \$125 for commercial.
- t) Building and Standards Application: \$500.00 plus professional recovery fee (amount invoiced by the building consultant if required and hired by the city).

Sec. A1.008 Map and plan documents

1) Printed map products:

- a) Black and white or color map:
 - i) 8.5" x 11": \$5.00.
 - ii) 11" x 17": \$10.00.
 - iii) 34" x 48": \$20.00.
- b) Map tube: \$2.00.
- c) Postage: \$4.00 depending on additional postage fees.
- d) 2-day request: \$40.00.
- e) As-built plans (24" x 36"): \$10.00.

2) GIS/CD/e-mail products:

- a) PDF file: \$10.00.
- b) JPG file: \$10.00.
- c) CD: \$15.00.
- d) DVD: \$15.00.
- e) Postage: \$4.00 depending on additional postage fees.
- f) Shape file:
 - i) Each layer: \$35.00.
 - ii) Parcel layer: \$70.00.
- g) Aerial:
 - i) Individual panels (per panel): \$35.00.
 - ii) All panels: \$860.00.
- h) As-built plans (electronic): \$25.00.

- 3) GIS custom maps: GIS is not authorized to prepare custom maps. However, should the preparation of a custom map be authorized by the planning director, the customer will be charged on a per-hour basis. \$75.00 for the first hour, \$35.00 for each additional hour.

Sec. A1.009 Right-of-way fees for network providers

- 1) Application fees. The application fees shall be assessed on the number of node support poles and/or network nodes contained in an application for installation at the following rates:
 - a) Five hundred dollars (\$500.00) per application. This amount will cover applications covering up to five network nodes;
 - b) For applications with more than five network nodes, there shall be an additional two hundred and fifty dollars (\$250.00) fee for each additional network node (limit of 30 nodes total); and
 - c) One thousand dollars (\$1,000.00) per application for each node support pole.
- 2) Rent from network providers.
 - a) Network nodes. The annual network node site rental rate as set in chapter 284 sec. 284.053, Tex. Loc. Gov. Code, shall be \$250.00 per network node, with annual CPI adjustment as provided for in chapter 284, section 284.054.
 - b) Poles. Chapter 284, section 284.053 does not provide a separate rate for poles.
 - c) Transport facility. The annual transport facility rental rate as set in chapter 284 section 284.055 shall be \$28.00 monthly for each network node, unless an equal or greater amount is paid the city, e.g., under chapter 283, Tex. Loc. Gov. Code or chapter 66, Tex. Util. Code.
- 3) Annual collocation on service pole attachment fee. Twenty dollars (\$20.00) per network node permitted to be collocated on a city service pole.

ARTICLE A2.000 PUBLIC SAFETY

Sec. A2.001 Police department fees

- 1) Hourly rate for police unit (vehicle) on security detail, per hour: \$15.00.

Sec. A2.002 Animal control fees

Animal control: [chapter 4](#) of the Code of Ordinances. All fees set forth shall apply as adopted by the county commissioner's court for the regional animal shelter, as amended.

- 1) Dog registration for sterilized animal, per tag: \$5.00.
- 2) Dog registration for unsterilized animal, per tag: \$10.00.
- 3) Impoundment fee, registered: \$30.00.
- 4) Impoundment fee, unregistered: \$60.00.
- 5) Return charge for loose livestock that are picked up, per occurrence: \$65.00.
- 6) Holding fee, per day: \$10.00.
- 7) Rabies vaccination, per animal: \$15.00.
- 8) Pick up deceased owner animal, per animal: \$25.00.
- 9) Fee for dropping off animal - owner surrender, per occurrence: \$25.00.
- 10) Additional drop-off fee with litter, per occurrence: \$25.00.

Sec. A2.003 Traffic fines

The municipal judge has discretion to charge the maximum fee per state law depending on the violation. In addition to traffic fines, a person convicted of a misdemeanor shall pay court cost mandated by the state. Other fines charged are established in the Code of Ordinances and state law.

Sec. A2.004 City ordinances

As stated in chapter 1, [section 1.01.009](#) of the code, the city council may establish the following penalties:

- 1) A fine up to \$2,000.00 in all cases arising under the ordinances, resolutions, rules or orders that govern: fire safety, zoning, public health and sanitation;
- 2) A fine up to \$4,000.00 in all cases arising under the ordinances, resolutions, rules or orders that govern illegal dumping of refuse; and
- 3) A fine up to \$500.00 for all other city violations.

Sec. A2.005 Unlawful passing of school buses

Unlawfully passing a school bus is punishable by a fine of \$500.00–\$1,250.00 for first offense, or \$1,000.00–\$2,000.00 for second or subsequent offense.

Sec. A2.006 Failure to maintain motor vehicle liability insurance

Conviction of this offense is a misdemeanor punishable by a fine of not less than \$175.00 or more than \$350.00; if a person has been previously convicted of this offense, it is punishable by fine of not less than \$350.00 or more than \$1,000.00.

Sec. A2.007 Parked in handicap zone

Conviction of this offense is a misdemeanor punishable by a fine of not less than \$500.00 or more than \$750.00; if a person has been previously convicted of this offense, it is punishable by a fine not less than \$550.00 or more than \$800.00; and if that person has been convicted three times of this offense, a fine of not less than \$800.00 or more than \$1,100.00.

Sec. A2.008 Time payment fee (article 102.030 Code of Criminal Procedure)

Municipal court shall collect a fee of \$15.00 from a person who has been convicted, pays any part of a fine, court cost or restitution on or after the 31st day after the date judgment is entered.

Sec. A2.009 Food sanitation fees (25 Texas Administrative Code section 229.161–171, 229.173–175)

Fees under this subsection are to be reviewed and regulated by the county and cities health district.

ARTICLE A3.000 PUBLIC WORKS

Sec. A3.001 Solid waste collection

- 1) Monthly fees. Monthly fees are based on cart selection. Bulky waste pickup is not included with the 65-gallon solid waste cart selection.

Solid Waste Fee include Solid Waste, Recycling, and Bulky Waste

	95 Gallon Solid Waste 95 Gallon Recycling	95 Gallon Solid Waste 65 Gallon Recycling	65 Gallon Solid Waste 95 Gallon Recycling	65 Gallon Solid Waste 65 Gallon Recycling
Monthly Fee dependent on Bin Size	18.35	17.59	16.25	15.49
Sales Tax	1.51	1.45	1.34	1.28
Total Monthly Charge	19.86	19.04	17.59	16.77

Additional Carts: 50% of monthly rate

Tenant Clean Out (includes up to 10 cubic yards): \$150

Additional pickup request (includes up to 3 cubic yards or 6 carts): \$8.75 per pickup

- 2) Additional carts: 50% of monthly rate.
- 3) Tenant clean out (includes up to 10 cubic yards): \$150.00.
- 4) Additional pickup request (includes up to 3 cubic yards or 6 carts): \$8.75 per pickup.

Sec. A3.002 Assessments

- 1) Lot cleanup: Actual cost plus \$100.00 administrative fee.

ARTICLE A4.000 PUBLIC FACILITY RENTALS

Sec. A4.001 Facilities and equipment rental

Rental procedures and forms will be set and made available through the parks and recreation department.

1) Generally.

- a) A security deposit shall be required to rent park facilities. Upon inspection and determination that facilities have not been damaged and clean-up cost have not been incurred, the deposit shall be refunded.
- b) A fee will be charged for the preparation of athletic fields (striping).
- c) A per hour, per staff member fee will be charged if a city employee is required to be present during usage.

2) Park facilities.

	Resident	Nonresident	Deposit	
			Private Parties	Corporations
Fritz Park Large Pavilion				
Hourly rate (2-hr minimum)	\$20.00	\$30.00	\$200.00	\$400.00
Half day rate	\$140.00	\$210.00	\$200.00	\$400.00
Full day rate	\$300.00	\$450.00	\$200.00	\$400.00
Hutto Community Park Pavilion				
Hourly rate (2-hr minimum)	\$10.00	\$15.00	\$200.00	\$400.00
Half day rate	\$70.00	\$105.00	\$200.00	\$400.00
Full day rate	\$150.00	\$225.00	\$200.00	\$400.00
Adam Orgain Pavilions				
Hourly rate (2-hr minimum)	\$20.00	\$30.00	\$200.00	\$400.00
Half day rate	\$140.00	\$210.00	\$200.00	\$400.00
Full day rate	\$300.00	\$450.00	\$200.00	\$400.00
Hutto Lake Park Pavilion				
Hourly rate (2-hr minimum)	\$10.00	\$15.00	\$200.00	\$400.00
Half day rate	\$70.00	\$105.00	\$200.00	\$400.00
Full day rate	\$150.00	\$225.00	\$200.00	\$400.00
Glenwood Pavilion				
Hourly rate (2-hr minimum)	\$10.00	\$15.00	\$200.00	\$400.00
Half day rate	\$70.00	\$105.00	\$200.00	\$400.00

Full day rate	\$150.00	\$225.00	\$200.00	\$400.00
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3) Athletic fields:

	Resident	Nonresident	Deposit	
			Hourly	4 or more hours
Holmstrom Field				
Hourly (lights)	\$100.00	\$125.00	\$100.00	\$400.00
Hourly (no lights)	\$75.00	\$100.00	\$100.00	\$400.00
Nguyen Field				
Hourly (lights)	\$150.00	\$175.00	\$100.00	\$400.00
Hourly (no lights)	\$75.00	\$100.00	\$100.00	\$400.00
Mager Fields (per field)				
Hourly (lights)	\$100.00	\$125.00	\$100.00	\$400.00
Hourly (no lights)	\$75.00	\$100.00	\$100.00	\$400.00
Creek Fields (per field)				
Hourly (no lights)	\$25.00	\$50.00	\$100.00	N/A
Riverwalk Soccer Fields (per field)				
Hourly (Lights)	\$100.00	\$125.00	\$100.00	\$400.00
Hourly (no lights)	\$75.00	\$100.00	\$100.00	\$400.00

4) Concession facilities.

	Resident Daily Rate	Nonresident Daily Rate	Deposit
Holmstrom			
Monday–Friday	\$15.00	\$15.00	\$300.00
Saturday–Sunday	\$50.00	\$50.00	\$300.00
Mager			
Monday–Friday	\$15.00	\$15.00	\$300.00
Saturday–Sunday	\$50.00	\$50.00	\$300.00

5) Field preparation and staffing.

	Football	Soccer	Baseball/Softball
Stripping fee	\$150.00	\$100.00	\$35.00
Staffing (as needed, hourly)	\$25.00	\$25.00	\$25.00

6) Equipment. Equipment may be rented if available, in conjunction with a paid field rental and deposit.

Equipment - Per day	Fee
Field equipment	\$35.00

7) Brushy Creek Amphitheater

Adam Orgain/Brushy Creek Amphitheater	Resident Rate	Non-Resident Rate	Deposit
Amphitheater Non-Commercial Rate (per day)	\$2,000.00	\$2,400.00	\$400.00
Amphitheater Commercial Rate (per day)	\$3,000.00	\$3,600.00	\$400.00
Parking Lot & Pavilion A	\$700.00	\$950.00	\$400.00
Festive Site & Pavilion B Non-Commercial Rate (per day)	\$1,800.00	\$2,250.00	\$400.00
Festive Site & Pavilion B Commercial Rate (per day)	\$2,300.00	\$2,850.00	\$400.00
Green Room Non-Commercial (2 hours minimum)	\$50.00/hour	\$75.00/hour	\$400.00
Green Room Commercial (2 hours minimum)	\$75.00/hour	\$100.00/hour	\$400.00
Amphitheater & Festive Site & Pavilion B Non-Commercial (per day)	\$2,800.00	\$3,450.00	\$400.00
Amphitheater & Festive Site & Pavilion B Commercial (per day)	\$3,800.00	\$4,450.00	\$400.00

Sec. A4.002 Youth sports association facility fees

- 1) All youth associations will be required to pay no less than a \$5.00 nonresident fee per season for each nonresident child in the association.
- 2) A formal agreement, approved by the city council, with each sports association may establish a separate fee schedule.

Youth Leagues	Fees
Electric rate - hourly	\$20.00
Per nonresident rate	\$50.00

Sec. A4.003 Recreation program fees

All recreation program fees are set by the director of parks and recreation on a case-by-case basis. Nonresidents shall pay a \$5.00 surcharge per class.

ARTICLE A5.000 UTILITIES

Sec. A5.001 Deposits for water and wastewater accounts

Deposits for all water and wastewater accounts per connection. If average monthly consumption is found to be in excess of the minimum, the customer may be assessed an additional deposit as determined by the city manager.

1) Water and wastewater, per customer:

- a) Good payment history: \$0.00.* Deposit may be waived with a letter of good credit ([section 24.04.038](#)) or through a credit check.
- b) Average payment history: \$150.00.**
- c) Poor payment history: \$250.00.**

*\$150.00 deposit will be charged for any customer without a deposit who is disconnected for nonpayment.

**An additional \$50.00 deposit will be charged to customers disconnected for nonpayment.

***Final determination of credit history to be made by the city utility billing supervisor.

2) Wastewater only:

- a) Good payment history: \$0.00.* Deposit may be waived with a letter of good credit ([section 24.04.038](#)) or a through credit check.
- b) Average payment history: \$100.00.**
- c) Poor payment history: \$200.00.**

**An additional \$50.00 deposit will be charged to customers disconnected for nonpayment.

***Final determination of credit history to be made by the city utility billing supervisor.

3) Nonresidential deposits: Nonresidential deposits are outlined in [section 24.04.038](#) in the Code of Ordinances. The minimum nonresidential deposit is equal to the residential deposit.

4) Temporary meters, per meter: \$1,500.00.

Sec. A5.002 Connection fees

1) Water:

- a) 5/8" and 3/4" meter: \$600.00.
- b) 1" meter: \$750.00.
- c) 1-1/2" meter: \$1,100.00.
- d) 2" meter: \$1,300.00.
- e) Above 2" meter: Actual meter costs plus \$300.00.

2) Wastewater:

- a) Up to 8" connection: \$850.00 inside city; \$300.00 developer installed.
- b) Above 8" meter: Actual materials and labor costs plus \$500.00; \$300.00 developer installed.

Sec. A5.003 Other service charges

1) New account charge/transfer account charge: \$35.00.

2) Processing fee due to disconnection of services for nonpayment: \$50.00. (Jonah and Manville customers will be assessed this processing fee plus an additional \$50.00 disconnect fee charged by those providers.)

3) After-hours connection fee/reconnection fee: \$50.00 in addition to above.

4) Meter reread charge: \$25.00.

5) Tampering with a locking device: \$250.00.

6) Return trip fee: \$35.00, required if technician has to return location to connect water due to customer action.

- 7) Temporary fire hydrant backflow prevention testing: \$75.00.
- 8) Repair service damaged by construction: Cost of materials and labor

Sec. A5.004 Impact fees

- 1) For plats recorded between November 21, 2006, and January 31, 2013.
 - a) Water, per service unit equivalent: \$4,363.00.
 - b) Wastewater, per service unit equivalent: \$1,068.00.
- 2) For plats recorded between February 1, 2013, and February 3, 2021.
 - a) Water, per service unit equivalent: \$3,625.00.
 - b) Wastewater, per service unit equivalent: \$2,128.00.
- 3) For plats recorded after February 4, 2021.
 - a) Water, per LUE: \$8,832.00.
 - b) Wastewater, per LUE: \$2,788.00
- 4) **Traffic Impact Fee**
 - a) Residential Land Use per Vehicle Mile: \$784.31
 - b) Non-Residential Land Use per Vehicle Mile: \$400.00

Sec. A5.005 Retail water and wastewater rates

- 1) Outside city rates: Outside city rates are 1.15 times inside city rates.
- 2) Water rates:
 - a) Minimum monthly charge (demand):

Meter Size	Inside City	Outside City
5/8" and 3/4" meter	\$25.48	\$29.30
1" meter	\$38.24	\$43.97
1-1/2" meter	\$63.72	\$73.28
2" meter	\$127.44	\$146.55
3" meter	\$203.91	\$234.50
4" meter	\$407.80	\$468.97
6" meter	\$637.19	\$732.77
8" meter	\$1,274.39	\$1,465.55

- b) Volume rate (per 1,000 gallons):

	Inside City	Outside City
Single-family residential:		
Monthly use between:		
0 to 5,000 gallons	\$5.08	\$5.84
5,001 to 12,000 gallons	\$6.60	\$7.59
12,001 to 25,000 gallons	\$8.90	\$10.24
25,001 gallons or more	\$12.00	\$13.80

Nonresidential, all consumption		
Monthly use between:		
0 to 25,000 gallons	\$7.81	\$8.98
25,001 gallons or more	\$8.57	\$9.86
Irrigation, all consumption	\$8.90	\$10.24
Construction, all consumption	\$8.90	\$10.23

3) Wastewater rates:

a) Minimum monthly charge (demand):

Meter Size	Inside City	Outside City
5/8" and 3/4" meter	\$25.31	\$29.11
1" meter	\$39.49	\$43.68
1-1/2" meter	\$63.29	\$72.78
2" meter	\$126.56	\$145.56
3" meter	\$202.50	\$232.88
4" meter	\$405.01	\$465.75
6" meter	\$632.83	\$727.76
8" meter	\$1,265.66	\$1,455.51

b) Volume rate (per 1,000 gallons):

	Inside City	Outside City
Residential*	\$6.33	\$7.28
Nonresidential**	\$7.28	\$8.36

c) Monthly rate (volume and demand):

	Inside City	Outside City
Flat rate customers	\$60.38	\$69.43

d) Drainage fee: \$4.00 per customer per month.

a) *Based on winter water use average.

a) **Based on monthly water meter readings. Nonresidential customers with a 5/8" or 3/4" water meter will continue to base their bill on the winter water use average unless a separate irrigation meter is installed. Wastewater-only customers must report monthly water readings. Late or underreported usage will be subject to late fees in accordance with [section 24.04.040](#) and disconnection for nonpayment.

Sec. A5.006 Unmetered fire protection systems

Unmetered fire protection systems, per connection, minimum charge per month, per service size:

1) 2-inch: \$8.00.

- 2) 6-inch: \$20.00.
- 3) 8-inch: \$30.00.

Sec. A5.007 Bulk water rate

Bulk water rate per 1,000 gallons: \$3.50.

Sec. A5.008 Drought contingency plan fees

1) Water allocation surcharges for stage 6 response:

a) Single-family residential customers:

- i) \$10.00 for the first 1,000 gallons over allocation.
- ii) \$15.00 for the second 1,000 gallons over allocation.
- iii) \$20.00 for the third 1,000 gallons over allocation.
- iv) \$25.00 for each additional 1,000 gallons over allocation.

b) Master-metered multifamily residential customers:

- i) \$10.00 for 1,000 gallons over allocation up through 1,000 gallons for each dwelling unit.
- ii) \$15.00 thereafter for each additional 1,000 gallons over allocation up through a second 1,000 gallons for each dwelling unit.
- iii) \$20.00 thereafter for each additional 1,000 gallons over allocation up through a third 1,000 gallons for each dwelling unit.
- iv) \$25.00 thereafter for each additional 1,000 gallons over allocation.

c) Commercial customers:

- i) Customers whose allocation is 0 gallons through 3,000 gallons per month:
 - (1) \$10.00 per thousand gallons for the first 1,000 gallons over allocation.
 - (2) \$15.00 per thousand gallons for the second 1,000 gallons over allocation.
 - (3) \$20.00 per thousand gallons for the third 1,000 gallons over allocation.
 - (4) \$25.00 per thousand gallons for each additional 1,000 gallons over allocation.
- ii) Customers whose allocation is 3,000 gallons per month or more:
 - (1) 3 times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.
 - (2) 5 times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
 - (3) 7 times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
 - (4) 9 times the block rate for each 1,000 gallons more than 15 percent above allocation.

As used herein, "block rate" means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

d) Industrial customers:

- i) Customers whose allocation is 0 gallons through 3,000 gallons per month:
 - (1) \$10.00 per thousand gallons for the first 1,000 gallons over allocation.
 - (2) \$15.00 per thousand gallons for the second 1,000 gallons over allocation.
 - (3) \$20.00 per thousand gallons for the third 1,000 gallons over allocation.
 - (4) \$25.00 per thousand gallons for each additional 1,000 gallons over allocation.
- ii) Customers whose allocation is 3,000 gallons per month or more:
 - (1) 3 times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.

- (2) 5 times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
- (3) 7 times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
- (4) 9 times the block rate for each 1,000 gallons more than 15 percent above allocation.

As used herein, "block rate" means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

- 2) Reconnection charge: Water reconnection charge following discontinuance of water service for conviction of three or more distinct violations of the plan: \$35.00.

ARTICLE A6.000 BUSINESSES

Sec. A6.001 Alcoholic beverage permit and license

Beginning January 1, 2022 there are no permit and license fees.

Sec. A6.002 Peddlers, solicitors, distributors, itinerant vendors and mobile street vendors

- 1) Peddler/solicitor: \$25.00 for each person permitted.
- 2) Distributor: \$25.00 for each person or group of persons.
- 3) Itinerant vendors/mobile street vendors:
 - a) 14-day permit: \$25.00 fee.
 - b) 30-day permit: \$35.00 fee.
 - c) 90-day permit: \$75.00 fee.
 - d) 180-day permit: \$100.00 fee.

ARTICLE A7.000 LIBRARY

- 1) Library cards:
 - a) Nonresident:
 - i) Family: No family cards.
 - ii) Individual: People not living within the city limits and children not currently enrolled in Hutto ISD schools may obtain a library card for \$10.00 annual fee. This will be effective April 1, 2015. This fee will be charged yearly at the time of renewal.
 - b) Replacement:
 - i) For 1st replacement: \$1.00.
 - ii) All additional replacement cards: \$5.00.
- 2) Copy/print and fax:
 - a) Black and white, per impression: \$0.10.
 - b) Color, per impression: \$0.25.
 - c) Fax: \$1.00 for the first page and \$0.25 for subsequent pages for local, toll free and long-distance digital faxing. No international or incoming faxes allowed.
- 3) Fines and fees:

Lost or damaged book fee: Cost of book
- 4) Interlibrary loan: Cost of return postage.

ARTICLE A8.000 MISCELLANEOUS FEES

- 1) Special events permit application fee: \$50.00.
- 2) Street closure permit application fee: \$25.00.
- 3) Fireworks display permit application fee: \$40.00.
- 4) Film application fee: \$500.00.
 - a) Total or disruptive use (regular operating hours) of a public building, park, right-of-way, or public area: \$500.00 per day.
 - b) Partial, nondisruptive use of a public building, park, right-of-way, or public area: \$250.00 per day.
 - c) Total closure or obstruction of public street or right-of-way, including parking lots and on-street parking: \$50.00 per block per day.
 - d) Partial closure or obstruction of a public street or right-of-way, including parking lots and on-street parking: \$25.00 per block per day.
 - e) Use of city parking lots, parking areas, and city streets (for the purpose of parking film trailers, buses,

catering trucks, and other large vehicles): \$50.00 per block or lot per day.

5) Brush collection by city after storm:

- a) Minimum: \$15.00.
- b) Additional time in increments of five minutes: \$5.00.

6) Returned check fee (for any city payment): \$30.00.

7) Credit card processing fee, per transaction: Processing fee of ~~2%~~ 4.25% of the charge amount per transaction.

8) Certified copies:

- a) Standard or legal-size paper copies of city records: \$1.00 per page.
- b) Specialty paper and oversized paper copies of city records: Actual cost of copies plus \$1.00 per page.

9) Notary services: \$6.00/notary, or in accordance with section 406.024 of the Government Code.

(Ordinance O-2021-056 adopted 9/16/21)

AGENDA ITEM REPORT

11.2.



To: City Council
Subject: Consideration and possible action to approve Ordinance No. O-2023-064 of the City of Hutto, Texas approving and adopting a budget for the City of Hutto for the Fiscal Year beginning October 1, 2023 and ending September 30, 2024 for the City of Hutto, Texas (Second Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

Hutto City Charter Section 8.06, Council must adopt an Ordinance adopting the Budget for the ensuing fiscal year. This is the second reading to adopt the Fiscal Year 2024 budget. Summary of first reading adopted budget on 21 September is presented here --

AGENDA ITEM REPORT

11.2.



AGENDA ITEM REPORT

11.2.



PROPOSED FISCAL YEAR 2024 BUDGET

Fund	Revenues	Expenditures	Revenue Less Expenditures	Expected Fund Balance 9/30/2024	Notes
General Fund					
Property Taxes	\$ 11,837,098.83				
Sales Taxes	\$ 11,196,162.04				
Franchise Fees	\$ 1,445,250.00				
Interest Earned	\$ 517,600.00				
Charges for Services (Governmental)	\$ 439,250.00				
Drainage Fees	\$ 871,774.00				
Other Financing Sources	\$ 99,000.00				
Permits and Licenses	\$ 4,159,810.00				
Intergovernmental Revenue	\$ 30,400.00				
Fines	\$ 351,700.00				
Transfers From Other Funds	\$ 350,012.00				
City Manager's Office	\$	\$ 1,034,702			
City Council	\$	\$ 645,669			
Legal	\$	\$ 445,000			
Human Resources	\$	\$ 1,556,274			
Economic Development	\$	\$ 473,803			
Municipal Court	\$	\$ 454,694			
Financial Services	\$	\$ 1,366,986			
Development Services	\$	\$ 2,153,247			
Streets & Drainage	\$	\$ 5,007,226			
Engineering	\$	\$ 867,452			
Construction Inspection	\$	\$ 516,576			
Police	\$	\$ 8,580,964			
City Secretary	\$	\$ 375,744			
Communications	\$	\$ 619,642			
Library	\$	\$ 595,234			
Community Relations	\$	\$ 1,057,600			
Information Technology	\$	\$ 1,458,695			
Emergency Management	\$	\$ 336,926			
Parks and Recreation	\$	\$ 1,801,283			
Fleet Maintenance	\$	\$ 266,991			
Facility Maintenance	\$	\$ 1,089,718			
Non-Departmental	\$	\$ 593,631			
General Fund Total	\$ 31,298,057	\$ 31,298,057	\$ -	\$ 9,382,510	Balanced
Other Funds					
General Debt Service Fund	\$ 6,415,751	\$ 6,415,751	\$ -	\$ 1,832,108	Balanced
Court Security Fund	\$ 10,250	\$ 40,250	\$ (30,000)	\$ 42,085	Use of Fund Balance
Court Technology Fund	\$ 6,150	\$ 14,023	\$ (7,873)	\$ 9,394	Use of Fund Balance
Court Training Fund	\$ 150	\$ 3,633	\$ (3,483)	\$ 3,468	Use of Fund Balance
Truancy-Municipal Court	\$ 11,030	\$ -	\$ 11,030	\$ 28,871	Use of Fund Balance
Jury -Municipal Court	\$ 200	\$ -	\$ 200	\$ 587	Use of Fund Balance
Hotel Tax Fund	\$ 193,000	\$ 355,000	\$ (162,000)	\$ 320,513	Use of Fund Balance
Hutto Police Seizure Fund	\$ 6,000	\$ 20,000	\$ (14,000)	\$ 29,802	Use of Fund Balance
Park Improvement Fund	\$ 715,000	\$ 1,752,500	\$ (1,037,500)	\$ 2,145,926	Use of Fund Balance / Includes \$740k Expense approved 8/24
PEG Capital Fund	\$ 26,105	\$ 110,832	\$ (84,727)	\$ 92,114	Use of Fund Balance
Hutto Police Lease Fund	\$ 2,850	\$ 16,000	\$ (13,150)	\$ 13,449	Use of Fund Balance
Transportation Improvement Fund	\$ 2,265,000	\$ 2,844,600	\$ (579,600)	\$ 3,314,530	Use of Fund Balance
Cap Projects 2022 GO	\$ 19,585,931	\$ 19,585,931	\$ -	\$ -	Balanced
Coronavirus State and Local Fiscal	\$ 10,250,000	\$ 16,500,000	\$ (6,250,000)	\$ 7,213,609	Use of Prior Received ARPA Funding
2023 GO Bonds	\$ -	\$ 12,000,000	\$ (12,000,000)	\$ 12,222,926	Use of Prior Issued E/W Spine Road Bonds
2024 General Obligation Bonds	\$ 11,000,000	\$ 11,000,000	\$ -	\$ -	Expected issuance of Bonds for Fritz Park
Utility System					
Utility Operating	\$ 18,511,201	\$ 19,825,901	\$ (1,314,701)		One time expenses
Utility Debt Service	\$ 10,733,969	\$ 6,967,747	\$ 3,766,222		Offset on balance sheet liability
Utility Impact Fees	\$ 9,900,000	\$ 3,585,090	\$ 6,314,910		Increase to F/B -- can be used for future debt
Utility CIP	\$ 300,000	\$ 4,778,512	\$ (4,478,512)		Use of prior issued bond funds
Utility Capital Projects	\$ 34,368,257	\$ 34,368,257	\$ -		Balanced
2023 Capital Projects Fund	\$ 166,183,151	\$ 166,183,151	\$ -		Balanced
Utility System Total	\$ 239,996,577	\$ 235,708,658	\$ 4,287,919	\$ 24,146,389	
Solid Waste Fund	\$ 3,043,745	\$ 3,043,745	\$ -	\$ 422,000	
Public Improvement Districts					
PID #9 Durango Farms PID	\$ 825,079	\$ 825,079	\$ -	\$ 2,492,870	
PID #4 Emory Crossing PID	\$ 487,534	\$ 815,876	\$ (328,342)	\$ 491,335	Use of fund balance
PID #8 Cottonwood Creek	\$ 667,466	\$ 667,466	\$ -	\$ 4,428,063	
PID #11 Estates of Hutto	\$ 2,000	\$ 2,000	\$ -	\$ (4,549)	New PID
PID #12 Meadow Brook	\$ 1,000	\$ 1,000	\$ -	\$ (4,410)	New PID
PID #13 Liddel Walker	\$ 3,000	\$ 3,000	\$ -	\$ (3,060)	New PID
PID Fees Fund	\$ 159,618	\$ 3,360,000	\$ (3,200,382)	\$ 4,098,335	Use of fund balance
Local Government Corporations					
River Creek	\$ 2,612,382	\$ 2,636,981	\$ (24,599)	\$ 2,153,159	Use of fund balance
Cottonwood Development Corp	\$ -	\$ 500,000	\$ (500,000)	\$ (3,238,346)	Fund is negative awaiting disposition of legal
Economic Development Corporation	\$ 13,618,126	\$ 4,186,930	\$ 9,431,196	\$ 4,536,926	Land sales are anticipated
TIRZ #1 Co-op	\$ 19,559	\$ 4,000	\$ 15,559	\$ 111,584	
Municipal Utility Districts					
Mud South Fork Ranch	\$ 500	\$ 1,000	\$ (500)	\$ 42,687	
Mud Wallin Tract	\$ -	\$ 1,000	\$ (1,000)	\$ (20)	
Mud Lakeside	\$ 500	\$ 1,000	\$ (500)	\$ 41,439	
Mud Star Ranch	\$ 150	\$ 150	\$ -	\$ 49,953	
Mud Walther Farms	\$ 500	\$ -	\$ 500	\$ 50,000	
TOTAL	\$ 343,223,210	\$ 353,714,462			

AGENDA ITEM REPORT

11.2.



SUMMARY OF REQUEST:

Legal provides this sample motion --

I move to approve Ordinance O-2023-064 of the City of Hutto, Texas, adopting the budget for Fiscal Year 2023-2024 beginning October 1, 2023, and ending September 30, 2024, for the City of Hutto, Texas.

STAFF REVIEW:

Staff recommends approval of the budget

FISCAL NOTES:

The fiscal and operation plan for FY24. An exciting document for the City and its citizens.

ATTACHMENTS:

1. 20230825-Hutto-ORD-Approving Budget FY 2024
2. All Funds Summary 2024 092323

ORDINANCE NO. O-2023-064

AN ORDINANCE MAKING APPROPRIATIONS FOR THE SUPPORT OF THE CITY OF HUTTO DURING THE FISCAL YEAR 2023-2024 FROM OCTOBER 1, 2023, THROUGH SEPTEMBER 30, 2024, AND ADOPTING THE ANNUAL BUDGET OF THE CITY OF HUTTO FOR THE 2023-2024 FISCAL YEAR; PROVIDING FOR A PUBLICATION CLAUSE, SEVERABILITY CLAUSE, AND OPEN MEETING CLAUSE.

WHEREAS, the City of Hutto, Texas (the “City”), is a home rule city operating under the laws of its Charter and the State and Texas, by and through its duly elected City Council members; and

WHEREAS, the new fiscal year commences for the City on October 1, 2023; and

WHEREAS, the City Council finds that the proposed Budget is for legitimate municipal purposes and is in compliance with Texas Local Government Code Chapter 102; and

WHEREAS, pursuant to Texas Local Government Code Section 101.002, the City Council may manage and control the finances of the municipality; and

WHEREAS, the Hutto City Manager has submitted to the City Council a proposed budget of the revenues of said City and the expenditures/expenses of conducting the affairs thereof and providing a complete financial plan for 2023-2024; and

WHEREAS, the budget for the fiscal year October 1, 2023, through September 30, 2024, was duly presented to the City Council and a public hearing was ordered by the City Council and a public notice of said hearing was caused to be given by the City Council and said public hearing was held according to said notice.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION I.

That the appropriations for the fiscal year October 1, 2023, through September 30, 2024 for the support of the general government of the City of Hutto be fixed and determined for said terms in accordance with the expenditures shown in the City’s 2024 fiscal year budget, a summary of which is appended hereto as Exhibit A.

SECTION II.

That the budget, as shown in Exhibit A, is hereby approved in all respects and adopted as the City’s budget for the fiscal year October 1, 2023, through September 30, 2024, and incorporated into this Ordinance for all intents and purposes.

SECTION III.

That there is hereby appropriated the amount shown in said budget the required funds to provide for an Interest and Sinking Fund for the payment of the principal and interest and the retirement of the bonded debt of said City.

SECTION IV.

The City Secretary of the City of Hutto is hereby authorized and directed to publish the caption of this Ordinance in the manner and for the length of time prescribed by law. The City Secretary is hereby directed to file the budget on the website of the City and in the City's official records.

SECTION V.

The provisions of this Ordinance are severable, and if any sentence, section, or other parts of this Ordinance should be found to be invalid, such invalidity shall not affect the remaining provisions, and the remaining provisions shall continue in full force and effect.

SECTION VI.

All ordinances and resolutions and parts thereof in conflict herewith are hereby expressly repealed insofar as they conflict.

SECTION VII.

The City Council hereby finds and declares that written notice of the date, hour, place, and subject of the meeting at which this Ordinance was adopted was posted and that such meeting was open to the public as required by law at all times during which this ordinance and the subject hereof were discussed, considered, and formerly acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

SECTION VIII.

This Ordinance shall take effect and be in force from and after its passage.

READ and APPROVED the first reading on the 21st day of September 2023 at a regular called meeting of the City Council of the City of Hutto, there being a quorum present.

READ, APPROVED and ADOPTED on the second reading this 28th day of September 2023 at a regular meeting of the City Council of the City of Hutto, there being a quorum present, by the following roll call vote:

Mayor Snyder	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Thompson	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Thornton	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Clark	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Gordon	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>

Councilmember Wilcott	<u> </u>	<i>For</i>	<u> </u>	<i>against</i>	<u> </u>	<i>abstain</i>	<u> </u>	<i>absent</i>
Councilmember Kolar	<u> </u>	<i>For</i>	<u> </u>	<i>against</i>	<u> </u>	<i>abstain</i>	<u> </u>	<i>absent</i>

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

Exhibit A – Fiscal Year 2023-2024

Municipal Budget



PROPOSED FISCAL YEAR 2024 BUDGET

Number	Fund	Revenues	Expenditures	Revenue Less Expenditures	Expected Fund Balance 9/30/2024	Notes
General Fund						
10	Property Taxes	\$ 11,837,098.83				
10	Sales Taxes	\$ 11,196,162.04				
10	Franchise Fees	\$ 1,445,250.00				
10	Interest Earned	\$ 517,600.00				
10	Charges for Services (Governmental)	\$ 439,250.00				
10	Drainage Fees	\$ 871,774.00				
10	Other Financing Sources	\$ 99,000.00				
10	Permits and Licenses	\$ 4,159,810.00				
10	Intergovernmental Revenue	\$ 30,400.00				
10	Fines	\$ 351,700.00				
10	Transfers From Other Funds	\$ 350,012.00				
10	City Manager's Office		\$ 1,034,702			
10	City Council		\$ 645,669			
10	Legal		\$ 445,000			
10	Human Resources		\$ 1,556,274			
10	Economic Development		\$ 473,803			
10	Municipal Court		\$ 454,694			
10	Financial Services		\$ 1,366,986			
10	Development Services		\$ 2,153,247			
10	Streets & Drainage		\$ 5,007,226			
10	Engineering		\$ 867,452			
10	Construction Inspection		\$ 516,576			
10	Police		\$ 8,580,964			
10	City Secretary		\$ 375,744			
10	Communications		\$ 619,642			
10	Library		\$ 595,234			
10	Community Relations		\$ 1,057,600			
10	Information Technology		\$ 1,458,695			
10	Emergency Management		\$ 336,926			
10	Parks and Recreation		\$ 1,801,283			
10	Fleet Maintenance		\$ 266,991			
10	Facility Maintenance		\$ 1,089,718			
10	Non-Departmental		\$ 593,631			
10	General Fund Total	\$ 31,298,057	\$ 31,298,057	\$ -	\$ 9,382,510	Balanced
Other Funds						
11	General Debt Service Fund	\$ 6,415,751	\$ 6,415,751	\$ -	\$ 1,832,108	Balanced
21	Court Security Fund	\$ 10,250	\$ 40,250	\$ (30,000)	\$ 42,085	Use of Fund Balance
20	Court Technology Fund	\$ 6,150	\$ 14,023	\$ (7,873)	\$ 9,394	Use of Fund Balance
22	Court Training Fund	\$ 150	\$ 3,633	\$ (3,483)	\$ 3,468	Use of Fund Balance
16	Truancy-Municipal Court	\$ 11,030	\$ -	\$ 11,030	\$ 28,871	Use of Fund Balance
15	Jury -Municipal Court	\$ 200	\$ -	\$ 200	\$ 587	Use of Fund Balance
24	Hotel Tax Fund	\$ 193,000	\$ 355,000	\$ (162,000)	\$ 320,513	Use of Fund Balance
25	Hutto Police Seizure Fund	\$ 6,000	\$ 20,000	\$ (14,000)	\$ 29,802	Use of Fund Balance
40	Park Improvement Fund	\$ 715,000	\$ 1,752,500	\$ (1,037,500)	\$ 2,145,926	Use of Fund Balance / Includes \$740k Expense approved 8/24
27	PEG Capital Fund	\$ 26,105	\$ 110,832	\$ (84,727)	\$ 92,114	Use of Fund Balance
18	Hutto Police Lease Fund	\$ 2,850	\$ 16,000	\$ (13,150)	\$ 13,449	Use of Fund Balance
42	Transportation Improvement Fund	\$ 2,265,000	\$ 2,844,600	\$ (579,600)	\$ 3,314,530	Use of Fund Balance
12	Cap Projects 2022 GO	\$ 19,585,931	\$ 19,585,931	\$ -	\$ -	Balanced
65	Coronavirus State and Local Fiscal	\$ 10,250,000	\$ 16,500,000	\$ (6,250,000)	\$ 7,213,609	Use of Prior Received ARPA Funding
14	2023 GO Bonds	\$ -	\$ 12,000,000	\$ (12,000,000)	\$ 12,222,926	Use of Prior Issued E/W Spine Road Bonds
XX	2024 General Obligation Bonds Capital	\$ 11,000,000	\$ 11,000,000	\$ -	\$ -	Expected issuance of Bonds for Fritz Park
Utility System						
50	Utility Operating	\$ 18,511,201	\$ 19,825,901	\$ (1,314,701)		One time expenses
51	Utility Debt Service	\$ 10,733,969	\$ 6,967,747	\$ 3,766,222		Offset on balance sheet liability
52	Utility Impact Fees	\$ 9,900,000	\$ 3,585,090	\$ 6,314,910		Increase to F/B -- can be used for future debt
55	Utility CIP	\$ 300,000	\$ 4,778,512	\$ (4,478,512)		Use of prior issued bond funds
57	Utility Capital Projects	\$ 34,368,257	\$ 34,368,257	\$ -		Balanced
2023	Capital Projects Fund	\$ 166,183,151	\$ 166,183,151	\$ -		Balanced
	Utility System Total	\$ 239,996,577	\$ 235,708,658	\$ 4,287,919	\$ 24,146,389	
70	Solid Waste Fund	\$ 3,043,745	\$ 3,043,745	\$ -	\$ 422,000	
Public Improvement Districts						
79	PID #9 Durango Farms PID	\$ 825,079	\$ 825,079	\$ -	\$ 2,492,870	
75	PID #4 Emory Crossing PID	\$ 487,534	\$ 815,876	\$ (328,342)	\$ 491,335	Use of fund balance
81	PID #8 Cottonwood Creek	\$ 667,466	\$ 667,466	\$ -	\$ 4,428,063	
82	PID #11 Estates of Hutto	\$ 2,000	\$ 2,000	\$ -	\$ (4,549)	New PID
83	PID #12 Meadow Brook	\$ 1,000	\$ 1,000	\$ -	\$ (4,410)	New PID
92	PID #13 Liddel Walker	\$ 3,000	\$ 3,000	\$ -	\$ (3,060)	New PID
41	PID Fees Fund	\$ 159,618	\$ 3,360,000	\$ (3,200,382)	\$ 4,098,335	Use of fund balance
Local Government Corporations						
45, 72, 73, 74	River Creek	\$ 2,612,382	\$ 2,636,981	\$ (24,599)	\$ 2,153,159	Use of fund balance
46, 76	Cottonwood Development Corp	\$ -	\$ 500,000	\$ (500,000)	\$ (3,238,346)	Fund is negative awaiting disposition of legal
35	Economic Development Corporation	\$ 13,618,126	\$ 4,186,930	\$ 9,431,196	\$ 4,536,926	Land sales are anticipated
84	TIRZ #1 Co-op	\$ 19,559	\$ 4,000	\$ 15,559	\$ 111,584	
Municipal Utility Districts						
87	Mud South Fork Ranch	\$ 500	\$ 1,000	\$ (500)	\$ 42,687	
86	Mud Wallin Tract	\$ -	\$ 1,000	\$ (1,000)	\$ (20)	
85	Mud Lakeside	\$ 500	\$ 1,000	\$ (500)	\$ 41,439	
89	Mud Star Ranch	\$ 150	\$ 150	\$ -	\$ 49,953	
88	Mud Walther Farms	\$ 500	\$ -	\$ 500	\$ 50,000	
	TOTAL	\$ 343,223,210	\$ 353,714,462			

AGENDA ITEM REPORT

11.3.



To: City Council
Subject: Consideration and possible action to approve Resolution No. R-2023-240 ratifying the property tax increase reflected in the City of Hutto Fiscal Year 2023-2024 operating budget (Second Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

Language provided by Larry Gaddis's office for the motion -- This tax rate will raise more taxes for maintenance and operations than last year's tax rate. The tax rate will effectively be raised 9.42% and will raise taxes for maintenance operations on a \$100,000 home by approximately \$24.83.

SUMMARY OF REQUEST:

Approval of Resolution as presented.

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

Fiscal Notes not applicable

ATTACHMENTS:

1. Hutto-RES-Ratifying Property Tax in Budget FY 2023-2024 (09.15.23)

RESOLUTION NO. R-2023-240

**A RESOLUTION OF THE CITY OF HUTTO RATIFYING
THE MUNICIPAL BUDGET FOR FISCAL YEAR 2023-2024
WHICH RAISES MORE REVENUE FROM PROPERTY
TAXES THAN THE PREVIOUS FISCAL YEAR;
PROVIDING FOR A PUBLICATION CLAUSE,
SEVERABILITY CLAUSE, AND OPEN MEETING CLAUSE.**

WHEREAS, the City of Hutto, Texas (the “City”), is a home rule city operating under the laws of its Charter and the State and Texas, by and through its duly elected City Council members; and

WHEREAS, the new fiscal year commences for the City on October 1, 2023; and

WHEREAS, the City Council finds that the proposed Budget is for legitimate municipal purposes and is in compliance with Texas Local Government Code Chapter 102; and

WHEREAS, the Hutto City Manager has submitted to the City Council a proposed budget of the revenues of said City and the expenditures/expenses of conducting the affairs thereof and providing a complete financial plan for 2023-2024; and

WHEREAS, the Budget as adopted raises more revenue from property taxes than the previous year's budget; and

WHEREAS, pursuant to Texas Local Government Code Section 102.007, the City Council shall ratify the property tax increase reflected in the budget; and

WHEREAS, the budget for the fiscal year October 1, 2023, through September 30, 2024, was duly presented to the City Council and a public hearing was ordered by the City Council and a public notice of said hearing was caused to be given by the City Council and said public hearing was held according to said notice.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION I.

The foregoing recitals are incorporated into this Resolution by reference as findings of fact as if expressly set forth herein.

SECTION II.

The City Council of the City of Hutto hereby ratifies the adopted budget for Fiscal Year 2023-2024, which raises more revenue from property taxes than the previous fiscal year's budget.

SECTION III.

The City Secretary of the City of Hutto is hereby authorized and directed to publish the caption of this Resolution in the manner and for the length of time prescribed by law. The City Secretary is hereby directed to file the budget on the website of the City and in the City's official records.

SECTION IV.

The provisions of this Resolution are severable, and if any sentence, section, or other parts of this Resolution should be found to be invalid, such invalidity shall not affect the remaining provisions, and the remaining provisions shall continue in full force and effect.

SECTION V.

All Resolutions and parts thereof in conflict herewith are hereby expressly repealed insofar as they conflict.

SECTION VI.

The City Council hereby finds and declares that written notice of the date, hour, place, and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject hereof were discussed, considered, and formerly acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

SECTION VII.

This Resolution shall take effect and be in force from and after its passage.

READ and APPROVED the first reading on the 21st day of September 2023 at a regular meeting of the City Council of the City of Hutto, there being a quorum present.

READ, APPROVED and ADOPTED on the second reading this 28th day of September 2023 at a regular meeting of the City Council of the City of Hutto, there being a quorum present, by the following roll call vote:

Mayor Mike Snyder	_____	<i>For</i>	_____	<i>against</i>	_____	<i>abstain</i>	_____	<i>absent</i>
Mayor Pro Tem Peter Gordon	_____	<i>For</i>	_____	<i>against</i>	_____	<i>abstain</i>	_____	<i>absent</i>
Councilmember Brian Thompson	_____	<i>For</i>	_____	<i>against</i>	_____	<i>abstain</i>	_____	<i>absent</i>
Councilmember Dan Thornton	_____	<i>For</i>	_____	<i>against</i>	_____	<i>abstain</i>	_____	<i>absent</i>
Councilmember Randal Clark	_____	<i>For</i>	_____	<i>against</i>	_____	<i>abstain</i>	_____	<i>absent</i>

Councilmember Dana Wilcott	_____	_____	_____	_____
	<i>For</i>	<i>against</i>	<i>abstain</i>	<i>absent</i>
Councilmember Amberley Kolar	_____	_____	_____	_____
	<i>For</i>	<i>against</i>	<i>abstain</i>	<i>absent</i>

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

AGENDA ITEM REPORT

11.4.



To: City Council
Subject: Consideration and possible action to approve Ordinance No. O-2023-068 of the City of Hutto, Texas, levying Ad Valorem taxes for the use and support of the municipal government for the City of Hutto for the Fiscal Year 2023-2024 (Second Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

The motion language provided by Larry Gaddis's office -- I move that the property tax rate be increased by the adoption of a tax rate of .422114, which is effectively a 4.97% increase in the tax rate.

SUMMARY OF REQUEST:

Approval of the Ordinance as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

Fiscal notes not applicable

ATTACHMENTS:

1. Hutto Ord Levying Ad Valorem Taxes 2023 (09.28.23)

ORDINANCE O-2023-068

AN ORDINANCE LEVYING AD VALOREM TAXES FOR THE USE AND SUPPORT OF THE MUNICIPAL GOVERNMENT FOR THE CITY OF HUTTO FOR THE TAX YEAR 2023; PROVIDING FOR APPORTIONING EACH LEVY FOR A SPECIFIC PURPOSE; AND, PROVIDING WHEN TAXES SHALL BECOME DUE AND WHEN SAME SHALL BECOME DELINQUENT IF NOT PAID; AND PROVIDING FOR A PUBLICATION CLAUSE, SEVERABILITY CLAUSE, AND REPEALING CLAUSE.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION I.

That there is hereby levied and there shall be collected for the use and support of the Municipal Government of the City of Hutto, upon all property, real personal and mixed, within the corporate limits of said City subject to taxation a tax of \$0.422114 on each \$100.00 valuation of property, said tax being levied and apportioned to the specific purpose herein set forth.

1. For the Maintenance and Operations of the general government (General Fund), a rate of \$0.288482 on each \$100.00 valuation of property and
2. For debt service on bond sold for the support of general government, a rate of \$0.133632 on each \$100.00 valuation of property.

THIS TAX RATE WILL INCREASE TAXES FOR MAINTENANCE AND OPERATIONS MORE THAN LAST YEAR'S TAX RATE. THE TAX RATE WILL EFFECTIVELY BE INCREASED BY 9.42% AND WILL INCREASE TAXES FOR MAINTENANCE AND OPERATIONS ON A \$100,000.00 HOME WILL BE APPROXIMATELY \$24.82.

SECTION II.

That the Taxes levied under this ordinance shall be due October 1, 2023, and if not paid on or before January 31, 2024, shall become delinquent.

SECTION III.

All Taxes shall become a lien upon the property against which assessed, and the City Tax Assessor and Collector of the City of Hutto is hereby authorized and empowered to enforce the collection of such Taxes according to the Constitution and Laws of the State of Texas and ordinances of the City of Hutto and shall, by virtue of the tax rolls, fix and establish a lien by levying upon such property whether real or personal, for the payment of said taxes, penalty and interest, and the interest and penalty collected from such delinquent taxes shall be apportioned to the General Fund of the City of Hutto. All delinquent taxes shall bear interest from the date of delinquency at the rate as prescribed by State Law.

SECTION IV.

The City Secretary of the City of Hutto is hereby authorized and directed to publish the caption of this Ordinance in the manner and for the length of time prescribed by law. The City Secretary shall cause the following notice to be posted on the homepage of the City's internet website:

THE CITY OF HUTTO ADOPTED A TAX RATE THAT WILL INCREASE TAXES FOR MAINTENANCE AND OPERATIONS MORE THAN LAST YEAR'S TAX RATE. THE TAX RATE WILL EFFECTIVELY BE INCREASED BY 9.42% AND WILL INCREASE TAXES FOR MAINTENANCE AND OPERATIONS ON A \$100,000.00 HOME WILL BE APPROXIMATELY \$24.82.

SECTION V.

The provisions of this ordinance are severable, and if any sentence, section, or other parts of this Ordinance should be found to be invalid, such invalidity shall not affect the remaining provisions, and the remaining provisions shall continue in full force and effect.

SECTION VI.

All ordinances and resolutions and parts thereof in conflict herewith are hereby expressly repealed insofar as they conflict.

SECTION VII.

The City Council hereby finds and declares that written notice of the date, hour, place, and subject of the meeting at which this Ordinance was adopted was posted and that such meeting was open to the public as required by law at all times during which this Ordinance and the subject hereof were discussed, considered, and formerly acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

SECTION VIII.

This ordinance shall take effect and be in force from and after its passage.

READ and APPROVED the first reading on the 21st day of September 2023 at a regular called meeting of the City Council of the City of Hutto, there being a quorum present.

READ, APPROVED and ADOPTED on the second reading this 28th day of September 2023 at a regular meeting of the City Council of the City of Hutto, there being a quorum present, by the following roll call vote:

Mayor Mike Snyder	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Mayor Pro Tem Peter Gordon	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Brian Thompson	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>
Councilmember Dan Thornton	_____ <i>For</i>	_____ <i>against</i>	_____ <i>abstain</i>	_____ <i>absent</i>

Councilmember Randal Clark	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<i>For</i>	<i>against</i>	<i>abstain</i>	<i>absent</i>
Councilmember Dana Wilcott	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<i>For</i>	<i>against</i>	<i>abstain</i>	<i>absent</i>
Councilmember Amberley Kolar	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<i>For</i>	<i>against</i>	<i>abstain</i>	<i>absent</i>

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

AGENDA ITEM REPORT

11.5.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-242 regarding Master Service Agreements for Architecture and Landscape Architecture professional services with Clark Condon (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The purpose of this item is to approve each attached consultant Master Service Agreement as the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as submitted

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

There is no fiscal impact by approving a Master Service Agreement. The City incurs an obligation to spend funds if an award occurs under an Individual Project Order (IPO) issued under the Master Services Agreements.

ATTACHMENTS:

AGENDA ITEM REPORT

11.5.



-
1. MSA AL Engineering Services _MSA 23-10-B_FY 23.24 9.19.23_Clark Condon
 2. Form 1295 Certificate 101096064 Clark Condon Associates



EXHIBIT “A” FORM MSA

**MASTER SERVICES AGREEMENT
BETWEEN THE CITY OF HUTTO AND CLARK CONDON ASSOCIATES, INC.**

THIS MASTER SERVICES AGREEMENT, (the “Agreement”), is executed this 28th day of September, 2023 by and between the City of Hutto, Texas (the “City”) and Clark Condon Associates, Inc. (“the Consultant”).

RECITALS

The City and Clark Condon Associates, Inc. desire to set forth the general terms and conditions whereby Clark Condon Associates, Inc., a Texas corporation or an affiliated company thereof will be engaged to provide professional consulting services on one or more Landscape Architecture projects with respect to each engagement (the “Project”), with the specifics of each engagement to be set forth in an executed Individual Project Order ("IPO"). If the IPO is executed by an affiliated company of Clark Condon Associates, Inc. the IPO shall incorporate the terms and conditions of this Agreement as if the affiliated company were a Party to this Agreement. As used herein, "Consultant" shall refer to Clark Condon Associates, Inc. or an affiliated company executing an IPO. Consultant shall provide a list of affiliated companies to the City and keep that list current through the life of this Agreement, including any extension hereof.

AGREEMENT

(1) Scope of Services and Additional Services Agreement.

The undertaking of the Consultant to perform professional services under this Agreement extends only to the services and costs set forth in Attachment “A” and/or a specific IPO as to any specific Project (“the Services”). However, if requested in writing by the City and agreed in writing by the Consultant, the Consultant shall perform Additional Services not to exceed Fifty Thousand Dollars, (\$50,000.00), which shall be governed by this Agreement unless otherwise agreed to in writing in an Additional Services Agreement approved by the Hutto City Council. The City shall pay the Consultant for the performance of any Additional Services an amount based upon the Consultant’s then-current hourly rates plus an amount to cover certain direct expenses attributable solely to a Project for Additional Services including telecommunications, in-house reproduction, postage, supplies, project-related computer time, and local mileage. Other direct expenses will be billed at 1.00-times cost (passed through without markup). All Additional Services shall be in writing and subject to 6(e). Non-Appropriation and Fiscal Funding. The City Manager or designee shall have the authority to



EXHIBIT "A" FORM MSA

execute the IPO and Additional Services Agreement provided that funds are available and budgeted in Fiscal Year 2023/2024.

(2) City's Responsibilities.

In addition to other responsibilities imposed on the City elsewhere in this Agreement or imposed by law, the City shall have the following responsibilities:

- a) Designate in writing a person to act as the City's representative with respect to the Services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, and make or interpret the City's decisions other than changes in the scope of Services, expiration date of this Agreement, authorization of an IPO, or changes in payment terms.
- b) Provide to Consultant all criteria and full information as to the City's requirements, objectives, and expectations for the Project, including all numerical criteria that are to be met and all standards of development, design, or construction.
- c) Assist Consultant by placing at its disposal all available information pertinent to the Project including previous reports and any other data relative to studies, design, or construction or operation of the Project.
- d) Furnish the following to Consultant, as required for performance of Consultant's Services (except to the extent provided otherwise in the relevant IPO):
 - (1) data prepared by or services of others, including without limitation borings, probings, subsurface explorations, hydrographic surveys, laboratory tests, inspection of samples, materials, and equipment;
 - (2) appropriate professional interpretations of all of the foregoing from a duly licensed and/or registered professional qualified to render such interpretation if licensure or registration is required by law;
 - (3) environmental assessments and impact statements;
 - (4) property, boundary, easement, right-of-way, topographic and utility surveys;
 - (5) property descriptions;
 - (6) any zoning, deed, and other land use restrictions; and
 - (7) other special data or consultations; all of which Consultant may use and rely upon.
- e) Provide Consultant with surveys necessary to establish reference points for construction (except to the extent provided otherwise in the relevant IPO).



EXHIBIT "A" FORM MSA

- f) Arrange for access to and make all commercially reasonable provisions for the Consultant to enter upon public and private property as required for the Consultant to perform Services, unless acquiring an easement in or commencing any condemnation of private property would be necessary to obtain access.
- g) Examine, review, and opine on, or cause be examined, reviewed, and opined on by a duly licensed and/or registered professional qualified to render such examinations, reviews, and opinions, if licensure or registration is required by law, all studies, reports, sketches, drawings, specifications, proposals and other documents presented by the Consultant, obtain advice of an attorney, insurance counselor and other consultants as the City deems appropriate for such examination, review, and opinion, and render in writing decisions pertaining thereto within a reasonable time so as not to unreasonably delay Consultant Services. The Consultant shall have no liability to the City for delays resulting from City's failure to review documents reasonably promptly unless the delay is due to defects or omissions in the Consultant's submissions.
- h) Furnish approvals and permits for all government authorities having jurisdiction and permits for all government authorities having jurisdiction over the Project to the extent the City is entitled to such approvals and permits, and such approvals and consents from others as may be necessary for the completion of the Project, if available on commercially reasonable terms.
- i) Provide or cause to be provided by qualified professionals to Consultant such accounting, independent cost estimating and insurance consulting as the City may require.
- j) Attend the pre-bid conference, bid opening, pre-construction conferences, construction progress and other job-related meetings and substantial completion inspections and final payment inspections.
- k) Give prompt written notice to the Consultant whenever the City observes or otherwise becomes aware of any development that affects the scope, timing, or payment of or for Consultant's services, or any defect or nonconformance in any aspect of the Project, without prejudice to the Consultant's duty to notify the City's representative of such.
- l) Follow appropriate City procedures to request the City to bear all costs incidental to compliance with the requirements of this paragraph.

(3) Consultant's Rights and Responsibilities

In addition to other responsibilities described in this Agreement or imposed by law, the Consultant shall have the following responsibilities:



EXHIBIT "A" FORM MSA

a) Independent Contractor.

Consultant is an independent contractor, and is not the City's employee. Consultant's employees or subcontractors are not the City's employees. This Agreement does not create a partnership, employer-employee, or joint venture relationship. No party has authority to enter into contracts as agent for the other party. Consultant and the City agree to the following rights consistent with an independent contractor relationship:

- (1) Consultant has the right to perform services for others during the term hereof.
- (2) Consultant has the sole right to control and direct the means, manner and method by which Services required by this Agreement will be performed.
- (3) Consultant has the right to hire subcontractors, or to use its employees to provide the Services required by this Agreement.
- (4) Consultant or its employees or subcontractors shall perform Services required hereunder, and the City shall not hire, supervise, or pay assistants to help Consultant.
- (5) Neither Consultant, its employees, nor its subcontractors shall receive training from the City in skills necessary to perform services required by this Agreement.
- (6) City shall not require Consultant or its employees or subcontractors to devote full time to performing the Services required by this Agreement.
- (7) Neither Consultant, its employees, nor its subcontractors are eligible to participate in any employee pension, health, vacation pay, sick pay, workers compensation, or other employee benefit plan of the City.

b) Give prompt written notice to the City's representative whenever the Consultant observes or otherwise becomes aware of any development that affects the scope, timing, or payment of or for Consultant's services, or any defect or nonconformance in any aspect of the Project, without prejudice to the City's duty to notify the Consultant of such.

(4) Period of Services.

- a) This Agreement expires on the end of the sixth calendar month following final acceptance by the City of all Projects procured under this Agreement unless the Parties agree in writing before said expiration date to a different expiration date.



EXHIBIT "A" FORM MSA

- b) The provisions of this section and the rates of compensation for the Consultant provided for elsewhere in this Agreement have been agreed to in anticipation of conditions permitting orderly and continuous progress of the Projects through completion of the Consultant's Services. The Consultant shall begin work timely on each IPO after receipt of a fully executed copy of the IPO in question. The times for performance shall be extended, and compensation increased, as necessary for periods of suspension or delay resulting from circumstances the Consultant does not control. If such suspension or delay extends for more than six months (cumulatively), the rates of compensation in this Agreement and the IPO shall be renegotiated.

(5) Compensation for Services.

- a) The Consultant's compensation shall be computed on the basis set forth herein, unless otherwise stated in the IPO.
- b) The City shall pay the Consultant an amount based upon the Consultant's latest hourly rates as reported in the latest written schedule to be provided by the Consultant of employee rates by name or title who is to participate in providing Services, (the "Schedule") or unless otherwise stated in an IPO, plus an amount to cover certain actual direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.00-times cost (passed through without markup). The Consultant will provide the City with a Schedule and update it with any changes.
- c) If the Consultant's compensation is on an hourly labor fee basis, estimated fees and expenses may be set forth in the IPO in question or Schedule. Services undertaken or expenses incurred by the Consultant exceeding any estimates set forth in the IPO shall not be the liability of the City.

(6) Prompt Payment Act.

- a) In accordance with Texas Government Code Chapter 2251 (the "Prompt Payment Act"), invoices shall be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within thirty (30) days of receipt and should include the invoice number and project number. Interest will be added to accounts not paid within thirty (30) days of the City's receipt of Consultant's invoice at the rate provided for by the Prompt Payment Act beginning on the 31st day. If the City fails to make any payment that is not disputed with the above timeframe as provided for in the Prompt Payment Act, the Consultant may, after giving notice to the City, suspend services and withhold deliverables until all amounts due are paid in full. Due dates and interest assessments for payment will



EXHIBIT “A” FORM MSA

be adjusted to conform to any relevant future amendments or supersession of the Prompt Payment Act.

- b) If the City relies on payment or proceeds from a third party to pay Consultant, and City does not pay Consultant's invoice within sixty (60) days of receipt, Consultant may communicate directly with such third party to secure payment.
- c) If the City disputes any charge in an invoice, the City shall notify the Consultant in writing providing the details of the dispute within twenty-one (21) days of receipt of the invoice. If the City disputes a portion of the invoice, payment for the undisputed portion shall be due in accordance with paragraph 6(a).
- d) If the Consultant initiates legal proceedings to collect payment to the prevailing Party may recover its actual and reasonable attorneys' fees, experts' fees, and court costs.
- e) Non-appropriation and Fiscal Funding.

This Agreement is a commitment of the City's current revenues only. It is understood and agreed that the City shall have the right to terminate this Agreement at the end of any City fiscal year if the governing body of the City does not appropriate funds sufficient to purchase the services as determined by the City's budget for the fiscal year in question. The City may effect such termination by giving Consultant a written notice of termination at the end of its then current fiscal year.

(7) Use of Documents.

All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant in rendering Services, (the “Documents”) are related exclusively to the Services described in this Agreement. The Documents are not intended or represented to be suitable for use, partial use or reuse by the City or others on extensions of this project or on any other project. Any modifications made by the City to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the City's sole risk and without liability to the Consultant. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the City only if expressly provided for in the IPO. Documents not containing an electronic seal are provided for the convenience of the City, and use of the Documents is at the City's sole risk. In the case of any defects in the Documents or any discrepancies between the Documents and the hardcopy of the Documents prepared by the Consultant, the hardcopy of the Documents shall govern. Data stored in electronic media format may deteriorate or may be modified without the Consultant's authorization. The City has sixty (60) days from the date of receipt of the Document to perform acceptance tests.



EXHIBIT "A" FORM MSA

(8) Opinions of Cost.

Since the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any and all opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and qualifications of Consultant and represent Consultant's reasonable judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from opinions of cost prepared by the Consultant. The City may employ an independent cost estimator to determine estimated costs.

(9) Termination.

- a) The obligation to provide further services under this Agreement may be terminated for convenience or for default by either Party upon seven (7) calendar days' written notice.
- b) If Consultant defaults in performance of this Agreement and if the City terminates this Agreement for such default, then the City shall give consideration to the actual costs incurred by Consultant in performing the work to the date of default. The cost of the work that is useable to the City, the cost to the City of employing another firm to complete the useable work, and other relevant factors will affect the value to the City of the work performed at the time of default.
- c) Consultant shall not be entitled to any consequential damages nor lost or anticipated profits for work when an Agreement is terminated hereunder.

(10) Insurance.

- a) The Consultant at Consultant's sole cost shall provide Workers' Compensation insurance as required by law, professional liability insurance, and general liability insurance in the amount of One-Million Dollars, (\$1,000,000.00). If the City directs the Consultant to obtain increased insurance coverage, the Consultant shall obtain such additional insurance if available at the City's expense as agreed to in an Additional Services Agreement or IPO.
- b) Consultant, at Consultant's sole cost, shall purchase and maintain during the entire term while this Contract is in effect professional liability insurance on an occurrence basis with no burn-off in the minimum amount of one million dollars (\$1,000,000) per claim from a company authorized to do insurance business in Texas and otherwise acceptable to City. Consultant shall also notify City, within five (5) business days of receipt, of any notices of expiration, cancellation, non-renewal, or material change in coverage it receives from its insurer, and the policy will require the insurance company to give the same notice to the City.



EXHIBIT "A" FORM MSA

- c) Subconsultant Insurance. Without limiting any of the other obligations or liabilities of Consultant, Consultant shall require each subconsultant performing work under this Contract to maintain during the term of this Contract, at the subconsultant's own expense, the same stipulated minimum insurance required in this Agreement for the Consultant.
- d) Consultant shall obtain and monitor the certificates of insurance from each subconsultant in order to assure compliance with the insurance requirements. Consultant must retain the certificates of insurance for the duration of this Contract, and shall have the responsibility of enforcing these insurance requirements among its subconsultants. City shall be entitled, upon request and without expense, to receive copies of these certificates of insurance. City shall also be entitled upon request and without expense to obtain from the Consultant true and complete copies of all insurance policies required by this Agreement or by Additional Services Agreement or IPO.
- e) Insurance Policy Endorsements. Each insurance policy shall include the following conditions by endorsement to the policy:
 - (1) Companies issuing the insurance policies shall have no recourse against the City for payment of any premiums or assessments for any deductibles which all are at the sole responsibility and risk of Consultant.
 - (2) Terms "the City" or "the City of Hutto" shall include all authorities, boards, commissions, departments, and officers of the City and individual members, employees and agents in their official capacities, or while acting on behalf of the City of Hutto.
 - (3) Consultant and the City mutually waive subrogation rights each may have against the other for loss or damage, to the extent same is covered by the proceeds of insurance.
- f) The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by City, to any such future coverage, or to City's Self-Insured Retentions of whatever nature.
- g) Cost of Insurance. The cost of all insurance required herein to be secured and maintained by Consultant shall be borne solely by Consultant, with certificates of insurance evidencing such minimum coverage in force to be filed with City. Such Certificates of Insurance are evidenced as Exhibit D herein entitled "Certificates of Insurance."
- h) Each policy shall require that notices required by 10(b) be sent to:
City Manager or City Manager Designee
500 W. Live Oak Street
Hutto, Texas 78634
Matt.Rector@HuttoTX.gov



EXHIBIT "A" FORM MSA

(11) Standard of Care and Warranty

- a) The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by professional Landscape Architects performing the same or similar professional services in the same locality at the time the professional services are provided. Consultant warrants that all services performed hereunder shall be performed consistent with prevailing professional or industry standards, and shall be performed in a professional and workmanlike manner. Consultant shall re-perform any work not in compliance with this warranty.
- b) If Consultant is a corporation, partnership or a limited liability company, Consultant warrants, represents, covenants, and agrees that it is duly organized, validly existing and in good standing under the laws of the state of its incorporation or organization and is duly authorized and in good standing to conduct business in the State of Texas.
- c) Franchise Tax Certification. A corporate or limited liability company Consultant certifies that it is not currently delinquent in the payment of any Franchise Taxes due under Chapter 171 of the Texas Tax Code, or that the corporation or limited liability company is exempt from the payment of such taxes, or that the corporation or limited liability company is an out of state corporation or limited liability company that is not subject to the Texas Franchise Tax, whichever is applicable.

(12) Release, Indemnification, Hold Harmless and Defense

- a) **TO THE EXTENT NOT PROHIBITED BY LAW, CONSULTANT, AND CONSULTANT'S SUCCESSORS AND ASSIGNS HEREBY COVENANTS AND AGREES TO RELEASE, HOLD HARMLESS, AND INDEMNIFY THE CITY AND ITS CURRENT AND FUTURE CITY COUNCIL, CITY COUNCIL MEMBERS, AND CITY OFFICERS, AGENTS, SERVANTS AND EMPLOYEES, FROM AND AGAINST ALL THIRD-PARTY CLAIMS, LIENS, SUITS, JUDGMENTS, DAMAGES, AND DEMANDS (TOGETHER, "CLAIMS") AGAINST THE CITY, WHETHER POTENTIAL OR ASSERTED, INCLUDING WITHOUT LIMITATION CONSEQUENTIAL DAMAGES, REASONABLE ATTORNEY'S FEES, RELATED EXPENSES, EXPERT WITNESS FEES, CONSULTANT FEES, AND OTHER COSTS, ARISING OUT OF THE NEGLIGENCE OR OTHER WRONGFUL CONDUCT OR OMISSION OF CONSULTANT, INCLUDING THE NEGLIGENCE OF CONSULTANT OCCURRING DURING THE PERFORMANCE OF THIS AGREEMENT; AND IT IS EXPRESSLY UNDERSTOOD THAT SUCH CLAIMS SHALL, EXCEPT AS MODIFIED BELOW, INCLUDE CLAIMS EVEN IF CAUSED BY THE CITY'S OWN GROSS NEGLIGENCE, SUBJECT TO THE TERMS OF THIS SECTION. CONSULTANT SHALL NOT, HOWEVER, BE REQUIRED TO INDEMNIFY THE CITY AGAINST CLAIMS CAUSED BY THE CITY'S**



EXHIBIT "A" FORM MSA

SOLE NEGLIGENCE. IF THE CITY INCURS CLAIMS THAT ARE CAUSED BY THE CONCURRENT NEGLIGENCE OF CONSULTANT AND THE CITY, THE CONSULTANT'S INDEMNITY OBLIGATION WILL BE LIMITED TO A FRACTION OF THE TOTAL CLAIMS EQUIVALENT TO CONSULTANT'S OWN PERCENTAGE OF RESPONSIBILITY.

- b) The provisions of this INDEMNITY are solely for the benefit of the Parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity except for the indemnified City Council, City Council Members, and City officers, agents, servants and employees. Consultant shall advise the City in writing within twenty-four (24) hours after Consultant learns of any claim or demand against the City or Consultant related to or arising out of Consultant's activities under this Agreement.
- c) Consultant shall not settle any claim against the City or against any entity or individual indemnified under this Article without the prior written consent of the City Manager and City Attorney. The City Attorney has the right to disapprove any attorneys designated by Consultant to handle any litigation within the scope of this Article and to receive reasonable notice of Consultant's choice of such attorney. The City may retain one or more attorneys to represent the City or any entity or individual that is entitled to indemnity or defense under this Article at the City's own expense and at no expense to Consultant.
- d) Any and all claims against the City or other entity or person indemnified hereunder by Consultant, the indemnification obligation herein provided shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for Consultant.
- e) Should any of Consultant's services not conform to the requirements of this Agreement, then the City shall provide written notification of nonconformity to Consultant and provide a reasonable cure period; thereafter, (a) Consultant shall either promptly re-perform such services to the City's satisfaction at no additional charge, or (b) if such deficient services cannot be cured within the cure period set forth by the City, then this Agreement may be terminated for default.
- f) In no event will Consultant be liable for any loss, damage, cost or expense attributable solely to negligence, willful misconduct or misrepresentations by the City, its directors, employees or agents.
- g) Consultant shall not be liable to the City, by reason of any act or omission relating to the services provided under this Agreement (excluding the negligence of Consultant), whether a claim be in tort, contract or otherwise, (a) for any consequential, indirect, lost profit, punitive, special or similar damages relating to or arising from the services, or (b) in any event, in the aggregate, for any amount in excess of the total professional fees paid by the City to Consultant under this



EXHIBIT "A" FORM MSA

Agreement, except to the extent determined to have resulted from Consultant's gross negligence, willful misconduct or fraudulent acts relating to providing professional services in accordance with this Agreement.

(13) Certifications.

The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(14) Hazardous Substances.

In no event shall Consultant be a custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions in rendering any Services. Consultant's Services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the City of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant will stop affected portions of its Services.

(15) Construction Phase Services.

- a) If the Consultant's services include the preparation of documents to be used for construction and the IPO provides that the Consultant is not retained to make periodic site visits, the City assumes all responsibility for interpretation of the Documents and for construction, observation, connected thereto.
- b) If the IPO provides that Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's construction phase services will be for the purpose of providing the City a written report that the completed work of its contractors conforms to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.
- c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in the IPO. The City agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for the means and methods of job site safety; that the contractor shall indemnify the City and the Consultant for all claims and liability arising out of job site accidents; and that the City and the Consultant



EXHIBIT "A" FORM MSA

shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries: Assignment and Subcontracting.

Nothing under this Agreement shall be construed to give any rights or benefits in this Agreement to anyone other than the City and the Consultant except as expressly provided in insurance policies required by (10) Insurance, and in (12) Release, Indemnification, Hold Harmless and Defense, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of the City and the Consultant and not for the benefit of any other party except to the extent of such insurance and indemnity provisions. The City shall not assign or transfer any rights under or interest in this Agreement or any claim arising out of the performance of services by the Consultant without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, it will maintain the agreed-upon billing rates for services identified in this Agreement or the IPO, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) Confidentiality.

The City hereby consents to the use and dissemination by the Consultant of photographs of the Project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. Notwithstanding the foregoing, with respect to any facts, data or information specifically identified in writing by the City as confidential, the Consultant shall use reasonable care to maintain the confidentiality of such identified material. Confidential information shall not include and nothing herein shall limit either party's right to disclose any information provided hereunder which: (i) was or becomes generally available to the public, other than as a result of a disclosure by the receiving party or its personnel; (ii) was or becomes available to the receiving party or its representatives on a non-confidential basis, provided that the source of the information is not bound by a confidentiality agreement or otherwise prohibited from transmitting such information by a contractual, legal, or fiduciary duty; (iii) was independently developed by the receiving party without the use of any Confidential Information of the disclosing party; or (iv) is required to be disclosed by applicable law or a court order. Confidential information is subject to the Texas Public Information Act.

(18) Miscellaneous Provisions.

a) Applicable Law; Enforcement: Venue.

This Agreement and any Additional Services Agreement and IPO is to be governed by the law of the State of Texas. Exclusive venue for any legal proceeding under this



EXHIBIT "A" FORM MSA

Agreement shall be in a court sitting in Williamson County, Texas, where the City's principal administrative offices are located. This Agreement and each executed Additional Services Agreement and IPO contain the entire and fully integrated agreement between the Parties regarding the respective the subject-matter thereof, and supersede all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral.

b) Amendments

Except as provided in (1) Scope of Services, IPO or an Additional Services Agreement less than Fifty Thousand Dollars, (\$50,000.00), this Agreement can be amended only by a written document executed by both the Consultant and the City.

c) Severability.

Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions hereof. Also, the non-enforcement of any provision by either party shall not constitute a waiver of that provision nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

d) Financial Interest Prohibited.

Consultant covenants and represents that Consultant, its officers, employees, agents, consultants and subcontractors will have no financial interest, direct or indirect, in the purchase or sale of any product, materials or equipment that will be recommended or required under this Agreement.

e) Exclusive Agreement.

The parties understand and expressly agree that, in the event of any conflict between the terms of this Agreement and any other writing, this Agreement shall prevail. No modifications of this Agreement will be binding on any of the parties unless acknowledged in writing by the duly authorized governing body or representative for each party.

f) Dispute Resolution

If a dispute arises under this Agreement, the parties agree to first try to resolve the dispute informally but either Party may compel non-binding mediation with the help of a mutually selected mediator. If the parties cannot agree on a mediator, the City shall select one mediator and Consultant shall select one mediator and those two mediators shall agree upon a third mediator. Any costs and fees, other than attorney fees, associated with the mediation shall be shared equally by the parties.



EXHIBIT “A” FORM MSA

g) Force Majeure

Notwithstanding any other provisions of this Agreement to the contrary, no failure, delay or default in performance of any obligation hereunder shall constitute an event of default or a breach of this Agreement, only to the extent that such failure to perform, delay or default arises out of causes beyond control and without the fault or negligence of the party otherwise chargeable with failure, delay or default; due to acts of God, acts of public enemy, civil war, insurrection, riots, fires, floods, explosion, theft, earthquakes, natural disasters, pandemics or other casualties, strikes or other labor troubles, which render commercially impossible the performance under this Agreement by a Party.

h) Assignment

Consultant shall not sell, assign, pledge, transfer or convey any interest in this Agreement, nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of the City Manager or designee. As a condition of such consent, if such consent is granted, Consultant shall remain liable for completion of the services outlined in this Agreement in the event of default by the successor Consultant, assignee, transferee, or subcontractor.

Any attempt to transfer, pledge or otherwise assign this Agreement without said written approval, shall be void ab initio and shall confer no rights upon any third person. Should Consultant assign, transfer, convey, delegate, or otherwise dispose of any part of all or any part of its right, title or interest in this Agreement, City may, at its option, cancel this Agreement and all rights, titles and interest of Consultant shall thereupon cease and terminate, in accordance with Section 9 Termination, notwithstanding any other remedy available to City under this Agreement. The violation of this provision by Consultant shall in no event release Consultant from any obligation under the terms of this Agreement, nor shall it relieve or release Consultant from the payment of any damages to City, which City sustains as a result of such violation.

(i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS

(1). HB 1295 Compliance.

Section 2252.908 of the Texas Government Code requires that for certain types of contracts, the Owner must fill out a conflict of interest form (“Disclosure of Interested Parties”) and file with the Texas Ethics Commission at the time the signed contract is submitted to the City. For



EXHIBIT "A" FORM MSA

further information please go to the Texas Ethics Commission website via the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm.

(2) No Boycott of Israel; No Terrorist Organization.

Pursuant to Section 2270.002, Texas Government Code, the Owner hereby represents that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott Israel and, to the extent this Indenture is a contract for goods or services, will not boycott Israel during the term of this Indenture. The foregoing verification is made solely to comply with Section 2270.002, Texas Government Code, and to the extent such Section does not contravene applicable Federal law. As used in the foregoing verification, "boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

Pursuant to Subchapter F, Chapter 2252, Texas Government Code, the Owner represents that neither it nor any of its parent company, wholly- or majority-owned subsidiaries, and other affiliates is a company identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 2252.153 or Section 2270.0201, Texas Government Code, and posted on any of the following pages of such officer's internet website:

<https://comptroller.texas.gov/purchasing/docs/sudan-list.pdf>,
<https://comptroller.texas.gov/purchasing/docs/iran-list.pdf>, or
<https://comptroller.texas.gov/purchasing/docs/fto-list.pdf>.

The foregoing representation is made solely to comply with Section 2252.152, Texas Government Code, and to the extent such Section does not contravene applicable Federal law and excludes the Owner and each of its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, that the United States government has affirmatively declared to be excluded from its federal sanctions regime relating to Sudan



EXHIBIT "A" FORM MSA

or Iran or any federal sanctions regime relating to a foreign terrorist organization. The Owner understands "affiliate" to mean any entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

A. Verification Regarding Energy Company Boycotts.

To the extent this Agreement constitutes a contract for goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 13, 87th Texas Legislature, Regular Session) as amended, the Owner hereby verifies that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott energy companies and, will not boycott energy companies during the term of this Agreement. The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, "boycott energy companies" shall have the meaning assigned to the term "boycott energy company" in Section 809.001, Texas Government Code. The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

B. Verification Regarding Discrimination Against Firearm Entity or Trade Association.

To the extent this Agreement constitutes a contract for the purchase of goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 19, 87th Texas Legislature, Regular Session, "SB 19"), as amended, the hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any,

- (1) do not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association; and
- (2) will not discriminate during the term of this Agreement against a firearm entity or firearm trade association.

The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent



EXHIBIT "A" FORM MSA

Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, "discriminate against a firearm entity or firearm trade association" shall have the meaning assigned to such term in Section 2274.001(3), Texas Government Code (as added by SB 19). The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

(j) Compliance

Consultant shall provide and perform all services required under this Agreement in compliance with all applicable federal, state, and local laws, rules, ordinances and regulations.

(k) Legal authority

The signer of this Agreement for Consultant represents, warrants, assures, and guarantees that he has full legal authority to execute this Agreement on behalf of Consultant and to bind Consultant to all of the terms, conditions, provisions, and obligations herein contained.

(l) Parties Bound

This Agreement shall be binding on and inure to the benefit of the Parties hereto and their respective heirs, executors, Managers, legal representatives, and successors and assigns, except as otherwise expressly provided for herein.

(m) Captions

The captions contained in this Agreement are for convenience of reference only, and in no way limit or enlarge the terms and/or conditions of this Agreement.

(n) Incorporation of Exhibits

Each of the Exhibits listed below is an essential part of the Agreement, which governs the rights and duties of the Parties, and shall be incorporated herein for all purposes.

IN WITNESS HEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.



EXHIBIT "A" FORM MSA

CITY OF HUTTO, TEXAS

Clark Condon Associates, Inc.

BY: _____
James Earp, City Manager

BY: Elizabeth Gilbert
Elizabeth Gilbert,
Managing Principal

DATE: _____

DATE: __September 19, 2023

ATTEST:

Angela Lewis, City Secretary



EXHIBIT "A" FORM MSA

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me, the undersigned authority, this ____ day of _____, 2023, by _____, as _____ on behalf of Clark Condon Associates, Inc..

[Seal]

Notary: _____

License Expires: _____

VERIFICATION

STATE OF TEXAS §
 §
COUNTY OF _HARRIS§

The undersigned hereby affirms under penalty of perjury that they are the authorized representative and agent of Clark Condon Associates, Inc. for the purpose of making this verification, and that all representations in paragraph of the foregoing Agreement, incorporated herein by this reference, are true.

Agent's Signature: _____

Printed Name: _____

Title: _____

APPROVED AS TO FORM

_____, Hutto City Attorney



EXHIBIT "A" FORM MSA

Attachment A
Scope of Services

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY
CERTIFICATION OF FILING****1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

Clark Condon Associates, Inc.
Houston, TX United States

Certificate Number:
2023-1063768

Date Filed:
08/23/2023

Date Acknowledged:
09/08/2023

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

City of Hutto

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

MSA 23-10-B
Landscape Architectural Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Gilbert, Elizabeth	Houston, TX United States	X	
	Keilers, Mary	Houston, TX United States	X	
	Miller, Jason	Houston, TX United States	X	

5 Check only if there is NO Interested Party.

☐**6 UNSWORN DECLARATION**

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

Signature of authorized agent of contracting business entity
(Declarant)

AGENDA ITEM REPORT

11.6.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-243 regarding Master Service Agreements for Geotechnical Engineering professional services with Arias (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-201 regarding Rotation List for Geotechnical Engineering professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The purpose of this item is to approve each attached consultant Master Service Agreement as the City's selected firms on the Geotechnical Engineering rotation list.

SUMMARY OF REQUEST:

Approval of resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

There is no fiscal impact by approving a Master Service Agreement. The City incurs an obligation to spend funds if an award occurs under an Individual Project Order (IPO) issued under the Master Services Agreements.

ATTACHMENTS:

AGENDA ITEM REPORT

11.6.



-
1. MSA G Engineering Services MSA 23-07C_FY 23.24 9.1.23_Arias
 2. Form 1295 Certificate 101095466 Arias & Associates



EXHIBIT “A” FORM MSA

**[FORM] MASTER SERVICES AGREEMENT
BETWEEN THE CITY OF HUTTO AND ARIAS**

THIS [FORM] MASTER SERVICES AGREEMENT, (the “Agreement”), is executed this 21ST day of September, 2023 by and between the City of Hutto, Texas (the “City”) and Arias & Associates (ARIAS) (“the Consultant”).

RECITALS

The City and ARIAS desire to set forth the general terms and conditions whereby ARIAS, a [State of formation] [type of entity] or an affiliated company thereof will be engaged to provide professional consulting services on one or more Geotechnical Engineering projects with respect to each engagement (the “Project”), with the specifics of each engagement to be set forth in an executed Individual Project Order ("IPO"). If the IPO is executed by an affiliated company of ARIAS the IPO shall incorporate the terms and conditions of this Agreement as if the affiliated company were a Party to this Agreement. As used herein, "Consultant" shall refer to ARIAS or an affiliated company executing an IPO. Consultant shall provide a list of affiliated companies to the City and keep that list current through the life of this Agreement, including any extension hereof.

AGREEMENT

(1) Scope of Services and Additional Services Agreement.

The undertaking of the Consultant to perform professional services under this Agreement extends only to the services and costs set forth in Attachment “A” and/or a specific IPO as to any specific Project (“the Services”). However, if requested in writing by the City and agreed in writing by the Consultant, the Consultant shall perform Additional Services not to exceed Fifty Thousand Dollars, (\$50,000.00), which shall be governed by this Agreement unless otherwise agreed to in writing in an Additional Services Agreement approved by the Hutto City Council. The City shall pay the Consultant for the performance of any Additional Services an amount based upon the Consultant’s then-current hourly rates plus an amount to cover certain direct expenses attributable solely to a Project for Additional Services including telecommunications, in-house reproduction, postage, supplies, project-related computer time, and local mileage. Other direct expenses will be billed at 1.00-times cost (passed through without markup). All Additional Services shall be in writing and subject to 6(e). Non-Appropriation and Fiscal Funding. The City Manager or designee shall have the authority to



EXHIBIT "A" FORM MSA

execute the IPO and Additional Services Agreement provided that funds are available and budgeted in Fiscal Year 2023/2024.

(2) City's Responsibilities.

In addition to other responsibilities imposed on the City elsewhere in this Agreement or imposed by law, the City shall have the following responsibilities:

- a) Designate in writing a person to act as the City's representative with respect to the Services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, and make or interpret the City's decisions other than changes in the scope of Services, expiration date of this Agreement, authorization of an IPO, or changes in payment terms.
- b) Provide to Consultant all criteria and full information as to the City's requirements, objectives, and expectations for the Project, including all numerical criteria that are to be met and all standards of development, design, or construction.
- c) Assist Consultant by placing at its disposal all available information pertinent to the Project including previous reports and any other data relative to studies, design, or construction or operation of the Project.
- d) Furnish the following to Consultant, as required for performance of Consultant's Services (except to the extent provided otherwise in the relevant IPO):
 - (1) data prepared by or services of others, including without limitation borings, probings, subsurface explorations, hydrographic surveys, laboratory tests, inspection of samples, materials, and equipment;
 - (2) appropriate professional interpretations of all of the foregoing from a duly licensed and/or registered professional qualified to render such interpretation if licensure or registration is required by law;
 - (3) environmental assessments and impact statements;
 - (4) property, boundary, easement, right-of-way, topographic and utility surveys;
 - (5) property descriptions;
 - (6) any zoning, deed, and other land use restrictions; and
 - (7) other special data or consultations; all of which Consultant may use and rely upon.
- e) Provide Consultant with surveys necessary to establish reference points for construction (except to the extent provided otherwise in the relevant IPO).



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- f) Arrange for access to and make all commercially reasonable provisions for the Consultant to enter upon public and private property as required for the Consultant to perform Services, unless acquiring an easement in or commencing any condemnation of private property would be necessary to obtain access.
- g) Examine, review, and opine on, or cause be examined, reviewed, and opined on by a duly licensed and/or registered professional qualified to render such examinations, reviews, and opinions, if licensure or registration is required by law, all studies, reports, sketches, drawings, specifications, proposals and other documents presented by the Consultant, obtain advice of an attorney, insurance counselor and other consultants as the City deems appropriate for such examination, review, and opinion, and render in writing decisions pertaining thereto within a reasonable time so as not to unreasonably delay Consultant Services. The Consultant shall have no liability to the City for delays resulting from City's failure to review documents reasonably promptly unless the delay is due to defects or omissions in the Consultant's submissions.
- h) Furnish approvals and permits for all government authorities having jurisdiction and permits for all government authorities having jurisdiction over the Project to the extent the City is entitled to such approvals and permits, and such approvals and consents from others as may be necessary for the completion of the Project, if available on commercially reasonable terms.
- i) Provide or cause to be provided by qualified professionals to Consultant such accounting, independent cost estimating and insurance consulting as the City may require.
- j) Attend the pre-bid conference, bid opening, pre-construction conferences, construction progress and other job-related meetings and substantial completion inspections and final payment inspections.
- k) Give prompt written notice to the Consultant whenever the City observes or otherwise becomes aware of any development that affects the scope, timing, or payment of or for Consultant's services, or any defect or nonconformance in any aspect of the Project, without prejudice to the Consultant's duty to notify the City's representative of such.
- l) Follow appropriate City procedures to request the City to bear all costs incidental to compliance with the requirements of this paragraph.

(3) Consultant's Rights and Responsibilities

In addition to other responsibilities described in this Agreement or imposed by law, the Consultant shall have the following responsibilities:



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a) Independent Contractor.

Consultant is an independent contractor, and is not the City's employee. Consultant's employees or subcontractors are not the City's employees. This Agreement does not create a partnership, employer-employee, or joint venture relationship. No party has authority to enter into contracts as agent for the other party. Consultant and the City agree to the following rights consistent with an independent contractor relationship:

- (1) Consultant has the right to perform services for others during the term hereof.
- (2) Consultant has the sole right to control and direct the means, manner and method by which Services required by this Agreement will be performed.
- (3) Consultant has the right to hire subcontractors, or to use its employees to provide the Services required by this Agreement.
- (4) Consultant or its employees or subcontractors shall perform Services required hereunder, and the City shall not hire, supervise, or pay assistants to help Consultant.
- (5) Neither Consultant, its employees, nor its subcontractors shall receive training from the City in skills necessary to perform services required by this Agreement.
- (6) City shall not require Consultant or its employees or subcontractors to devote full time to performing the Services required by this Agreement.
- (7) Neither Consultant, its employees, nor its subcontractors are eligible to participate in any employee pension, health, vacation pay, sick pay, workers compensation, or other employee benefit plan of the City.

b) Give prompt written notice to the City's representative whenever the Consultant observes or otherwise becomes aware of any development that affects the scope, timing, or payment of or for Consultant's services, or any defect or nonconformance in any aspect of the Project, without prejudice to the City's duty to notify the Consultant of such.

(4) Period of Services.

- a) This Agreement expires on the end of the sixth calendar month following final acceptance by the City of all Projects procured under this Agreement unless the



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Parties agree in writing before said expiration date to a different expiration date by way of an Amendment.

- b) The provisions of this section and the rates of compensation for the Consultant provided for elsewhere in this Agreement have been agreed to in anticipation of conditions permitting orderly and continuous progress of the Projects through completion of the Consultant's Services. The Consultant shall begin work timely on each IPO after receipt of a fully executed copy of the IPO in question. The times for performance shall be extended, and compensation increased, as necessary for periods of suspension or delay resulting from circumstances the Consultant does not control. If such suspension or delay extends for more than six months (cumulatively), the rates of compensation in this Agreement and the IPO shall be renegotiated.

(5) Compensation for Services.

- a) The Consultant's compensation shall be computed on the basis set forth herein, unless otherwise stated in the IPO.
- b) The City shall pay the Consultant an amount based upon the Consultant's latest hourly rates as reported in the latest written schedule to be provided by the Consultant of employee rates by name or title who is to participate in providing Services, (the “Schedule”) or unless otherwise stated in an IPO, plus an amount to cover certain actual direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.00-times cost (passed through without markup). The Consultant will provide the City with a Schedule and update it with any changes.
- c) If the Consultant's compensation is on an hourly labor fee basis, estimated fees and expenses may be set forth in the IPO in question or Schedule. Services undertaken or expenses incurred by the Consultant exceeding any estimates set forth in the IPO shall not be the liability of the City.

(6) Prompt Payment Act.

- a) In accordance with Texas Government Code Chapter 2251 (the “Prompt Payment Act”), invoices shall be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within thirty (30) days of receipt and should include the invoice number and project number. Interest will be added to accounts not paid within thirty (30) days of the City’s receipt of Consultant’s invoice at the rate provided for by the Prompt Payment Act beginning on the 31st day. If the City fails to make any payment that is not disputed with the above timeframe as provided for in the Prompt Payment Act, the Consultant may, after



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giving notice to the City, suspend services and withhold deliverables until all amounts due are paid in full. Due dates and interest assessments for payment will be adjusted to conform to any relevant future amendments or supersession of the Prompt Payment Act.

- b) If the City relies on payment or proceeds from a third party to pay Consultant, and City does not pay Consultant's invoice within sixty (60) days of receipt, Consultant may communicate directly with such third party to secure payment.
- c) If the City disputes any charge in an invoice, the City shall notify the Consultant in writing providing the details of the dispute within twenty-one (21) days of receipt of the invoice. If the City disputes a portion of the invoice, payment for the undisputed portion shall be due in accordance with paragraph 6(a).
- d) If the Consultant initiates legal proceedings to collect payment to the prevailing Party may recover its actual and reasonable attorneys' fees, experts' fees, and court costs.
- e) Non-appropriation and Fiscal Funding.

This Agreement is a commitment of the City’s current revenues only. It is understood and agreed that the City shall have the right to terminate this Agreement at the end of any City fiscal year if the governing body of the City does not appropriate funds sufficient to purchase the services as determined by the City’s budget for the fiscal year in question. The City may effect such termination by giving Consultant a written notice of termination at the end of its then current fiscal year.

(7) Use of Documents.

All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant in rendering Services, (the “Documents”) are related exclusively to the Services described in this Agreement. The Documents are not intended or represented to be suitable for use, partial use or reuse by the City or others on extensions of this project or on any other project. Any modifications made by the City to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the City's sole risk and without liability to the Consultant. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the City only if expressly provided for in the IPO. Documents not containing an electronic seal are provided for the convenience of the City, and use of the Documents is at the City's sole risk. In the case of any defects in the Documents or any discrepancies between the Documents and the hardcopy of the Documents prepared by the Consultant, the hardcopy of the Documents shall govern. Data stored in electronic media format may deteriorate or may be modified without the Consultant's authorization. The City has sixty (60) days from the date of receipt of the Document to perform acceptance tests.



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(8) Opinions of Cost.

Since the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any and all opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and qualifications of Consultant and represent Consultant's reasonable judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from opinions of cost prepared by the Consultant. The City may employ an independent cost estimator to determine estimated costs.

(9) Termination.

- a) The obligation to provide further services under this Agreement may be terminated for convenience or for default by either Party upon seven (7) calendar days' written notice.
- b) If Consultant defaults in performance of this Agreement and if the City terminates this Agreement for such default, then the City shall give consideration to the actual costs incurred by Consultant in performing the work to the date of default. The cost of the work that is useable to the City, the cost to the City of employing another firm to complete the useable work, and other relevant factors will affect the value to the City of the work performed at the time of default.
- c) Consultant shall not be entitled to any consequential damages nor lost or anticipated profits for work when an Agreement is terminated hereunder.

(10) Insurance.

- a) The Consultant at Consultant's sole cost shall provide Workers' Compensation insurance as required by law, professional liability insurance, and general liability insurance in the amount of One-Million Dollars, (\$1,000,000.00). If the City directs the Consultant to obtain increased insurance coverage, the Consultant shall obtain such additional insurance if available at the City's expense as agreed to in an Additional Services Agreement or IPO.
- b) Consultant, at Consultant's sole cost, shall purchase and maintain during the entire term while this Contract is in effect professional liability insurance on an occurrence basis with no burn-off in the minimum amount of one million dollars (\$1,000,000) per claim from a company authorized to do insurance business in Texas and otherwise acceptable to City. Consultant shall also notify City, within five (5) business days of receipt, of any notices of expiration, cancellation, non-



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renewal, or material change in coverage it receives from its insurer, and the policy will require the insurance company to give the same notice to the City.

- c) Subconsultant Insurance. Without limiting any of the other obligations or liabilities of Consultant, Consultant shall require each subconsultant performing work under this Contract to maintain during the term of this Contract, at the subconsultant's own expense, the same stipulated minimum insurance required in this Agreement for the Consultant provided such coverage is necessary for subconsultant's work.
- d) Consultant shall obtain and monitor the certificates of insurance from each subconsultant in order to assure compliance with the insurance requirements. Consultant must retain the certificates of insurance for the duration of this Contract, and shall have the responsibility of enforcing these insurance requirements among its subconsultants. City shall be entitled, upon request and without expense, to receive copies of these certificates of insurance. City shall also be entitled upon request and without expense to obtain from the Consultant true and complete copies of all insurance policies required by this Agreement or by Additional Services Agreement or IPO.
- e) Insurance Policy Endorsements. Each insurance policy shall include the following conditions by endorsement to the policy:
 - (1) Companies issuing the insurance policies shall have no recourse against the City for payment of any premiums or assessments for any deductibles which all are at the sole responsibility and risk of Consultant.
 - (2) Terms "the City" or "the City of Hutto" shall include all authorities, boards, commissions, departments, and officers of the City and individual members, employees and agents in their official capacities, or while acting on behalf of the City of Hutto.
 - (3) Consultant and the City mutually waive subrogation rights each may have against the other for loss or damage, to the extent same is covered by the proceeds of insurance.
- f) The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by City, to any such future coverage, or to City's Self-Insured Retentions of whatever nature.
- g) Cost of Insurance. The cost of all insurance required herein to be secured and maintained by Consultant shall be borne solely by Consultant, with certificates of insurance evidencing such minimum coverage in force to be filed with City. Such Certificates of Insurance are evidenced as Exhibit D herein entitled "Certificates of Insurance."
- h) Each policy shall require that notices required by 10(b) be sent to:
City Manager or City Manager Designee



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500 W. Live Oak Street
Hutto, Texas 78634
Matt.Rector@HuttoTX.gov

(11) Standard of Care

- a) The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by professional engineers performing the same or similar professional services in the same locality at the time the professional services are provided. Consultant shall re-perform any work not in compliance with this warranty. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the City.
- b) If Consultant is a corporation, partnership or a limited liability company, Consultant warrants, represents, covenants, and agrees that it is duly organized, validly existing and in good standing under the laws of the state of its incorporation or organization and is duly authorized and in good standing to conduct business in the State of Texas.
- c) Franchise Tax Certification. A corporate or limited liability company Consultant certifies that it is not currently delinquent in the payment of any Franchise Taxes due under Chapter 171 of the Texas Tax Code, or that the corporation or limited liability company is exempt from the payment of such taxes, or that the corporation or limited liability company is an out of state corporation or limited liability company that is not subject to the Texas Franchise Tax, whichever is applicable.

(12) Release, Indemnification, Hold Harmless and Defense

- a) **TO THE EXTENT NOT PROHIBITED BY LAW, CONSULTANT, AND CONSULTANT'S SUCCESSORS AND ASSIGNS HEREBY COVENANTS AND AGREES TO RELEASE, DEFEND, HOLD HARMLESS, AND INDEMNIFY THE CITY AND ITS CURRENT AND FUTURE CITY COUNCIL, CITY COUNCIL MEMBERS, AND CITY OFFICERS, AGENTS, SERVANTS AND EMPLOYEES, FROM AND AGAINST ALL THIRD-PARTY CLAIMS, LIENS, SUITS, JUDGMENTS, DAMAGES, AND DEMANDS (TOGETHER, "CLAIMS") AGAINST THE CITY, WHETHER POTENTIAL OR ASSERTED, INCLUDING WITHOUT LIMITATION CONSEQUENTIAL DAMAGES, REASONABLE ATTORNEY'S FEES, RELATED EXPENSES, EXPERT WITNESS FEES, CONSULTANT FEES, AND OTHER COSTS, ARISING OUT OF THE NEGLIGENCE OR OTHER WRONGFUL CONDUCT OR OMISSION OF CONSULTANT, INCLUDING THE NEGLIGENCE OF CONSULTANT OCCURRING DURING THE PERFORMANCE OF THIS AGREEMENT. CONSULTANT SHALL NOT, HOWEVER, BE REQUIRED TO INDEMNIFY THE CITY AGAINST CLAIMS CAUSED BY THE CITY'S SOLE NEGLIGENCE. IF THE CITY**



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INCURS CLAIMS THAT ARE CAUSED BY THE CONCURRENT NEGLIGENCE OF CONSULTANT AND THE CITY, THE CONSULTANT'S INDEMNITY OBLIGATION WILL BE LIMITED TO A FRACTION OF THE TOTAL CLAIMS EQUIVALENT TO CONSULTANT'S OWN PERCENTAGE OF RESPONSIBILITY. CONSULTANT'S DUTY TO DEFEND IS NOT REDUCED OR LIMITED BY APPORTIONMENT OF LIABILITY. FOR ALL PROFESSIONAL LIABILITY CLAIMS, THE DEFENSE PROVISION ABOVE SHALL BE INTERPRETED AS INDEMNIFICATION AFTER ADJUDICATION.

- b) The provisions of this INDEMNITY are solely for the benefit of the Parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity except for the indemnified City Council, City Council Members, and City officers, agents, servants and employees. Consultant shall advise the City in writing within twenty-four (24) hours after Consultant learns of any claim or demand against the City or Consultant related to or arising out of Consultant's activities under this Agreement.
- c) Consultant shall not settle any claim against the City or against any entity or individual indemnified under this Article without the prior written consent of the City Manager and City Attorney. The City Attorney has the right to disapprove any attorneys designated by Consultant to handle any litigation within the scope of this Article and to receive reasonable notice of Consultant's choice of such attorney. The City may retain one or more attorneys to represent the City or any entity or individual that is entitled to indemnity or defense under this Article at the City's own expense and at no expense to Consultant.
- d) Any and all claims against the City or other entity or person indemnified hereunder by Consultant, the indemnification obligation herein provided shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for Consultant.
- e) Should any of Consultant's services not conform to the requirements of this Agreement, then the City shall provide written notification of nonconformity to Consultant and provide a reasonable cure period; thereafter, (a) Consultant shall either promptly re-perform such services to the City's satisfaction at no additional charge, or (b) if such deficient services cannot be cured within the cure period set forth by the City, then this Agreement may be terminated for default.
- f) In no event will Consultant be liable for any loss, damage, cost or expense attributable solely to negligence, willful misconduct or misrepresentations by the City, its directors, employees or agents.
- g) Consultant shall not be liable to the City, by reason of any act or omission relating to the services provided under this Agreement (excluding the negligence of Consultant), whether a claim be in tort, contract or otherwise, (a) for any



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consequential, indirect, lost profit, punitive, special or similar damages relating to or arising from the services, or (b) in any event, in the aggregate, for any amount in excess of the total professional fees paid by the City to Consultant under this Agreement, except to the extent determined to have resulted from Consultant's gross negligence, willful misconduct or fraudulent acts relating to providing professional services in accordance with this Agreement.

(13) Certifications.

The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(14) Hazardous Substances.

In no event shall Consultant be a custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions in rendering any Services. Consultant's Services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the City of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant will stop affected portions of its Services.

(15) Construction Phase Services.

- a) If the Consultant's services include the preparation of documents to be used for construction and the IPO provides that the Consultant is not retained to make periodic site visits, the City assumes all responsibility for interpretation of the Documents and for construction, observation, connected thereto.
- b) If the IPO provides that Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's construction phase services will be for the purpose of providing the City a written report that the completed work of its contractors conforms to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.
- c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in the IPO. The City agrees that each contract with any contractor shall state that the contractor shall be



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solely responsible for job site safety and for the means and methods of job site safety; that the contractor shall indemnify the City and the Consultant for all claims and liability arising out of job site accidents; and that the City and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries: Assignment and Subcontracting.

Nothing under this Agreement shall be construed to give any rights or benefits in this Agreement to anyone other than the City and the Consultant except as expressly provided in insurance policies required by (10) Insurance, and in (12) Release, Indemnification, Hold Harmless and Defense, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of the City and the Consultant and not for the benefit of any other party except to the extent of such insurance and indemnity provisions. The City shall not assign or transfer any rights under or interest in this Agreement or any claim arising out of the performance of services by the Consultant without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, it will maintain the agreed-upon billing rates for services identified in this Agreement or the IPO, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) Confidentiality.

The City hereby consents to the use and dissemination by the Consultant of photographs of the Project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. Notwithstanding the foregoing, with respect to any facts, data or information specifically identified in writing by the City as confidential, the Consultant shall use reasonable care to maintain the confidentiality of such identified material. Confidential information shall not include and nothing herein shall limit either party's right to disclose any information provided hereunder which: (i) was or becomes generally available to the public, other than as a result of a disclosure by the receiving party or its personnel; (ii) was or becomes available to the receiving party or its representatives on a non-confidential basis, provided that the source of the information is not bound by a confidentiality agreement or otherwise prohibited from transmitting such information by a contractual, legal, or fiduciary duty; (iii) was independently developed by the receiving party without the use of any Confidential Information of the disclosing party; or (iv) is required to be disclosed by applicable law or a court order. Confidential information is subject to the Texas Public Information Act.

(18) Miscellaneous Provisions.

- a) Applicable Law; Enforcement: Venue.



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This Agreement and any Additional Services Agreement and IPO is to be governed by the law of the State of Texas. Exclusive venue for any legal proceeding under this Agreement shall be in a court sitting in Williamson County, Texas, where the City's principal administrative offices are located. This Agreement and each executed Additional Services Agreement and IPO contain the entire and fully integrated agreement between the Parties regarding the respective the subject-matter thereof, and supersede all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral.

b) Amendments

Except as provided in (1) Scope of Services, IPO or an Additional Services Agreement less than Fifty Thousand Dollars, (\$50,000.00), this Agreement can be amended only by a written document executed by both the Consultant and the City.

c) Severability.

Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions hereof. Also, the non-enforcement of any provision by either party shall not constitute a waiver of that provision nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

d) Financial Interest Prohibited.

Consultant covenants and represents that Consultant, its officers, employees, agents, consultants and subcontractors will have no financial interest, direct or indirect, in the purchase or sale of any product, materials or equipment that will be recommended or required under this Agreement.

e) Exclusive Agreement.

The parties understand and expressly agree that, in the event of any conflict between the terms of this Agreement and any other writing, this Agreement shall prevail. No modifications of this Agreement will be binding on any of the parties unless acknowledged in writing by the duly authorized governing body or representative for each party.

f) Dispute Resolution

If a dispute arises under this Agreement, the parties agree to first try to resolve the dispute informally but either Party may compel non-binding mediation with the help of a mutually selected mediator. If the parties cannot agree on a mediator, the City shall select one mediator and Consultant shall select one mediator and those two



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mediators shall agree upon a third mediator. Any costs and fees, other than attorney fees, associated with the mediation shall be shared equally by the parties.

g) Force Majeure

Notwithstanding any other provisions of this Agreement to the contrary, no failure, delay or default in performance of any obligation hereunder shall constitute an event of default or a breach of this Agreement, only to the extent that such failure to perform, delay or default arises out of causes beyond control and without the fault or negligence of the party otherwise chargeable with failure, delay or default; due to acts of God, acts of public enemy, civil war, insurrection, riots, fires, floods, explosion, theft, earthquakes, natural disasters, pandemics or other casualties, strikes or other labor troubles, which render commercially impossible the performance under this Agreement by a Party.

h) Assignment

Consultant shall not sell, assign, pledge, transfer or convey any interest in this Agreement, , without the consent of the City Manager or designee. As a condition of such consent, if such consent is granted, Consultant shall remain liable for completion of the services outlined in this Agreement in the event of default by the successor Consultant, assignee, transferee, or subcontractor.

Any attempt to transfer, pledge or otherwise assign this Agreement without said written approval, shall be void ab initio and shall confer no rights upon any third person. Should Consultant assign, transfer, convey, delegate, or otherwise dispose of any part of all or any part of its right, title or interest in this Agreement, City may, at its option, cancel this Agreement and all rights, titles and interest of Consultant shall thereupon cease and terminate, in accordance with Section 9 Termination, notwithstanding any other remedy available to City under this Agreement. The violation of this provision by Consultant shall in no event release Consultant from any obligation under the terms of this Agreement, nor shall it relieve or release Consultant from the payment of any damages to City, which City sustains as a result of such violation.

(i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS

(1). HB 1295 Compliance.

Section 2252.908 of the Texas Government Code requires that for certain types of contracts, the Owner must fill out a conflict of interest form (“Disclosure of Interested Parties”) and file with the Texas Ethics



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Commission at the time the signed contract is submitted to the City. For further information please go to the Texas Ethics Commission website via the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm.

(2) No Boycott of Israel; No Terrorist Organization.

Pursuant to Section 2270.002, Texas Government Code, the Owner hereby represents that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott Israel and, to the extent this Indenture is a contract for goods or services, will not boycott Israel during the term of this Indenture. The foregoing verification is made solely to comply with Section 2270.002, Texas Government Code, and to the extent such Section does not contravene applicable Federal law. As used in the foregoing verification, "boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

Pursuant to Subchapter F, Chapter 2252, Texas Government Code, the Owner represents that neither it nor any of its parent company, wholly- or majority-owned subsidiaries, and other affiliates is a company identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 2252.153 or Section 2270.0201, Texas Government Code, and posted on any of the following pages of such officer's internet website:

<https://comptroller.texas.gov/purchasing/docs/sudan-list.pdf>,
<https://comptroller.texas.gov/purchasing/docs/iran-list.pdf>, or
<https://comptroller.texas.gov/purchasing/docs/fto-list.pdf>.

The foregoing representation is made solely to comply with Section 2252.152, Texas Government Code, and to the extent such Section does not contravene applicable Federal law and excludes the Owner and each of its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, that the United States government has affirmatively



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declared to be excluded from its federal sanctions regime relating to Sudan or Iran or any federal sanctions regime relating to a foreign terrorist organization. The Owner understands "affiliate" to mean any entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

A. Verification Regarding Energy Company Boycotts.

To the extent this Agreement constitutes a contract for goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 13, 87th Texas Legislature, Regular Session) as amended, the Owner hereby verifies that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott energy companies and, will not boycott energy companies during the term of this Agreement. The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, "boycott energy companies" shall have the meaning assigned to the term "boycott energy company" in Section 809.001, Texas Government Code. The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

B. Verification Regarding Discrimination Against Firearm Entity or Trade Association.

To the extent this Agreement constitutes a contract for the purchase of goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 19, 87th Texas Legislature, Regular Session, "SB 19"), as amended, the hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any,

- (1) do not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association; and
- (2) will not discriminate during the term of this Agreement against a firearm entity or firearm trade association.



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The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, "discriminate against a firearm entity or firearm trade association" shall have the meaning assigned to such term in Section 2274.001(3), Texas Government Code (as added by SB 19). The Owner understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

(j) Compliance

Consultant shall provide and perform all services required under this Agreement in compliance with all applicable federal, state, and local laws, rules, ordinances and regulations enacted at the time Consultant provided services under this Agreement or IPO pursuant to this Agreement.

(k) Legal authority

The signer of this Agreement for Consultant represents, warrants, assures, and guarantees that he has full legal authority to execute this Agreement on behalf of Consultant and to bind Consultant to all of the terms, conditions, provisions, and obligations herein contained.

(l) Parties Bound

This Agreement shall be binding on and inure to the benefit of the Parties hereto and their respective heirs, executors, Managers, legal representatives, and successors and assigns, except as otherwise expressly provided for herein.

(m) Captions

The captions contained in this Agreement are for convenience of reference only, and in no way limit or enlarge the terms and/or conditions of this Agreement.

(n) Incorporation of Exhibits

Each of the Exhibits listed below is an essential part of the Agreement, which governs the rights and duties of the Parties, and shall be incorporated herein for all purposes.



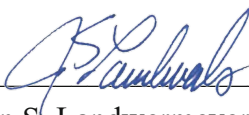
EXHIBIT "A" FORM MSA

IN WITNESS HEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

CITY OF HUTTO, TEXAS

ARIAS

BY: _____
James Earp, City Manager

BY: _____
John S. Landwermeier, P.E., Managing
Principal, Austin Operations

DATE: _____

DATE: 9/19/2023

ATTEST:

Angela Lewis, City Secretary



EXHIBIT "A" FORM MSA

STATE OF TEXAS §
 §
COUNTY OF _____ §

This instrument was acknowledged before me, the undersigned authority, this ____ day of _____, 2023, by _____, as _____ on behalf of ARIAS.

[Seal]

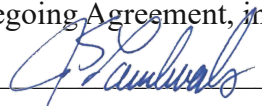
Notary: _____

License Expires: _____

VERIFICATION

STATE OF TEXAS §
 §
COUNTY OF _____ §

The undersigned hereby affirms under penalty of perjury that they are the authorized representative and agent of ARIAS for the purpose of making this verification, and that all representations in paragraph of the foregoing Agreement, incorporated herein by this reference, are true.

Agent's Signature: 

Printed Name: John S. Landwermeyer, P.E.

Title: Managing Principal, Austin Operations

APPROVED AS TO FORM

_____, Hutto City Attorney



EXHIBIT "A" FORM MSA

Attachment A
Scope of Services

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY
CERTIFICATION OF FILING****1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**

Arias & Associates, Inc.
San Antonio, TX United States

Certificate Number:
2023-1063230

Date Filed:
08/22/2023

Date Acknowledged:
09/08/2023

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

City of Hutto

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

MSA23-06-C/Task Order #23-004A
On-Demand Material Testing Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Arias, P.E., Robert	San Antonio, TX United States	X	
	Arias, Jeremy	San Antonio, TX United States	X	
	Hawkins, Amber	San Antonio, TX United States	X	
	Arias, Eric	San Antonio, TX United States	X	

5 Check only if there is NO Interested Party.

☐**6 UNSWORN DECLARATION**

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

Signature of authorized agent of contracting business entity
(Declarant)

AGENDA ITEM REPORT

11.7.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-250 authorizing the City Manager to execute a Letter of Intent for Environmental Protection Agency (EPA) Water Infrastructure Finance and Innovation Act (WIFIA) credit assistance (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

The South Waste Water Treatment Project is estimated to cost \$180M. The EPA WIFIA Loan is issued at current interest rates, but acts as a draw note, so that interest is paid on amounts that are drawn down, not the full amount of the authorization. This is different from a Bond Issuance because the City pays interest on the full principal and interest amount on day one of the issuance.

There is a \$100k application fee that will need to be paid at the time of application for the Loan. There is nothing to pay at this time, just a letter of intent. Acceptance of Federal Funding subjects the City to federal rules and regulations and the City must flow down these rules to all contractors and subcontractors on the project. The City will also have all expenditures related to this Loan included in the annual single audit. Both compliance with federal rules and regulations and the single audit will have costs associated with them, which will be mitigated by the decrease in interest paid for the draw note versus traditional Bond Financing.

The EPA came to the City last year and spoke with the City regarding the process. Only one Texas City has qualified for WIFIA funding and the EPA expressed interest in providing more WIFIA Loans to Texas projects.

SUMMARY OF REQUEST:

Approval of the Resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

No fiscal impact from providing the letter of intent. If the City decides to apply for the funding, then a \$100k application fee will be required. Finance is supportive of the letter of intent at this time.

AGENDA ITEM REPORT

11.7.



ATTACHMENTS:

1. Hutto Resolution WIFIA LOI
2. Exh A WIFIA FY 2022 LOI_Hutto SWWTP_9.13.2023

RESOLUTION NO. R-2023-250

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
AUTHORIZING THE CITY MANAGER TO EXECUTE A
LETTER OF INTENT FOR WATER INFRASTRUCTURE
FINANCE AND INNOVATION ACT CREDIT ASSISTANCE;
PROVIDING PROPER NOTICE & MEETING, AND
PROVING AN EFFECTIVE DATE.**

WHEREAS, the City Council desires to authorize the City Manager to execute a Letter of Intent for Water Infrastructure Finance and Innovation Act Credit Assistance.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute a Letter of Intent for Water Infrastructure Finance and Innovation Act Credit Assistance, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

RESOLVED this ____ day of _____ 2023.

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



WIFIA Letter of Interest Instructions

A prospective borrower seeking Water Infrastructure Finance and Innovation Act (WIFIA) credit assistance must complete and submit this letter of interest form and provide requested attachments to the U.S. Environmental Protection Agency (EPA) following the instructions in the [Notice of Funding Availability](#) (NOFA). In its submittal, the prospective borrower:

- 1) Describes itself and its proposed project(s);
- 2) Provides key financial and engineering information and documents; and
- 3) Explains how the project meets the [WIFIA selection criteria](#).

The prospective borrower should answer all questions in this form. Narrative answers can reference source documents by including the name of the document and relevant pages or sections and providing any referenced documents as attachments. The prospective borrower must sign Sections E and F in the appropriate spaces.

A prospective borrower may assert a Confidential Business Information (CBI) claim covering part or all of the information submitted to EPA as part of its letter of interest, in a manner consistent with 40 C.F.R. 2.203, 41 Fed. Reg. 36902 (Sept. 1, 1976), by placing on (or attaching to) the information a cover sheet, stamped or typed legend, or other suitable form of notice employing language such as trade secret, proprietary, or company confidential. The prospective borrower should also state whether it desires confidential treatment until a certain date or until the occurrence of a certain event. Information covered by a business confidentiality claim will be disclosed by EPA only to the extent and only by means of the procedures set forth under 40 C.F.R. Part 2, Subpart B. Information that is not accompanied by a business confidentiality claim when it is received by EPA may be made available to the public by EPA without further notice to the prospective borrower. More information about CBI is available in the [WIFIA program handbook](#).

The total length of the letter of interest form should not exceed 50 pages, excluding any attachments. Font size should not be smaller than 11-point Calibri. There is no limit to the number or length of attachments provided. Attachments should be the most recent versions of the documents available at the time of submission and may be draft or preliminary. Attachments must be referenced in the letter of interest form to be considered.

The final letter of interest submission must include:

- 1) A completed, signed version of this letter of interest form
- 2) All attachments requested and referenced in the letter of interest form

When finished, the letter of interest form and attachments may be submitted by uploading the documents to EPA's SharePoint site. To be granted access to the SharePoint site, the prospective borrower can request access to SharePoint by emailing wifia@epa.gov. After uploading the completed letter of interest form and all attachments, emailing the WIFIA program office at wifia@epa.gov, with the subject line: "[NAME OF PROSPECTIVE BORROWER] – [NAME OF PROJECT] – Letter of Interest Submitted".



After EPA's intake process is complete, it will provide a confirmation email to the contacts listed in Section D.

Additional instructions and resources for completing and submitting this letter of interest are available in the [NOFA](#), [WIFIA program handbook](#), and WIFIA website (www.epa.gov/wifia). Questions may be submitted to the WIFIA program office at wifia@epa.gov.

Burden

The public reporting and recordkeeping burden for this collection of information is estimated to average 60 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, included through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Warning

Falsification or misrepresentation of information or failure to file or report information required to be reported may be the basis for denial of financial assistance by EPA. Knowing and willful falsification of information required to be submitted and false statements to a Federal Agency may also subject you to criminal prosecution. See, for example, 18 U.S.C. §1001.

Additional information about the WIFIA program and the letter of interest form is available at <https://epa.gov/wifia> and by contacting wifia@epa.gov.



LETTER OF INTEREST

Provide the following information in this form or as narrative answers. Narrative answers can reference source documents (include the name of the document and relevant pages or sections). Provide any referenced documents as attachments.

Section A: Key Loan Information

1. Legal name of prospective borrower:

City of Hutto, Texas

2. Other names under which the prospective borrower does business:

N/A

3. Project name *(assign a short name to the project for purposes of identification)*:

City of Hutto South Wastewater Treatment Plant Expansion to 6 MGD

4. Provide a brief description of the project(s) seeking financing. Limit the description to the elements included in the estimated total projects costs in Question A-7. (Word Limit: 300).

The City of Hutto's (City's) 2022 Wastewater Master Plan outlines a phased expansion approach for the South Wastewater Treatment Plant (SWWTP) from 2 MGD existing to 6 MGD in Phase 1 (by 2025). The City has brought on Garver to complete final design to expand the SWWTP to 6 MGD. The 6 MGD expansion includes the following:

1. New headworks with new influent screens, grit removal system, primary and secondary clarifiers, anaerobic-anoxic-aerobic (A2O) basins, aeration blowers, recycled activated sludge (RAS) / waste activated sludge (WAS) Pump station, tertiary filters, chem feed system, UV disinfection system, post aeration basin, dewatering building with centrifuges, odor control system, electrical buildings, and a non-potable and reclaimed water system.

2. Repurposing the existing sequencing batch reactors (SBRs) as sludge holding tanks.

A Construction Manager at Risk (CMAR) is being brought on board during the 60% design phase to enable the project to be completed within the necessary short time-frame.

Attachment A and B, the Preliminary Engineering Report and Equipment Alternatives Evaluation Report, provide additional project information and describe the project in more detail.



-
5. Describe the project's or projects' purpose(s) (including quantitative or qualitative details on public benefits the project will achieve). If the loan contains more than one project, the projects must serve a common purpose. Describe the common purpose that the projects share (i.e. addressing sanitary sewer overflows or improving drinking water quality). (Word limit: 300).

The City of Hutto is located in one of the most rapidly growing areas in the nation. Per Texas Administrative Code (TAC) §305.126, when a wastewater treatment plant reaches 75% of its permitted annual average flow for three consecutive months, the utility must initiate engineering and financial planning for expansion. The average flow to the City's South Wastewater Treatment Plant (SWWTP) from January - March 2023 was 1.5 MGD, which is 75% of the existing permitted capacity of 2 MGD. To maintain a proactive approach, the City has brought on Garver to design an expansion of the SWWTP to 6 MGD. The decision to expand to 6 MGD was based on population and associated wastewater flow projections as outlined in the 2022 Wastewater Master Plan (WWMP). The 2022 WWMP is attached to this LOI. The expansion of the SWWTP will allow the City to serve future development, improve operational flexibility of the existing wastewater treatment plant, and establish a reclaimed water system for public use.

6. Requested amount of the WIFIA loan (in dollars). This amount may be no more than 49% of the estimated eligible project costs provided in question A-7 (except for systems that serve a population of 25,000 or less and may request up to 80% of the estimated eligible costs):

\$ 97,314,831

7. Estimated total eligible project costs (in dollars):

\$ 198,601,695

8. Identify the date the prospective borrower will submit an application. (Assume invitations to apply will be issued approximately 8 weeks from letter interest submission).

01/19/2023



US Environmental Protection Agency
WIFIA Program
Letter of Interest

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 EPA Form No. 6100-030
 Approval expires 4/24/2023

9. Identify the date the prospective borrower wants to close its WIFIA loan.

07/15/2024

10. Identify the type of entity that the prospective borrower is (pick one):

- ☐ A. Corporation
- ☐ B. Partnership
- ☐ C. Joint Venture
- ☐ D. Trust
- ☒ E. Federal, State, or Local Government Entity, Agency, or Instrumentality
- ☐ F. Tribal Government or Consortium of Tribal Governments
- ☐ G. State infrastructure Finance Authority

11. If option E, F, or G was selected in question A-10, does the prospective borrower have legal authority to carry out the proposed project activities described in this Letter of Interest?

- ☒ Yes ☐ No ☐ Not Applicable

If yes, cite the legal authority.

The City Charter requires a 5-year Capital Improvements Plan (CIP) to be submitted to Council annually. The Charter also requires an annual budget to be submitted and approved by City Council that includes a list of all capital improvements proposed to be undertaken in the next 5 fiscal years. The proposed project activities are included in both these documents and have been approved by City Council.

12. If "C. Joint Venture" was selected in question A-10, describe the organizational structure of the project(s) and attach an organizational chart illustrating this structure. Explain the relationship between the prospective borrower, the project, and other relevant parties. Include individual members or titles of the project team(s) and their past experiences with projects of similar size and scope. If multiple parties are involved in the project's construction, maintenance, and operation, describe the project's risk allocation framework.

EXHIBIT A



US Environmental Protection Agency WIFIA Program Letter of Interest

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EPA Form No. 6100-030
Approval expires 4/24/2023

N/A

13. Complete the following table to provide information about the jurisdiction and population served by the system.

Jurisdiction served (municipality, county, etc)	Total population of the jurisdiction	% of jurisdiction population served by project
Williamson County, Texas (2022)	671,418	3.6
City of Hutto (2022)	36,655	66.6

If you serve more jurisdictions than fit on the table, please attach a similar table with the complete list. Provide the filename in the textbox.

File Name: _____

Total Population Served by Project: 75,000

Assuming 80 gpcd per the Hutto Utility Design Criteria Manual. Existing population served by the WWTP is 24,400.

14. Borrower department and division name:

City of Hutto Finance Department

15. Business street address:

Street Address: 500 W Live Oak Street

City/State/Zip: Hutto TX 78634



US Environmental Protection Agency
WIFIA Program
Letter of Interest

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Approval expires 4/24/2023

16. Mailing street address (if different from above):

Street Address: 500 W Live Oak Street
City/State/Zip: Hutto TX 78634

17. Employer/taxpayer identification number (EIN/TIN):

74-1472192

18. Unique Entity ID from SAM.gov:

DJGJN8K6EZD8

19. National Pollutant Discharge Elimination System (NPDES) and/ or Public Water System (PWS) number (if applicable):

EPA ID: TX0132926

20. If the prospective borrower is not a public entity, is the project(s) publicly sponsored? Please explain.

The City of Hutto is a public entity.



Section B: Engineering & Credit

1. Provide applicable technical and environmental reports for each aspect of the project(s). These may include:

- Preliminary design/engineering report
- Planning documents
- Federal or State environmental information report or assessment
- Resource-specific technical reports (such as biological or cultural resources)

Provide the filename(s) for each report type in the textbox.

If no such reports are available, provide a detailed description of all major project components and anticipated environmental documentation. Indicate whether the project involves the construction of new facilities or the renovation or replacement of existing ones.

Document 1: Preliminary Design Report, Attachment	File Name 1: <u>Hutto South WWTP Expansion 30% De</u>
Document 2: <u>Equipment Alternatives Evaluation, At</u>	File Name 2: <u>Hutto South WWTP Alternatives Evalu</u>
Document 3: <u>Hutto 2022 Wastewater Master Plan,</u>	File Name 3: <u>Hutto WW Master Plan FINAL 12.2.20</u>
Document 4: <u>Environmental Constraints Report Att</u>	File Name 4: <u>Hutto WWTP Environmental Constrai</u>
Document 5: _____	File Name 5: _____

Critical Project Drivers/Project Goals:

- Meeting future wastewater demands
- Meeting effluent water quality permit limits
- Instituting a Type I reuse system
- Providing operational reliability
- Maintaining project schedule and budget

A summary of proposed improvements for the 6 MGD Expansion is as follows:

1. Influent Screening: Provide new step screens to match the existing step screens at the plant.
2. Grit Removal: Provide a new vortex grit removal system.
3. Primary Clarifier: Provide two new 100-ft diameter primary clarifiers.
4. Aeration Basins: Provide two new 3.0 MGD A2O basins. Basins will include anaerobic, anoxic, and aerobic zones. The aerobic zones will be equipped with fine bubble disc diffusers.
5. Aeration Blowers: Provide new multistage centrifugal blowers.
6. Secondary Clarifier: Provide two new 120-ft diameter secondary clarifiers with spiral rake scrapers.
7. RAS/WAS Pump Station: Provide a new RAS/WAS pump station with above-ground flooded-suction centrifugal pumps.
8. Tertiary Filters: Provide new fully submerged cloth media disk filtration.
9. Chemical Feed: Provide a new alum feed system to the tertiary filters to allow for phosphorous removal as a backup. Provide a new sodium hypochlorite feed system to treat the proposed new reclaimed water system.
10. UV Disinfection: Provide 45 Degree low pressure, high output (LPHO) UV Technology.
11. Post Aeration: Provide a new post aeration basin with fine bubble diffusers.

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Approval expires 4/24/2023

- [illegible]

File Name:



3. Describe the proposed security (e.g., water utility revenue or general obligation) and priority of payment (senior or subordinate to existing debt) for the WIFIA loan. Provide an existing credit rating that is less than a year old or is actively maintained. The rating should be on the same security and priority as the proposed WIFIA loan.

Credit rating is:

☒ Attached ☐ Not Available

On April 7, 2023, S&P (Standard and Poors) Global Ratings assigned a rating of AA- for the City of Hutto.

See Appendix E- 10- Rating Letter for your reference.

4. If credit rating "Not Available" in Question B-4, describe how the WIFIA loan will achieve an investment-grade rating and provide a financial pro forma and three years of audited financial statements. Indicate the filenames in the textbox below.

The financial pro forma should include key long-term (at least 10 years, but no greater than the proposed life of the WIFIA loan) revenues, expenses, and debt repayment assumptions for the revenue pledged to repay the WIFIA loan.

The financial pro forma should be provided in an editable Microsoft Excel format, not in PDF or "values" format and include, at a minimum, the following:

- a. Sources of revenue
- b. Operations and maintenance expenses
- c. Dedicated source(s) of repayment
- d. Capital expenditures
- e. Debt service payments
- f. Projected debt service coverage ratios for total existing debt and the WIFIA debt
- g. The project's or system's debt balances broken down by funding sources
- h. Equity distributions, if applicable



US Environmental Protection Agency
WIFIA Program
Letter of Interest

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If available, include sensitivity projections for pessimistic, base and optimistic cases. A sample financial pro forma is available at <https://www.epa.gov/wifia/wifia-application-materials>. Provide the financial pro forma filename in the textbox.

File Name: _____

N/A - Credit rating provided above.

EXHIBIT A



US Environmental Protection Agency
WIFIA Program
Letter of Interest

OMB Control No. 2040-0292
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 Approval expires 4/24/2023

5. Provide a sources and uses of funds table for the construction period(s), including the proposed WIFIA loan. For prospective borrowers other than Public Entities, add rows as needed to identify the amount and source(s) of project equity, letters of credit, and other sources of debt as applicable. Information about eligible costs is available in the [WIFIA program handbook](#).

Sources Category	Estimated Dollar Value
1. WIFIA Loan (cannot exceed 49% of eligible costs)	\$ 97,314,831
2. Revenue Bonds	\$ 70,002,108
3. SRF Loan	
4. Borrower Cash	
5. Previously Incurred Eligible Costs* 30% Design Cost	\$ 1,284,756
6. Other (please specify) From Bureau of Reclamation Title XVI	\$ 30,000,000
7. Other (please specify)	
TOTAL SOURCES	\$ 198,601,695
Uses Category	Estimated Cost
1. Construction	\$ 148,534,300
2. Design Includes design services during construction.	\$ 15,290,505
3. Planning	
4. Land Acquisition	
5. Other Capital Costs	
6. Contingency Includes escalation to the midpoint of construction.	\$ 18,563,000
7. Total Capital Costs	
8. Financing Costs	
9. Other (please specify) CMAR Fee.	\$ 16,213,890
10. Other (please specify)	
TOTAL USES	\$ 198,601,695

*Previously Incurred Eligible Costs are project related costs incurred prior to the WIFIA loan's execution. Please see the WIFIA Program Handbook for additional information on Eligible Costs.



Section C: Selection Criteria

For each question answered yes, provide a response to explain how the project seeking the WIFIA loan achieves the stated result. When applicable, reference attachments. Responses to these questions will allow the WIFIA program to evaluate the project in relation to the selection criteria outlined in the NOFA. If the Letter of Interest contains multiple projects, include information about any of the projects that would fit the selection criteria. See [Attachment A: Selection Criteria & Scoring](#) for more information.

1. Explain how this project will support economic growth, including construction and post-construction jobs.

The implementation of this project is anticipated to generate employment opportunities, with approximately 30-40 jobs during the construction phase and 1-2 positions available after construction. The calculation of post-construction jobs took into account the expanded requirements of personnel at the WWTP. The expansion necessitates the presence of 1-2 additional full-time employees solely responsible for operating and maintaining the facility.

2. What, if any, voluntary procedures do you have in place to promote domestic preference for products being used to construct the project?

The project ensures compliance with the American Iron and Steel (AIS) requirements. All iron and steel products utilized will be manufactured in the United States and meet the relevant guidelines.

Garver entered into a contract with the City of Hutto on February 24, 2022 to complete a 2022 Wastewater Master Plan. The master plan project included a task for a wastewater plant evaluation including evaluation and recommendation of phased expansions to the Hutto South WWTP. One of the projects identified was to expand the Hutto South WWTP to 6.0 MGD. The WIFIA Program Waiver waives projects from the Build America, Buy America (BABA) requirements for projects that initiated planning and design prior to May 14, 2022. As a result, the project is exempt from BABA requirements under the WIFIA Program Waiver.



3. Will the project support international commerce?

☒

Yes

☐

No

If yes, explain how.

Depending on the development of the final design, there is a possibility of acquiring certain process equipment from international companies. The decision regarding the purchase of such equipment will be based on the specific requirements and progress of the project's final design.

4. Explain how the project will protect human health and/or the environment, including drinking water protection, source water protection, water quality, and water quantity.

The existing WWTP has a capacity of treating 2 MGD. The City's population growth and wastewater production projections indicate a need for the City to expand the SWWTP's existing wastewater treatment capacity from 2 MGD to 6 MGD in the near-term. This project will protect the environment by ensuring the City has adequate capacity to treat all influent wastewater to a high standard by removing the required contaminants and solids up to meet Texas Commission on Environmental Quality (TCEQ) permitted water quality levels.

This project will also provide non-potable water for the plant's operation and maintenance and Type 1 reclaimed water for external users. The implementation of a reclaimed water system is anticipated to reduce demand on City's existing potable water system.



-
5. Does the project protect the system, project specific asset, or community from extreme weather events such temperature, storms, floods, or sea level rise? Discuss the extent to which planning addressed changes in future frequency of such events.



Yes



No

If yes, explain how.

The Hutto SWWTP project is being constructed outside the 100-yr floodplain. Therefore, the expanded WWTP will ensure protection and continued treatment during a 100-year flood event. This will prevent the community from being impacted by untreated wastewater. Williamson County is updating the floodplain data based on the revised Atlas 14 rainfall data published by NOAA in 2018. This update is ongoing and is not expected to be final until 2024. This data will be incorporated in the final design if official data is available before the South WWTP design is finalized.

Equipment and instruments will be carefully chosen and recommended to meet Texas' extreme (high and low temperature) weather conditions. Equipment will be placed within air conditioned and/or heated facilities where necessary.

6. Does the project reduce greenhouse gas emissions?



Yes



No

If yes, explain how.

By introducing centrifuges instead of the current belt filter press technology as a biosolids treatment method at the Hutto SWWTP offers the advantage of producing drier cakes. This reduction in moisture content results in fewer solid disposal trips per million gallons per day (MGD), leading to decreased transportation requirements. As a consequence, greenhouse gas emissions associated with the transportation and disposal of biosolids are effectively reduced, contributing to a more environmentally sustainable wastewater treatment process.



7. Does the project serve a population in a region impacted by significant energy exploration, development, or production areas?

☒ Yes ☐ No

If yes, explain how.

Central Texas is historically an area that has been impacted by energy exploration, development and production. Based on the oil and gas well locations published by the Railroad Commission (RRC) of Texas, there are two permitted oil/gas well locations situated outside of the City Limits but within the City's Extra-Territorial Jurisdiction. These locations are located to the northwest of the City. Additionally, there are additional permitted oil/gas well locations positioned east and southeast of the City, between the City of Hutto and the City of Taylor. The closest permitted location to the South WWTP is approximately 2.9 miles southeast of the WWTP.

This area is characterized by rapid industrial growth within the energy and high-tech manufacturing sectors, and this project will address some of that growth.

8. Does the project protect water resources with exceptional recreational value or ecological importance?

☒ Yes ☐ No

If yes, identify the water resources, why it has exceptional recreational value or ecological importance, and describe how the project protects it.

The implementation of proposed wastewater treatment processes plays a crucial role in enhancing the quality of the effluent that is discharged into Brushy Creek. Brushy Creek holds significant value both as a recreational area and as an ecosystem that supports endangered species. By improving the effluent quality, these treatment processes aim to minimize the potential negative impact on the creek's ecosystem and safeguard the well-being of the endangered species that depend on it.

Furthermore, the Hutto South Wastewater Treatment Plant (SWWTP) plans to implement the crucial Biological Nutrient Removal (BNR) process. This process efficiently eliminates phosphorus from wastewater, addressing the threat posed by excessive phosphorus levels to water quality and aquatic ecosystems. BNR effectively addresses this issue by targeting and removing phosphorus, contributing to the preservation of water resources and the well-being of aquatic environments.



9. Is the project identified as a municipal, regional, state, or multistate priority?

☒

Yes

☐

No

If yes, attach the relevant document and write in the textbox the filename and relevant section(s) or page(s).

Yes, the project has been identified as a municipal priority in the City's 2022 Wastewater Master Plan - Attachment C, pages 10, 11, 13 and 21.

10. Is the project designed to address an existing compliance issue or maintain compliance?

☒

Yes

☐

No

If yes, identify the compliance issues(s). Explain how and to what extent the project addresses it.

This project is being designed to maintain compliance with Texas Administrative Code (TAC) §305.126.

According to the regulations, once a wastewater treatment plant consistently operates at 75% of its permitted annual average flow for three consecutive months, the utility is required to start planning for expansion, both in terms of engineering and finances. As a result, the City has enlisted the services of Garver to undertake the design and engineering tasks for expanding the current 2 MGD plant to 6 MGD. The expansion project will adhere to TCEQ Ch. 217 regulations and ensure that the City has sufficient capacity to handle the expected influent wastewater flows.



-
11. Does the project reduce exposure to lead or emerging contaminants within a drinking water or wastewater system?



Yes



No

If yes, explain how.

The implementation of the proposed anaerobic-anoxic-aerobic (A2O) method at Hutto SWWTP for wastewater treatment serves multiple purposes, including the potential removal of emerging contaminants. By employing this method, we can address organic pollutants and nutrients in the wastewater while also targeting certain emerging contaminants that are susceptible to biodegradation or transformation processes. This approach helps ensure the effective treatment of wastewater while addressing emerging contaminant concerns, promoting cleaner water resources and environmental protection.

It is important to note that while the A2O method can contribute to the removal of emerging contaminants, its effectiveness may vary depending on the specific contaminants and their concentrations.

12. Does this project or projects include costs for implementing cybersecurity measures?



Yes



No

If yes, please describe these measures and associated costs.

To guarantee a secure and resilient system, the design will incorporate cybersecurity measures. To eliminate the risk of virtual malicious attacks, the Supervisory Control and Data Acquisition (SCADA) system will remain disconnected from the Internet. However, to ensure further protection, the implementation of firewalls and ethernet switches will establish virtual network segregation and enhance security. The primary focus of cybersecurity measures will be on preventing physical access to the SCADA network. Measures such as site fencing and locked enclosures will be in place to deter unauthorized entry by malicious individuals. The costs for these cybersecurity measures are already accounted for within the overall construction budget for the plant expansion.



13. Will the project implement new or innovative technology(ies), such as using renewable or alternate sources of energy, water recycling, or desalination?

☒

Yes

☐

No

If yes, explain how.

Through the implementation of this project, the plant will gain the capacity to produce TCEQ Type 1 reclaimed water. This water can serve non-potable needs within the plant and be distributed for external uses such as irrigation and construction purposes citywide. To ensure compliance with the requirements of a Type I permit, the plant expansion will integrate tertiary filtration and disinfection processes, guaranteeing that the quality of the effluent water meets the mandated standards. This initiative enhances sustainability, enabling efficient utilization of reclaimed water while maintaining the necessary water quality standards.

Garver developed a Feasibility Study for the Bureau of Reclamation (BOR) further outlining the benefits and proposed uses of reclaimed water from the Hutto South WWTP. See the BOR Feasibility Study Report attached as an Appendix F for your reference.

14. Will the project use new or innovative approaches to plan, design, manage, and/or implement the project?

☒

Yes

☐

No

If yes, explain how.

By incorporating a Construction Management At-Risk (CMAR) during the pre-construction phase, specifically at the 60% design stage, this project aims to enhance its adherence to schedule and budget. This strategic decision serves to minimize and mitigate the City's overall risks associated with the construction process. The involvement of a CMAR brings valuable expertise, allowing for optimized planning and early identification of potential issues. Effective communication and collaboration among all stakeholders are facilitated, reducing misunderstandings and delays. Furthermore, the CMAR's proactive risk assessment and management contribute to avoiding costly disruptions and unexpected expenses. Ultimately, this approach ensures a smoother construction process and a higher likelihood of achieving the project's objectives.



15. WIFIA funding would

- ☐ Delay the project development schedule
- ☐ Have no impact on the project development schedule
- ☐ Accelerate the project development schedule
- ☒ Allow you to implement other high priority projects sooner than anticipated
- ☐ Be the only funding option that would allow the project to be implemented

16. Will WIFIA financing reduce the contribution of Federal assistance to the project?

- ☐ Yes ☒ No



US Environmental Protection Agency
WIFIA Program
Letter of Interest

OMB Control No. 2040-0292
EPA Form No. 6100-030
Approval expires 4/24/2023

Section D: Contact Information

1. Primary point of contact

Name: Mr. Matt Rector
Title: City Engineer
Organization: City of Hutto
Street Address: 500 W Live Oak Street
City/State/Zip: Hutto TX 78634
Phone: (512) 759-4025
E-mail: Matt.Rector@HuttoTX.gov

2. Secondary point of contact

Name: Ms. Christina Bishop
Title: Finance Controller
Organization: City of Hutto
Street Address: 500 W Live Oak Street
City/State/Zip: Hutto TX 78634
Phone: (512) 759-4002
E-mail: Christina.Bishop@HuttoTX.gov



Section E: Certifications

Please sign at the end of Section E before submitting.

1. **National Environmental Policy Act:** The prospective borrower acknowledges that any project receiving credit assistance under this program must comply with all provisions of the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.) and that EPA will not approve a loan for a project until a final agency determination, such as a Categorical Exclusion (CATEX), Finding of No Significant Impact (FONSI), or a Record of Decision (ROD), has been issued.
2. **American Iron and Steel:** The prospective borrower acknowledges that any project receiving credit assistance under this program for the construction, alteration, maintenance, or repair of a project may only use iron and steel products produced in the United States and must comply with all applicable guidance.
3. **Buy America Preference:** The prospective borrower acknowledges that any project receiving credit assistance under this program for the construction, alteration, maintenance, or repair of a project may only use domestic iron/steel, manufactured products and construction materials produced or manufactured in the United States and must comply with all applicable guidance.
4. **Prevailing Wages:** The prospective borrower acknowledges that all laborers and mechanics employed by contractors or subcontractors on projects receiving credit assistance under this program shall be paid wages at rates not less than those prevailing for the same type of work on similar construction in the immediate locality, as determined by the Secretary of Labor, in accordance with sections 3141-3144, 3146, and 3147 of Title 40 (Davis-Bacon wage rules).
5. **Lobbying:** Section 1352 of Title 31, United States Code provides that none of the funds appropriated by any Act of Congress may be expended by a recipient of a contract, grant, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, or an employee of a Member of Congress in connection with the award or making of a Federal contract, grant, loan, or cooperative agreement or the modification thereof. The EPA interprets this provision to include the use of appropriated funds to influence or attempt to influence the selection for assistance under the WIFIA program.

WIFIA prospective borrowers must file a declaration: (a) with the submission of an application for WIFIA credit assistance; (b) upon receipt of WIFIA credit assistance (unless the information contained in the declaration accompanying the WIFIA application has not materially changed); and (c) at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the information contained in any declaration previously filed in connection with the WIFIA credit assistance.

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.



US Environmental Protection Agency
WIFIA Program
Letter of Interest

OMB Control No. 2040-0292
 EPA Form No. 6100-030
 Approval expires 4/24/2023

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

6. *Debarment:* The undersigned further certifies that it is not currently: 1) debarred or suspended ineligible from participating in any Federal program; 2) formally proposed for debarment, with a final determination still pending; or 3) indicted, convicted, or had a civil judgment rendered against it for any of the offenses listed in the Regulations Governing Debarment and Suspension (Governmentwide Nonprocurement Debarment and Suspension Regulations: 2 C.F.R. Part 180 and Part 1532).
7. *Default/Delinquency:* The undersigned further certifies that neither it nor any of its subsidiaries or affiliates are currently in default or delinquent on any debt or loans provided or guaranteed by the Federal Government.
8. *Other Federal Requirements:* The prospective borrower acknowledges that it must comply with all other federal statutes and regulations, as applicable. A non-exhaustive list of federal cross-cutting statutes and regulations can be found at <https://www.epa.gov/wifia/wifia-federal-compliance-requirements>.
9. *Signature:* By submitting this letter of interest, the undersigned certifies that the facts stated and the certifications and representations made in this letter of interest are true, to the best of the prospective borrower's knowledge and belief after due inquiry, and that the prospective borrower has not omitted any material facts. The undersigned is an authorized representative of the prospective borrower.

Signature: _____

Date Signed: _____

Name:	Mr. Matt	Rector
Title:	City Engineer	
Organization:	City of Hutto	
Street Address:	500 W Live Oak Street	
City/State/Zip:	Hutto	TX 78634
Phone:	(512) 759-4025	
E-mail:	matt.rector@huttotx.gov	



US Environmental Protection Agency
WIFIA Program
Letter of Interest

OMB Control No. 2040-0292
EPA Form No. 6100-030
Approval expires 4/24/2023

Section F: Notification of State Infrastructure Financing Authority

Please sign at the end of Section F before submitting.

By submitting this letter of interest, the undersigned acknowledges that EPA will (1) notify the appropriate State infrastructure financing authority in the State in which the project is located that the prospective borrower submitted this letter of interest; and (2) provide the submitted letter of interest and all source documents to that State infrastructure financing authority.

Prospective borrowers that **do not want their letter of interest and source documents shared with the State infrastructure financing authority** in the state in which the project is located may opt out by initialing here _____.

If a prospective borrower opts out of sharing a letter of interest, EPA will still notify the State infrastructure financing authority within 30 days of receiving a letter of interest.

Signature: _____

Name: Christina Bishop

Date Signed: _____



KEY DEFINITIONS

- (a) *Administrator* means the Administrator of EPA.
- (b) *Credit assistance* means a secured loan or loan guarantee under WIFIA.
- (c) *Eligible project costs* mean amounts, substantially all of which are paid by, or for the account of, an obligor in connection with a project, including the cost of:
 - (1) Development-phase activities, including planning, feasibility analysis (including any related analysis necessary to carry out an eligible project), revenue forecasting, environmental review, permitting, preliminary engineering and design work, and other preconstruction activities;
 - (2) Construction, reconstruction, rehabilitation, and replacement activities;
 - (3) The acquisition of real property or an interest in real property (including water rights, land relating to the project, and improvements to land), environmental mitigation (including acquisitions pursuant to section 33 U.S.C. §3905(7)), construction contingencies, and acquisition of equipment; and
 - (4) Capitalized interest necessary to meet market requirements, reasonably required reserve funds, capital issuance expenses, and other carrying costs during construction.
- (d) *Iron and steel products* means the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.
- (e) *Buy America Preference* means the iron/steel, manufactured products and construction materials used in a project are produced or manufactured in the United States, including:
 - (1) all iron and steel used in a project across all manufacturing processes, from initial melting stage through the application of coatings, occurred in the United States.
 - (2) all manufactured product used in the project are produced in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total components of the manufactured product unless another standard has been established.
 - (3) all manufacturing processes for the construction materials used in a project occurred in the United States. Such as the following construction materials: “non-ferrous metals, plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables), concrete and other aggregates, glass (including optic glass), lumber, and drywall”
- (f) *Project* means:
 - (1) Any project for flood damage reduction, hurricane and storm damage reduction, environmental restoration, coastal or inland harbor navigation improvement, or inland and



intracoastal waterways navigation improvement that the Secretary determines is technically sound, economically justified, and environmentally acceptable, including—

- (A) a project to reduce flood damage;
 - (B) a project to restore aquatic ecosystems;
 - (C) a project to improve the inland and intracoastal waterways navigation system of the United States; and
 - (D) a project to improve navigation of a coastal or inland harbor of the United States, including channel deepening and construction of associated general navigation features.
- (2) 1 or more activities that are eligible for assistance [under section 1383\(c\) of this title](#), notwithstanding the public ownership requirement under paragraph (1) of that subsection.
- (3) 1 or more activities described in section [300j-12\(a\)\(2\) of title 42](#).
- (4) A project for enhanced energy efficiency in the operation of a public water system or a publicly owned treatment works.
- (5) A project for repair, rehabilitation, or replacement of a treatment works, community water system, or aging water distribution or waste collection facility (including a facility that serves a population or community of an Indian reservation).
- (6) A brackish or sea water desalination project, including chloride control, a managed aquifer recharge project, a water recycling project, or a project to provide alternative water supplies to reduce aquifer depletion.
- (7) A project to prevent, reduce, or mitigate the effects of drought, including projects that enhance the resilience of drought-stricken watersheds.
- (8) Acquisition of real property or an interest in real property—
- (A) if the acquisition is integral to a project described in paragraphs (1) through (6); or
 - (B) pursuant to an existing plan that, in the judgment of the Administrator or the Secretary, as applicable, would mitigate the environmental impacts of water resources infrastructure projects otherwise eligible for assistance under this section.
- (9) A combination of projects, each of which is eligible under paragraph (2) or (3), for which a State infrastructure financing authority submits to the Administrator a single application.
- (10) A combination of projects secured by a common security pledge, each of which is eligible under paragraph (1), (2), (3), (4), (5), (6), (7), or (8), for which an eligible entity, or a combination of eligible entities, submits a single application.

(g) *Public entity* means:

- (1) a Federal, State, or local Governmental entity, agency, or instrumentality; or
- (2) a Tribal Government or consortium of Tribal Governments.

(h) *Publicly sponsored* means the obligor can demonstrate, to the satisfaction of the Administrator that it has consulted with the affected State, local or Tribal Government in which the project is located, or is otherwise affected by the project, and that such government supports the proposed project. Support can be shown by a certified letter signed by the approving municipal department or similar agency, mayor or other similar designated authority, local ordinance, or any other means by which local government approval can be evidenced.



-
- (i) *State infrastructure financing authority* means the State entity established or designated by the Governor of a State to receive a capitalization grant provided by, or otherwise carry out the requirements of, title VI of the Federal Water Pollution Control Act (33 U.S.C. 1381 et. seq.) or section 1452 of the Safe Drinking Water Act (42 U.S.C. 300j-12).
 - (j) *Treatment works* has the meaning given the term in section 212 of the Federal Water Pollution Control Act (33 U.S.C. 1292).
 - (k) *WIFIA* means the Water Infrastructure Finance and Innovation Act of 2014, Pub. L. 113-121, 128 Stat, 1332, codified at 33 U.S.C. §§ 3901-3914.



Attachment A: Selection Criteria & Scoring

Project Readiness Criteria	LOI Responses Evaluated
Readiness to proceed	Section A: Q8, Q9 Section B: Q2
Preliminary engineering feasibility analysis	Section A: Q4 Section B: Q1
Borrower Creditworthiness Criteria	LOI Responses Evaluated
Enables project to proceed earlier	Section C: Q15
Financing plan	Section B: Q6
Reduction of Federal assistance	Section C: Q16
Required budget authority	Evaluated as part of the creditworthiness review
Preliminary creditworthiness assessment	Section B: Q3, Q4, Q5 and review of credit documents and credit information provided
Project Impact Criteria	LOI Responses Evaluated
National or regional significance (5 points)	Section C: Q1, Q2, Q3, Q4, Q5
Protection against extreme weather events (25 points)	Section C: Q5, Q6
Serves energy exploration or production areas (5 points)	Section C: Q7
Serves regions with water resource challenges (5 points)	Section C: Q5, Q6, Q8, Q9
Addresses identified priorities (5 points)	Section C: Q9, Q10
Repair, rehabilitation, or replacement (5 points)	Section A: Q4 Section B: Q1
Economically stressed communities (25 points)	Section A: Q13 Evaluated based on national census data related to jurisdiction.
Reduces exposure to lead & emergent contaminants (25 points)	Section C: Q11
New or innovative approaches (25 points)	Section C: Q13, Q14

AGENDA ITEM REPORT

11.8.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-234 authorizing the City Manager to execute an Individual Project Order (IPO) with COBB Fendley & Associates, Inc. in the amount of \$1,021,473.93 for the New Elevated Storage Tank (Cottonwood 2.0 MG EST) project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-199 regarding Rotation List for Utility Engineering professional services with five consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The project includes design and construction for a 2.0 million gallon (MG) elevated, composite (concrete and steel) elevated storage tank, yard piping, grading, access driveway, electrical, and SCADA components. This project is to be constructed on a lot located on Carl Stern Drive, approximately 450 feet northeast of Branson Boulevard.

The purpose of this item is to award an Individual Project Order (IPO) to Cobb Fendley and Associates, Inc. as an approved consultant of the City's selected firms on the Utility Engineering rotation list.

SUMMARY OF REQUEST:

Staff requests the approval of the resolution authorizing the city manager to execute the agreement

STAFF REVIEW:

AGENDA ITEM REPORT

11.8.



FISCAL NOTES:

There is no funding for this project. It is expected that the City will issue 2024 Certificates of Obligation for all unfunded Water and Wastewater projects. This project is included in the FY24 Capital Improvement Plan.

ATTACHMENTS:

1. 20230928 CFA Resolution for New EST v2
2. Exh A Task Orderr_Uilities_Cobb-Fendley_MSA 23-06B.9.12.23_NEW EST_Cotttonwood 2.0
3. Task Order Addendum - Certification and Verification HB 1295No Boycott

RESOLUTION NO. R-2023-234

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN COBB FENDLEY
& ASSOCIATES, INC., AND THE CITY OF HUTTO IN THE
AMOUNT OF \$1,021,473.93 FOR THE COTTONWOOD
ELEVATED STORAGE TANK (EST) PROJECT;
AUTHORIZING THE CITY MANAGER TO EXECUTE THE
TASK ORDER; PROVIDING PROPER NOTICE &
MEETING, AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Cobb Fendley & Associates, Inc., to be included as part of the Utilities rotation list; and

WHEREAS, the City Council desires to execute a task order with Cobb Fendley & Associates, Inc., in the amount of \$1,021,473.93 for services related to the Cottonwood Elevated Storage Tank (EST) Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Cobb Fendley & Associates, Inc. in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Cobb Fendley & Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-006B-001

Proposed UTILITIES ROTATION LIST

In accordance with Agreement for On Demand Services Utilities Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-006B-001: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: COBB, FENDLEY & ASSOCIATES, INC

Specific Project (title): CIP Project No. W-007 Cottonwood 2MG Elevated Storage Tank

- 1) Scope of services for preliminary, design, bid, and construction phase services for the Cottonwood 2.0 MG EST (Project).

The project includes design and construction for a 2.0 million gallon (MG) elevated, composite (concrete and steel) elevated storage tank, yard piping, grading, access driveway, electrical, and SCADA components. This project is to be constructed on a lot located on Carl Stern Drive, approximately 450 feet northeast of Branson Boulevard.

The project will include the following services. Refer to Attachment A for Scope and Fee.

- a. Preliminary Engineering
- b. Survey
- c. Engineering Design
- d. Permitting
- e. Bid Phase Services
- f. Construction Phase Services

2. Fee: NTE \$1,021,473.93

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer

Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-006B-001} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:

Print Name:

Print Name: Julie Hastings, PE

Title: _____ Title: Principal _____

Attachment A
Cottonwood 2.0 MG Elevated Storage Tank (EST)
Design, Bid, and Construction Phase Engineering Services Proposal
September 12, 2023

Cobb, Fendley & Associates Inc. (CobbFendley) is pleased to present the following proposal to the City of Hutto (City) for preliminary, design, bid, and construction phase services for the *Cottonwood 2.0 MG EST* (Project). The project includes design and construction for a 2.0 million gallon (MG) elevated, composite (concrete and steel) elevated storage tank, yard piping, grading, access driveway with parking area, fencing, electrical, and SCADA components. This project is to be constructed on a lot located on Carl Stern Drive, approximately 450 feet northeast of Branson Boulevard.

The project limits are shown in Exhibit A.

Basic Services

The following sections detail the anticipated scope of services for this project.

I. Preliminary Engineering

A. Administrative

1. Project Management. This task consists of efforts associated with project administration, coordination with City Staff, coordination and supervision of the project team, invoicing, and quality management.
2. Preliminary Design Conference. CobbFendley will attend a preliminary conference with the City. This conference will involve review of the scope of the project, discussion of the project location, site plan, tank design, elevations, yard piping, topography, metes and bounds, platting, land acquisition, drainage, tank color, logo(s), and other information pertinent to this project. This proposal assumes 1 month for preliminary engineering phase. CobbFendley will prepare the agenda and record meeting minutes.
3. Site Visit. Conduct a site visit to investigate site conditions, observe and discuss data that will affect the overall design and construction.
4. Preliminary Schematic. CobbFendley will prepare an 11"x17" layout schematic showing the proposed tank location based on the preliminary design conference described in item I.A.2 and findings from the site visit described in item I.A.3.

B. Geotechnical Services. CobbFendley will coordinate with Arias & Associates, Inc. (Arias) for geotechnical engineering services. See proposal from Arias dated September 11, 2023. Geotechnical services are anticipated to be fulfilled approximately 8 to 10 weeks from formal authorization and assuming right of entry is provided.

C. Environmental Services. CobbFendley will coordinate with aci consulting (aci) for environmental services. See proposal from aci consulting dated September 11, 2023.

D. Survey Services.

1. Document Preparation – Sketch/Plat and Metes and Bounds Description

- a. CobbFendley Survey understands the City of Hutto is requesting survey documents necessary for property acquisition associated with the construction of the Cottonwood 2.0 MG EST Project:

- CobbFendley Survey understands the site to be an approximately 200'x200' tract to be defined out of a lot located on Carl Stern Drive, approximately 450 feet northeast of Branson Boulevard.
- b. CobbFendley will prepare one Metes and bounds Description, One Sketch for the site listed above.
- c. The City of Hutto will provide CobbFendley with a CAD file or similar, detailing the location and dimensions of the proposed site.
- d. These documents will be in accordance with the **Texas Society of Professional Surveyors (TSPS), Manual of Practice for Land Surveying in the State of Texas - Category 6, Condition II.**
- e. CobbFendley will monument the corners of the approved site as described by the metes and bounds.
- f. CobbFendley will perform a field survey in accordance with and meeting the requirements of the Texas Society of Professional Surveyors (TSPS), Manual of Practice for Land Surveying in the State of Texas – Category 1B, Condition I and the minimum survey standards promoted by the Texas Board of Professional Engineers and Land Surveyors.
- g. CobbFendley will research public records pertinent to the subject and adjoining tracts.
- h. CobbFendley will order a current Ownership and Easement Report for the subject property.
- i. Sketch/Plat and Metes & bounds description will be signed and sealed by a Texas Registered Professional Land Surveyor.
- j. The following surveyor's certificate will be used on the survey drawing:

THIS IS TO CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND [FILL IN DATES OF ALL FIELD WORK], BY ME OR UNDER MY SUPERVISION, THAT THIS SURVEY PLAT REPRESENTS THE FACTS FOUND AT THE TIME OF THE SURVEY, AND THAT THIS SURVEY SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL LAND SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1B, STANDARD LAND SURVEY.

2. **Topographic Survey**

- a. A field survey will be performed meeting the requirements of a TSPS Category 6, Topographic Land Survey and the minimum survey standards promoted by the Texas Board of Professional Land Surveyors
- b. CobbFendley will perform a topographic survey within the project limits. Elevations will be taken on a 50-foot grid pattern and will include grade breaks, ditches, and flowlines. Where accessible, the topographic survey will extend a minimum of 60-feet outside of the project limits as shown on Attachment 1.
- c. CobbFendley will locate all visible site improvements, including but not limited to utilities, buildings, curb and gutter, pavement, landscaping, and fences within the project limits.
- d. CobbFendley will locate trees eight (8) inches in diameter and greater. A tree list including tag number, size (diameter in inches), and species will be provided with the survey deliverables.
- e. CobbFendley will locate all visible above grade utilities and improvements within the project area. Underground site utilities will not be collected for this survey.

- f. CobbFendley will collect flow line elevation data for all storm and sanitary manholes, drop inlets, and curb inlet lengths and flow lines, and top of nut elevations for all valves within the project area.
- g. CobbFendley will prepare a plat of survey (Topographic Survey Map) reflecting the results of the Topographic and Tree Survey and will be available in electronic form (AutoCAD Civil 3D).
- h. Contours will be shown at one (1) foot intervals.

EXCLUSIONS FROM THE SURVEY SCOPE OF SERVICES

Specific items excluded from this proposal are as follows, and CobbFendley shall have no responsibility to perform any of these services.

- Subdivision Platting. A revised estimate can be provided should those standards be required.
- This survey DOES NOT conform to the ALTA/ACSM Standards. A revised estimate can be provided should those standards be required.
- CobbFendley assumes that one (1) Ownership and Easement Report (title) will be sufficient to cover the subject tract. However, if it is determined that the subject tract is located within multiple parcels, additional reports may be required at an additional fee.
- Permitting fees in addition to the application fee related to potential lane closures or requirements not accounted for hereon.
- Right-of-Entry to be provided by the client.
- Surveyor will not provide opinions as to adequacy, on legal or title issues.
- The survey will not address compliance or assessment of existing utilities, wetland determinations, fault lines and/or environmental assessments that are beyond the surveyor's expertise.
- The survey will not include any references to lease agreements, oil, gas and other mineral rights or matters that are strictly contractual and items which cannot be located upon the subject tract by physical description. Those matters are given constructive notice in a title commitment and must otherwise be addressed by the parties involved and/or addressed by legal counsel.
- Flood elevation certificates.
- Excavation of utilities.
- "Standard traffic control" is performed by CobbFendley and is included in our standard rates. "Standard traffic control" can be described as short-term lane closure necessary for manhole entry or access to utility features located in the roadway. Should 'non-standard' traffic control be required (lane closures, police officer present, arrow board, etc...) these services will be considered extra.
- Any other service not specifically included within the description of the Scope of Services as described above.

II. Design Phase

A. Administrative

1. **Project Management.** This task consists of efforts associated with project administration, coordination with City Staff, coordination and supervision of the project team, monthly progress meetings, invoicing, and quality management. This proposal assumes 12 months for design phase.
2. **Progress/Coordination Meetings.** Unless otherwise noted, this proposal assumes that the meetings in this section will be held virtually.
 - a. **Kick Off.** CobbFendley will conduct a kickoff meeting with the City. Similarly, CobbFendley will conduct a separate kickoff meeting with the design team. CobbFendley will prepare the agenda and record meeting minutes.
 - b. **Design Phase Review Meetings.** CobbFendley will attend design review meetings with the City. The meetings will follow the 30%, 60%, 90%, and 100% design submittals. CobbFendley will prepare the agenda and record meeting minutes. This proposal assumes four (4) meetings.
 - c. **Monthly Coordination.** CobbFendley will attend monthly coordination meetings with the City Project Manager. This proposal assumes 12 months for the design phase. CobbFendley will prepare the agenda and record meeting minutes.
 - d. **Internal Coordination.** CobbFendley will conduct internal coordination meetings with the project team as required to advance the development of the project. This proposal assumes weekly meetings for the duration of the design phase.
3. **Project Schedule.** CobbFendley will develop and maintain a critical path project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables. CobbFendley will include the most current schedule as part of the Progress Reports to the City as described in Item II.A.1.

B. Plan, Specifications, and Estimate (PS&E)

1. **Plans.** CobbFendley will prepare the construction plans for the project. The plans will be prepared per the current City of Hutto standards and format. This proposal assumes that all plan sheets will be 11"X17". The following list details the different components of the plans that will be included for each submittal.
 - a. **Cover and Index Sheets.** CobbFendley will prepare a cover and index sheet for the 30%, 60%, 90%, and 100% design plans.
 - b. **General Notes Sheets.** CobbFendley will prepare sheets containing pertinent general notes for the 60%, 90%, and 100% design plans. This proposal assumes that City of Hutto general notes will be utilized for this project.
 - c. **Location, Soil Boring, and Staking Plan.** CobbFendley will prepare a sheet showing the site location with soil borings and survey control points identified. This sheet will be included in the 30%, 60%, 90%, and 100% design plans. The 30% submittal will include only the site location, while subsequent submittals will include soil borings and control points. The sheet will be 1"=20' scale. Soil borings will be performed by Arias.
 - d. **Site Plan.** CobbFendley will prepare a site plan sheet showing an overview of the elevated storage tank, access driveway, fencing, and other relevant information. This sheet will be included in the 30%, 60%, 90%, and 100% design plans. The sheet will be 1"=20' scale.

- e. Erosion and Sedimentation Control Plan. CobbFendley will prepare a sheet showing erosion and sedimentation controls of the site for the 60%, 90%, and 100% design plans. The sheet will be 1"=20' scale.
- f. Drainage - Hydrologic. CobbFendley will prepare an existing drainage area map, a proposed drainage area map, and provide hydrologic calculations in accordance with the City of Round Rock Drainage Criteria Manual, per City of Hutto design criteria. This effort is anticipated to be included in the 60%, 90%, and 100% design plans. An appropriate scale will be determined during design.
- g. Drainage – Hydraulic. CobbFendley will provide hydraulic calculations in accordance with the City of Round Rock Drainage Criteria Manual, per City of Hutto design criteria, and prepare a channel or swale design for water discharged via the tank overflow splash pad, as well as a culvert design for the access driveway at Carl Stern Drive to facilitate drainage within the ROW and maintain existing drainage conditions. This effort is anticipated to be included in the 60%, 90%, and 100% design plans. An appropriate scale will be determined during design.
- h. Grading Plan. CobbFendley will prepare a sheet showing site plan grading for the 60%, 90%, and 100% design plans. The sheet will be 1"=20' scale.
- i. Access Driveway Plan and Profile. CobbFendley will prepare a sheet showing paving for the access driveway from Carl Stern Drive to the elevated storage tank for the 30%, 60%, 90%, and 100% design plans. Plan view will be provided at the 30% submittal, and profile will be incorporated in subsequent submittals. The access drive will be based on the pavement design provided by arias. The sheet will be 1"=20' scale.
- j. Yard Piping Plan. CobbFendley will prepare a sheet showing the layout for yard piping from the tank to the right-of-way line for the 30%, 60%, 90%, and 100% design plans. This proposal assumes the yard piping will be 24-inch in diameter and will end at the fence/ROW line to be connected to the County Road 132 South Water Line project by others. The sheet will be 1"=20' scale.
- k. Fencing Plan. CobbFendley will prepare a sheet showing the layout for proposed security fencing for the site for the 30%, 60%, 90%, and 100% design plans. The sheet will be 1"=20' scale.
- l. Elevated Storage Tank Plan. CobbFendley will prepare a sheet showing plan view details of facilities within and associated with the pedestal of the tank for the 60%, 90% and 100% design plans. An appropriate scale will be determined during design.
- m. Composite Column Elevated Storage Tank Illustrative Section. CobbFendley will include a sheet showing the illustrative section of the proposed composite tank for the 60%, 90% and 100% design plans. This sheet will not be to scale.
- n. Elevated Storage Tank Elevation, Sections and Details. CobbFendley will include special details for the elevated storage tank for the 60%, 90%, and 100% design plans. This proposal assumes two (2) sheets.
- o. Electrical and SCADA Design, Plans, and Details. See proposal from Burrer Engineering dated September 11, 2023.
- p. Civil Standard Details. CobbFendley will include standard detail sheets. City of Hutto standard details will be used. If City of Hutto details are not available, City of Georgetown standard details will be used. Where these details are unavailable, special details will be drafted. This proposal assumes five (5) sheets.

- q. Mechanical Standard Details. CobbFendley will include special mechanical standard details as required. This proposal assumes three (3) sheets.
2. Specifications and Project Manual. CobbFendley will prepare a project manual including the following: front-end documents, technical specifications, special provisions, and special specifications as required. This proposal assumes that the City will provide the necessary front-end documents to be used for bidding. The 60% submittal will include a table of contents, standard specifications, special provisions, and special specifications only. The 90% and 100% submittals will also include the front-end documents. This proposal assumes that the most recent City of Hutto and City of Georgetown specifications, as available and relevant, will be used for the project.
3. Quantity Take-off and Estimate. CobbFendley will prepare a quantity take-off and cost estimate for the 30%, 60%, 90%, and 100% submittals. CobbFendley will utilize historical bid prices including recent running average bid prices from the City of Hutto, City of Georgetown, and City of Austin.
4. QA/QC. CobbFendley will conduct quality reviews of each submittal item prior to the 30%, 60%, 90%, and 100% submittals.
5. Submittal Packages to the City. CobbFendley will prepare and submit plans (11"x17"), specifications, and cost estimates for the 30%, 60%, 90%, and 100% submittals. CobbFendley will provide electronic copies in PDF format. For each submittal, CobbFendley will prepare a "Comment Response" document which contains a response to each comment from the previous submittal.
6. City of Hutto Permitting. CobbFendley will coordinate with the City of Hutto to obtain site plan approval once the final plat of the site has been approved by the Planning and Zoning Commission. CobbFendley will begin coordination at the 60% design phase.
 - a. Permit Fees. CobbFendley will be responsible for paying the permit fees as a reimbursable amount from the City. This proposal assumes an expected Site Plan Permit fee using the current City fee schedule at the time of permit submittal. This proposal estimates \$1,200.00 for the initial Site Plan Review fee required for the project and \$300.00 for a Site Plan Revision fee. Should additional permits not listed be required and/or the actual permit fees exceed the estimated amounts in this proposal, the additional needed amount will be added as a modification to this proposal.
 - b. Preliminary and Final Plat. CobbFendley will prepare the preliminary and final plat and coordinate with the City on approvals.
 - c. Site Plan Application. CobbFendley will prepare the Site Plan Permit Application and coordinate with the City of Hutto for site plan approval. This includes one (1) set of 24"x36" full-size plans.
7. Submittals to the TCEQ. CobbFendley will submit drawings, specifications, reports, and data to TCEQ as required at 60%, 90%, and 100% design submittals.
8. Submittals to the Federal Aviation Administration (FAA). This proposal assumes the proposed elevated storage tank may exceed 200-feet in height, resulting in review by the FAA. CobbFendley will submit tank drawings and other required data to the FAA for review at the 60% and 90% design submittals and for approval at the 100% design submittal. This proposal assumes there is no fee associated with the FAA review process, if it is deemed necessary. Should a review fee be necessary, the additional needed amount will be added as a modification to this proposal.

EXCLUSIONS FROM THE ENGINEERING SCOPE OF SERVICES

The services listed below are not included in this proposal. Should the City decide to include these services in the scope of this project, additional fee negotiation between the City and CobbFendley will be needed.

- Subsurface Utility Engineering (SUE). This proposal assumes SUE services will not be needed.
- Utility Coordination. This proposal assumes utility coordination will not be needed.
- Right-of-way (ROW) services. This proposal assumes property acquisition will be provided by the City and as such, ROW services will not be needed. This also means right-of-entry necessary for survey prior to acquisition of the property will be provided by the City.
- This proposal assumes this project will not involve the design of a pump station with tankage for ground storage of potable water.
- This proposal assumes this project will not involve the design of water main outside of the project site limits. Yard piping proposed on this project will end at the fence line.
- Stormwater Pollution Prevention Plan (SWPPP). This proposal assumes a SWPPP will not be needed. Ventilation. This proposal assumes specialized ventilation will not be required for the tank.

PHASE II – BID AND CONSTRUCTION ADMINISTRATION

III. Bid and Construction Administration

A. Bid Phase Services

1. Project Management during Bid Phase. CobbFendley will provide project management during the bid phase of the project. Assume 3 months for bid phase.
2. Advertisement. The City will prepare the advertisement, coordinate with the newspaper(s) and other media, and pay any applicable fees associated. CobbFendley will assist with providing the project scope language for use in the advertisement and other plan documentation as needed.
3. Pre-Bid Conference. CobbFendley will assist the City in conducting a pre-bid conference with the City and interested bidders. CobbFendley will prepare and submit meeting minutes.
4. Addenda. CobbFendley will prepare addenda resulting from clarifications to questions from interested bidders. This proposal assumes up to two (2) addenda. The City will distribute all addenda.
5. Bid Opening, Tabulation and Letter of Recommendation. CobbFendley will attend the bid opening, prepare bid tabulation sheets, evaluate the bid tabs from bidders, and assist the City in reviewing references. CobbFendley will prepare a Letter of Recommendation to the City. This proposal assumes the project will be awarded to the qualified lowest bidder and will not be a competitive sealed proposal process requiring review of qualifications packages.

This proposal assumes that a bidding assistance center or electronic bidding will be used for the bid phase and the City will be responsible for uploading plans, project manual, addenda, and other bid documents to the bidding assistance center. CobbFendley will not be responsible for plan distribution.

B. Construction Administration Services

1. Project Management During Construction Administration Phase. CobbFendley project management during the construction phase of the project. Assume 12 months for construction phase.
2. Conformed Documents. Upon completion of the bid process and execution of the contract, CobbFendley will prepare a set of conformed documents integrating changes made by addenda during the bid process and inserting the bid documents. CobbFendley will provide both hard copies (three copies of each document) and electric copies of the conformed documents to the City.
3. Contract Documents. CobbFendley will assist the City in the preparation of formal contract documents.
4. Pre-Construction Conference. CobbFendley will participate in a pre-construction conference at the project site prior to commencement of the work. CobbFendley will prepare and submit meeting minutes.
5. Contractor Schedules. CobbFendley will assist the City in receiving, reviewing, and determining the acceptability of schedules that the contractor is required to submit to CobbFendley. This includes Progress Schedules, Schedule of Submittals, and Schedule of Values.

6. Site Visits. CobbFendley will attend monthly construction/progress meetings on site to observe the progress and quality of the executed work and to determine, in general, if the work is proceeding in accordance with the Contract Documents and matches regular payment requests. In performing these services, CobbFendley shall not be held responsible for the performance of the contractor, nor be held responsible for the actual supervision of construction operations. CobbFendley will prepare and submit a construction site observation report to the City for each site visit. This proposal assumes 12 site visits.
7. Progress Meetings. CobbFendley will attend status meetings with the City and the contractor for the duration of the construction. CobbFendley will prepare agenda and minutes for these meetings. This proposal assumes 12 progress meetings.
8. Change Orders. CobbFendley will assist the City in reviewing change order documentation provided by the contractor and provide feedback based on conformance with plans and specifications. This proposal assumes five (5) change orders.
9. Requests for Information (RFIs). CobbFendley will respond to Contractor requests for information. CobbFendley will issue drawing revisions as required. Drawing revisions resulting from change of scope of project will be prepared as an additional service. This proposal assumes 20 RFIs
10. Contractor Submittals. CobbFendley will review contractor submittals. This proposal assumes that the contractor's submittals will be in accordance with the contract documents, and that the contract documents will include the provision that submittals will only be reviewed twice. Subsequent reviews will be conducted at the expense of the Contractor. This proposal assumes 80 contractor submittals. CobbFendley will maintain the submittal log.
11. Pay Applications. CobbFendley will assist the City in obtaining and reviewing monthly and final estimates for payments to contractors and furnish to the City recommended payments to contractors and suppliers based on input from City's on-site construction inspector. This proposal assumes 12 pay applications.
12. Final Walkthroughs. CobbFendley will conduct, in company with the City, a substantial completion inspection and a final inspection of the Project for compliance with the Contract Documents, and submit recommendations concerning project status, as it may affect the City's final payment to the contractors. CobbFendley will review the final punch list prepared by the City inspector.
13. Close Out. CobbFendley will assist the City with project closeout documentation including the Engineer's Concurrence Letter, affidavit of all bills paid, Consent of Sureties for Release of Liability, and final pay application review.
14. Record Drawings. CobbFendley will prepare record drawings based on contractor and/or City redlines as verified by the City inspector and deliver .dwg and .pdf documents to the City.
15. Electrical and SCADA Bid and Construction Administration.
16. Review of Structural Calculations. CobbFendley will review structural calculations to be provided by the elevated storage tank manufacturer.

REIMBURSABLES / REPRODUCTIONS

Reproduction of documents, shipping and mailing expenses, travel expenses such as mileage for automobile travel, and any other disbursements, application fees, etc., made on behalf of the Client, shall be invoiced and reimbursed as described in the Master Services Agreement.

EXCLUSIONS FROM THE BID AND CONSTRUCTION ADMINISTRATION SCOPE OF SERVICES

The services listed below are not included in this proposal. Should the City decide to include these services in the scope of this project, additional fee negotiation between the City and CobbFendley will be needed.

- Geotechnical Construction Administration. Construction Material Testing is not included in this proposal.
- Construction Inspection. On site representative or construction inspection services are not included in this proposal.

Proposed Fee

We propose to perform the services listed above for a lump sum fee of \$1,021,473.93 Exhibit C shows the detailed fee breakdown.

Fee Summary	
PRELIMINARY ENGINEERING	\$86,212.80
DESIGN PHASE	\$553,848.63
BID AND CONSTRUCTION PHASE	\$378,610.50
TOTAL	\$1,021,473.93

EXHIBIT A

Project Location

Cottonwood 2.0 MG EST

Approximate Site Location

Legend

 Cottonwood EST [Approx]



EXHIBIT B

Subconsultant Proposals



Contract Proposal

05-23-118

Date

11 Sep 2023

Proposal For

Project Title

Julie Hastings
Cobb, Fendley & Associates, Inc.
505 E. Huntland Drive
Suite 485
Austin, Texas 78752

Hutto Cottonwood EST

Project Description

aci consulting, a division of aci group, LLC is pleased to provide the following scope of services for the City of Hutto Cottonwood Elevated Storage Tank (EST) in Williamson County, Texas.

Scope of Services

aci consulting will execute the following tasks under this scope of work. The tasks are mutually dependent and scoped accordingly. This scope is based on the on the funding source and sponsor as a public entity. This scope is based upon the project area provided by the Client.

This scope is valid for 90 days.

Task 1: Environmental Constraints Report

aci consulting will prepare an environmental constraints report to present the results of the desktop and field reconnaissance review of the project area. The findings from Tasks 2 through 6 will be incorporated into this report. This task includes one round of comments from the project team. Following the comment response, a finalized digital copy (PDF format) of the report will be submitted to the Client.

Task 2: Jurisdictional Waters Assessment

aci consulting will conduct a jurisdictional waters of the U.S. assessment for the project area. The purpose of this assessment is to identify the location and extent of potential waters of the U.S. in accordance with Section 404 of the Clean Water Act (CWA). aci consulting will perform an analysis of the most recently available aerial photographs and topographic maps, as well as conduct appropriate field work necessary to identify the location and extent of U.S. Army Corps of Engineers (USACE) jurisdictional waters and potential wetlands within the tract.

This task includes a findings report and call with the client to discuss the findings. This determination will be based on the current USACE and EPA guidance on jurisdictional waters as of the date of this report. The findings of Task 2 will be incorporated into the Environmental Constraints Report (Task 1).

Task 3: Ordinary Highwater Mark (OHWM) Field Delineation

aci consulting will conduct a field visit to delineate the OHWM within the alignment. The work will include marking the OHWM with pin flags (deliverable) for later survey to be incorporated into the engineers site plan.

Task 4: Threatened and Endangered Species Habitat Assessment

aci consulting will conduct the habitat assessment for all federally listed species and candidates for listing under the Endangered Species Act (ESA) that may occur within the project area. A visual inspection of habitat within the alignment will be conducted. Task 4 includes incorporating the findings into the Environmental Constraints Report (Task 1).

This task does not include any ESA permitting or coordination with federal agencies. Should any ESA permitting or coordination with federal agencies be required, those activities will be conducted under a separate task.

Task 5: Hazardous Materials Review

aci consulting will conduct a hazardous materials review for the alignment by completing an American Society for Testing and Materials (ASTM) standard environmental background search. This examination of the proposed environmental setting for the project area will not include the ASTM 1527-21 level of review; however the findings will be incorporated into the Environmental Constraints Report (Task 1).

Task 6: Cultural Resources Desktop Assessment

A qualified archeologist will perform a review of records from the Texas Research Laboratory (TARL) available on the Texas Historical Commission's (THC) online Texas Archeological Sites Atlas (Atlas) to identify previously recorded surveys or cultural resources within the alignment and within a 1-km radius. An archeologist will also review historical maps, aerial photographs, topographic maps, soil survey maps, the TxDOT Austin District Hybrid Potential Archeological Liability Map (HPALM), and geological maps. The desktop research will be developed into a memorandum summarizing the results of the background archival research.

This task does not include a cultural resources survey. If a cultural resources survey is required, the work will be submitted and completed under a new scope. This desktop review will include recommendations regarding additional cultural resources investigations, if warranted. Task 6 includes incorporating the findings into the Environmental Constraints Report (Task 1).

Task 7: Project Management

This scope includes two meetings with the client, project engineer and other project team members. Management includes 60 days of email and phone conversations as well as coordinating meetings regarding the environmental findings and general strategies for project development.

This scope does not include the following:

- Cultural Resources survey of the project area that may be required after the desktop assessment;
- TxDOT or NEPA level of environmental review - including project scope, environmental justice studies, noise analysis, air analysis, direct, indirect, or cumulative impact studies;
- ROE acquisition, organization, and coordination;
- Coordination for easements on federal or state owned/controlled lands;
- Full Phase I Environmental Site Assessments for the project area;
- Section 404 permitting (if necessary);
- Section 7 Consultation with USFWS for impacts to federally-listed species (if necessary); and
- Presence/absence surveys for federally-listed species.

Fee and Structure		
Task 1: Environmental Constraints Report	Fixed Fee	2,750.00
Task 2: Jurisdictional Waters Assessment	Fixed Fee	1,250.00
Task 3: OHWM Flagging	Fixed Fee	500.00
Task 4: T&E Species Habitat Assessment	Fixed Fee	1,250.00
Task 5: Hazardous Materials Review	Fixed Fee	1,500.00
Task 6: Cultural Resources Desktop Assessment	Fixed Fee	1,500.00
Task 7: Project Management	Fixed Fee	500.00
		\$ 9,250.00



13581 Pond Springs Road, Suite 210, Austin, Texas 78729 • Phone: (512) 428-5550 • Fax: (512) 428-5525

September 11, 2023
Arias Project No. 2023-722

VIA Email: KVanHoosier@cobbhendley.com

Kristen Van Hoosier, P.E.
Team Lead, Associate
CobbFendley
505 E. Huntland Drive, Suite 100
Austin, Texas 78752

RE: Proposal for Geotechnical Engineering Services
City of Hutto Cottonwood EST
Hutto, Texas

Dear Ms. Hoosier:

Arias & Associates, Inc. (Arias) is pleased to provide this proposal for geotechnical engineering services for the above-referenced project. Our understanding of the project is based on the information provided by you in the email dated September 8, 2023. The following sections present our understanding of the project, proposed scope of services, fee compensation requirements, and schedule.

Project Information

The project consists of design and construction of a 2.0 MG elevated storage tank and associated driveway access road. The site is located at the southeast quadrant of Carl Stern Dr and Branson Blvd in Hutto, Texas. The diameter (at top) of the elevated storage tank will be approximately 87-100 feet. The tank will be supported by a pedestal structure which will be approximately 46-54 feet in diameter. Based on the aerial images, the proposed site is moderately vegetated. The structural load and grading plan were not available during the preparation of this proposal.

If any of the above information is not correct, we should be notified immediately in order to revise our proposal and the depth of the planned borings as necessary.

Proposed Investigation

Based on published geologic and nearby project experience, the site is mapped as being underlain by Navarro and Taylor Groups undivided (Knt). Based on our understanding of the project and requested subsurface investigation, the drilling scope is presented in the following table.

Borings	Boring depth, ft	No. of Borings	Footage
Driveway Access Road	10	2	20
Elevated Groundwater Storage Tank	85	1	85
	55	4	220
Total Drilling Footage			325

The borings will be drilled using a truck-mounted rig in areas clear of brush, heavy vegetation, and underground and overhead utilities. Arias personnel will mark the boring locations and will notify Texas One-Call at 72 hours prior to drilling. It is important to mention that the Texas One-Call system only clears public utilities. Arias requests Cobb Fendley to provide maps of existing private utilities prior to our site mobilization. Arias will not be responsible for damaged private utilities not informed to us.

The borings will be advanced using augering and sampling techniques. Arias personnel will locate the borings, direct the sampling efforts, and visually classify recovered samples. Soils will be sampled by either pushing a thin-walled tube (ASTM D1587) of cohesive soils, or split barrel sampler while performing the Standard Penetration Test (ASTM D1586) for cohesionless (sandy) soils. Continuous core sampling of the rock stratum (ASTM D2113) will be performed where competent shale or chalk is encountered.

Arias personnel will locate the borings, direct sampling efforts, visually classify recovered samples, and be present during drilling. If groundwater is encountered, the groundwater levels within the open borehole will be recorded at the time of drilling and immediately following drilling. The boreholes will be backfilled with a mixture of cuttings generated by drilling operations and bentonite pellets after completion of drilling. Excess soil cuttings will be dispersed in the area adjacent to the borings. No other site restoration measures, in addition to backfilling the boreholes, are included in this proposal.

Laboratory testing will be performed on recovered samples selected by the geotechnical engineer to aid in soil classification and to measure engineering properties. Laboratory testing is expected to include moisture content, Atterberg limits, fines content (percent passing the No. 200 sieve), unconfined compression strength testing, controlled pressure swell, and corrosion testing. The actual laboratory program will depend upon the type of soils encountered.

Reporting

We will issue electronic copies of the Geotechnical Data Report (GDR) and Geotechnical Design Memorandum (GDM) prepared by a licensed professional engineer in the State of Texas. Specifically, the reports will include the following:

Geotechnical Data Report (GDR):

- Description of the field exploration program;
- Description of the laboratory testing program and results;
- Photographs of the soil samples recovered;
- Soil boring plan that depicts borehole locations on a base map provided by Client;
- Profiles of soil borings along the alignment using plan and profile design information provided by

others;

- Soil boring logs with soil classifications based on the Unified Soil Classification System (ASTM D 2487);
- Generalized site stratigraphy and engineering properties developed from field and laboratory data at the explored locations; and
- Depth where groundwater, if encountered, at the time of drilling and immediately after drilling.

Geotechnical Design Memorandum (GDM): The Geotechnical Design Memorandum will provide the following geotechnical recommendations.

- Site Class Determination based on the 2015 IBC;
- Site preparation recommendations and construction considerations to aid in mitigating expansive soils to help reduce the design PVR to 1" during and after construction;
- Foundation recommendations including allowable bearing pressure and bearing elevation with associated potential vertical movements;
- Geotechnical design criteria for ring foundations;
- Requirements for site fill, construction backfill, and for support of the proposed structures;
- Rigid and flexible pavement recommendations for the proposed pavements based on the traffic information provided by the client; and
- General earthwork and construction recommendations.

Arias will provide a draft version of each report for review, comment, and requests for clarification, which will then be addressed in the final GDR and GDM reports.

Please be advised that Arias & Associates, Inc. performs Construction Materials Engineering and Testing (CoMET) per project requirements. We will be pleased to provide a separate proposal for construction materials testing at your request.

Proposed Fee

We propose that the fee to perform the above outline preliminary scope of services on a lump sum basis not to exceed (NTE) **\$41,342.00**. A Geotechnical Cost Breakdown is presented in the attached Exhibit A. Please note that for invoicing purposes the estimated quantities in the Geotechnical Cost Breakdown may vary (increase or decrease), depending on the actual level of effort needed to perform each item, but the NTE amount will remain the same (**\$41,342.00**).

Should it be necessary to expand our services beyond those outlined in this proposal, we will notify the PM, send a supplemental proposal stating the additional services and fee, and will not proceed without written authorization. We will invoice only for the authorized services.

We will invoice for work completed on a monthly basis. This proposal is based on the following assumptions about site access:

- Boring locations will be clear and accessible to our truck-mounted drilling equipment. No

clearing of vegetation (nor the corresponding permits and fees), trees, brush or debris is included in this proposal;

- The ground at the time of the field investigation should be dry and strong enough to support the weight of the drilling vehicles. Otherwise, the client will be informed about the need to utilize an all-terrain vehicle to access boring locations;
- We will be provided with maps of existing known utilities, and we will notify Texas 811 at least 72 hours prior to drilling;
- Right of Entry (ROE) to access the boring locations will be obtained by others prior to our mobilization;
- No permit is required for drilling operation; and
- Drilling will commence during normal daytime working hours (8 am to 5 pm, Monday to Friday). If drilling hour limitations increase the number of days required for our field investigation, or if after hours or weekend drilling is required, we will need to discuss adjustments to our proposed fee.

Schedule

Upon receiving written authorization, and weather and site conditions permitting, we can perform our field investigation within 2 to 3 weeks. Drilling of the boreholes will take 3 days. Laboratory testing and reporting will take another 2 to 3 weeks. We will submit a final written report within 8 to 10 weeks of formal authorization. We will keep you verbally informed of our findings as they become available.

Delays sometime occur due to adverse weather, utility clearance requirements, site clearing requirements for drill rig access, obtaining drilling permits, obtaining Right of Entries and other factors outside of our control. In this event, we will communicate the nature of the delay with you and provide a revised schedule at the earliest possible date.

Proposal Acceptance

We understand that proposal authorization and contract terms will be established per Cobb Fendley's Subcontract for Professional Services. We will begin work upon receipt of a signed copy of the subcontract. Please attach this proposal to the subcontract and email it to asioutis@ariasinc.com.

Should you have any questions, please do not hesitate to contact Alexandros Sioutis, E.I.T at (512) 656-2390. We appreciate the opportunity provided and look forward to becoming an integral part of the Project Team.

Sincerely,

ARIAS & ASSOCIATES, INC.

TBPE Registration No: F-32



Alexandros Sioutis, EIT
Geotechnical Engineer



John S Landwormeyer, P.E.
Managing Principal Austin Operations

Attachments:

Exhibit A – Geotechnical Cost Breakdown



Exhibit A - Geotechnical Cost Estimate
City of Hutto Cottonwood EST
Hutto, Texas

Task	Item Description	Est. Qty.	Unit	Unit Price	Est. Total Price
1 Field Exploration					
1.1 Planning and Coordination					
	Engineer in Training (Staking of Borings, One-Call, Drilling Plan)	12	hr	\$ 120.00	\$ 1,440.00
	Engineering Technician (Staking Borings)	8	hr	\$ 75.00	\$ 600.00
	Trip Charge	2	ea	\$ 55.00	\$ 110.00
	Senior Geotechnical Engineer	8	hr	\$ 175.00	\$ 1,400.00
	Principal Engineer	4	hr	\$ 210.00	\$ 840.00
				1.1 Subtotal	\$ 4,390.00
1.2 Drilling and Sampling					
	Mobilization (drill rig, support equipment - daytime drilling)	1	ea	\$ 550.00	\$ 550.00
	Air Compressor	3	ea	\$ 200.00	\$ 600.00
	Support Truck (Water Truck)	3	ea	\$ 150.00	\$ 450.00
	Drilling and Sampling (Soil)	295	ft	\$ 26.00	\$ 7,670.00
	Rock Coring	30	ft	\$ 32.00	\$ 960.00
	Backfill boreholes	325	ft	\$ 8.00	\$ 2,600.00
	Drill Logger	30	hr	\$ 75.00	\$ 2,250.00
	Trip Charge - Logger	3	ea	\$ 55.00	\$ 165.00
				1.2 Subtotal	\$ 16,347.00
				Field Exploration TOTAL:	\$ 20,737.00
2 Laboratory Soil Testing					
	Moisture Content	35	ea	\$ 15.00	\$ 525.00
	Atterberg Limits	20	ea	\$ 75.00	\$ 1,500.00
	Particle Gradation, Including No. 200 sieve	20	ea	\$ 75.00	\$ 1,500.00
	Unconfined Compressive Strength (rock or soil)	6	ea	\$ 65.00	\$ 390.00
	Swell Test	2	ea	\$ 200.00	\$ 400.00
	Soiluble Sulfate	1	ea	\$ 80.00	\$ 80.00
	Soil pH	1	ea	\$ 65.00	\$ 65.00
	Triaxial Unconsolidated - Undrained	3	ea	\$ 120.00	\$ 360.00
	Engineer in Training	4	hr	\$ 120.00	\$ 480.00
				Laboratory Testing TOTAL:	\$ 5,300.00
3 Engineering and Reporting					
3.1 Geotechnical Data Report (GDR)					
	Principal Engineer	6	hr	\$ 210.00	\$ 1,260.00
	Senior Geotechnical Engineer	12	hr	\$ 175.00	\$ 2,100.00
	Engineer in Training	18	hr	\$ 120.00	\$ 2,160.00
	Data Processing	10	hr	\$ 65.00	\$ 650.00
				3.1 Subtotal	\$ 6,170.00
3.2 Geotechnical Design Memorandum (GDM)					
	Principal Engineer	10	hr	\$ 210.00	\$ 2,100.00
	Senior Geotechnical Engineer	25	hr	\$ 175.00	\$ 4,375.00
	Engineer in Training	20	hr	\$ 120.00	\$ 2,400.00
	Data Processing	4	hr	\$ 65.00	\$ 260.00
				3.2 Subtotal	\$ 9,135.00
				Engineering TOTAL:	\$ 15,305.00
Project Total					\$ 41,342.00



September 12, 2023

Kristen Van Hoosier, PE
Team Lead; Associate
Cobb Fendley & Associates
505 E. Huntland Drive, Suite 100
Austin, Texas 78752

RE: Electrical Engineering Scope of Work and Fee Proposal for
City of Hutto Cottonwood 2.0 MGD EST Electrical & SCADA Project
Basic Engineering Services – Rev. 0
BEI Proposal #209-2302

Dear Mrs. Van Hoosier:

It is our pleasure to present this proposal for Engineering Services for the project listed above. Our scope of work is based on data and guidance furnished by Cobb Fendley Austin (CFA-A) and our previous knowledge of similar projects. Burrer Engineering, Inc. (BEI) has assumed this scope of work defines all project requirements that can be reasonably inferred from the information currently available.

APPROXIMATE PROJECT LOCATION

30.530445, -97.528945
Hutto, TX 78634

PROJECT OVERVIEW

The project scope of work is to provide Engineering Services for electrical power, instrumentation, controls, and SCADA system for a proposed 2-Million Elevated Storage Tank for the City of Hutto. It is understood our scope of work shall include Complete SCADA relay system design, area lighting, chemical dosing system, provisions for third party use of elevated tank, and potential pumping system.

A supplemental design task shall be designated for additional lighting on tank with specific vendor requirements upon written notice to proceed.

GENERAL SCOPE OF ENGINEERING SERVICES

BEI will provide design documents required for installation of a new electrical service entrance, electrical rack with associated breakers and equipment, SCADA control panel, terminal boxes, area lighting, chemical dosing system, pumps, sleeves for future tank leasing conduit/cabling, and all interconnecting wiring for a complete, functional system. Our services include development of plans and specifications required for construction of the project, and are comprised of the following:

- A. Electrical Utility Coordination
 - 1. BEI will coordinate with the local utility provider to provide electrical service to the new site.
- B. Elevated Storage Tank Controls
 - 1. BEI will indicate installation and routing of new ductbanks, conductors, and equipment required for required pumps, low-voltage panel, SCADA panel, altitude valve, area lights, and required dosing equipment.
 - 2. Starters will be SSRV type for motors over 40 HP and FVNR type for motors under 40 HP.
 - 3. All alarms will be routed to a local autodialer.
- C. Task “B” – Additional Tank Lighting System – Upon Written Notice to Proceed
 - 1. Design for a potential custom lighting system based on vendor/owner input.
 - 2. BEI will increase the size of the base electrical system size based on vendor provided lighting load into the base design.
 - 3. All required coordination with vendor, civil engineer, and city.

DESIGN PHASE SERVICE INCLUSIONS

The following design phase services are included as part of our scope of the project:

- D. Cost Estimating
 - 1. Our scope includes development of a basic cost estimate for the design scope. Detailed take-offs or breakdowns are not included in the basic cost estimate.
- E. Utility Company Plan and Load Analysis Submittal
 - 1. Exhibits, Drawings, and/or Other Submittals required for coordination with the local Utility company will be extracted from the design package and submitted at no additional cost.

F. Design Coordination

1. Any design coordination required between design team members will be provided in electronic format.

DESIGN PHASE DELIVERABLES

- A. Preliminary construction drawings and specifications shall be submitted to your office at the 60% and 90% interim review milestone; and one (1) set of final signed and sealed construction drawings and technical specifications upon completion.
- B. Plans will be on backgrounds provided by your office in AutoCAD format.
- C. Specifications will follow the format provided by your office (where applicable).
- D. All design submittal documents will be provided in electronic format (PDF).

BID PHASE SERVICES

- A. Provide written responses to technical questions (RFIs).
- B. Develop addenda and/or clarifying documents as requested.
- C. Coordination with owner
- D. Evaluating Bids

CONSTRUCTION PHASE SERVICES

Construction Phase Services will be performed relative to all Design Phase Services scope items described above. General construction Phase Services will include:

- A. Submittal/RFI Review
 1. Review of all electrical shop drawings and other specification-required submittals provided by the contractor. BEI preference is electronic format submittals- with responses being returned by email.
 2. Respond to all received RFI's. Responses will be provided electronically.
- B. Construction Inspections
 1. One (1) interim/pre-final inspection will be performed to observe the contractor's progress during construction. BEI will issue a punch list of any noted deficiencies for correction prior to completion of the project.
 2. One (1) final inspection of the electrical installation will be performed to confirm general compliance with construction documents. A detailed punch list of deficient items will be submitted for inclusion with the contract close-out documents.

C. Record Drawings

1. Record drawings submitted by the contractor will be reviewed for accuracy and completeness based upon our site inspection. Updates to the original drawings will be made and reissued with TBPE-recommended 'Record Drawing' stamp in lieu of PE seal.

OVERALL PROJECT SERVICES

A. Quality Assurance / Quality Control

1. Quality control is an inherent part of engineering design, and we will perform continuous quality control measures to ensure the project deliverables meet all design objectives, are compliant with Codes and Standards, as well as verifying accuracy of design calculations.

B. Project Management Services

1. Project management services are included to support the above referenced design, including project coordination and design review meetings, monthly reporting requirements, invoicing, and design standard implementation.

PROJECT SCHEDULE ASSUMPTIONS

Please notify our office, a minimum of, two (2) business days prior to any scheduled milestone, meeting, or inspection so we may adequately plan our activities.

EXCLUSIONS

Additional Work: Any items not specifically referred to within this scope of work are not currently included in our proposal but may be added through future negotiation. Engineering work that exceeds the "Scope of Services" described will be performed on an hourly basis as requested or as approved in writing. Items such as the following, but not limited too, are specifically excluded:

- Detailed Material Take-off and cost estimating
- Civil / Structural Engineering
- Permit and Plan Review Fees
- Additional Analysis, i.e. Fault Current, Load Flow, or Arc Flash
- Energy Studies
- Non-Documented Systems Survey and Circuit Tracing
- Design of bid alternates or multiple bid packages.
- Engineering studies of alternative systems and equipment locations.
- Radio Path Study

- Design of voice communications, data/IT, CCTV, intrusion alarm and access control systems, including servers, controllers, switches, terminal devices and cabling. If desired, a separate fee proposal can be provided upon request.
- SCADA Programming Services
- Design services due to a change in scope of Basic Services.
- Design services due to Change Orders requested by the Client during construction.
- Economic analyses, including life cycle cost.
- Value engineering design services after approval of the 60% Preliminary Construction Documents.
- Non-routine expenses (those not listed below, such as mylar reproduction and delivery charges) will be billed at rate incurred plus 10%

ENGINEERING FEES

Engineering Fees are proposed on a Lump Sum basis. General expenses (mileage, tolls, and routine reproduction) are included as part of the fees proposed. Lump Sum fees for the project tasks are as follows:

Design Services- Electrical	\$13,900.00
Task "B" Tank Lighting Design Services- Electrical	\$5,900.00
Bid Phase Services - Electrical	\$900.00
<u>Construction Phase Services - Electrical</u>	<u>\$3,900.00</u>
Total Lump Sum Fees – Electrical	\$18,700.00
Total Lump Sum with Option Task "B" – Electrical	\$24,600.00

INSURANCE

For your protection, we carry Comprehensive General Liability Insurance. Proof of Insurance may be provided upon request.

INTELLECTUAL PROPERTY RIGHTS

All deliverables produced by BEI are provided with the understanding that they are only to be used for the subject project. Any BEI deliverable shall not be used or distributed beyond the scope of this project without our written consent.

NOTICE TO PROCEED

We can begin work upon your Notice to Proceed. Please either sign and return a copy of this proposal or provide a Work Authorization in accordance with a Prime Services Agreement for execution.

We look forward to working with you on this project and appreciate the opportunity to do so!

Sincerely,



Richard Guzman, PE

Principal | Sr. Electrical Project Manager

Accepted:

By (signed): _____

By (printed): _____

Date: _____

Client Project No. _____

EXHIBIT C

Detailed Fee Breakdown

		Hours											Expenses					
	Task	PV IV / Sr Engr III	PM II / Sr Engr I	Senior RPLS	PM / Proj Engr III	Proj Engr II	Proj Engr I	Senior Tech III	Senior Tech II	Graduate Engineer	2-Person Field Crew	Senior Project Coord	Mileage	Delivery	Copies	Fees	Total Hours	Total Budget
I	Preliminary Engineering																	
A	Administrative																	
1	Project Management (1 months)	2	1		4	1						6					14	\$2,780.00
2	Preliminary Design Conference	2	2		2	2											8	\$1,856.00
3	Site Visit (1)	3	5		3	3	3						228				17	\$3,710.00
4	Preliminary Schematic	1	2		2		8										13	\$2,341.00
B	Geotechnical Serv ices (ARIAS)																	\$41,342.00
	Coordination	3	2		12	6						4					27	\$5,473.00
	5% Contractual Mark Up																	\$2,067.10
C	Environmental Services (aci)																	\$9,250.00
	Coordination	3	2		12	6						4					27	\$5,473.00
	5% Contractual Mark Up																	\$462.50
D	Survey																	
1	Sketch/Plat and Metes and Bounds Description																	
	Deed Research / Base Map			1				5									6	\$1,190.00
	Control, Boundary							1			10						11	\$1,828.00
	Set Parcel Corners			1				1			6						8	\$1,422.00
	Process Control			1				2									3	\$626.00
	Process Field Files							2									2	\$376.00
	Boundary Resolution			6				2									8	\$1,876.00
	Plat/Metes and Bounds			4				8									12	\$2,504.00
	QA/QC			2				1									3	\$688.00
	Title Report @ \$400/report															\$ 400.00		
2	Topographic Survey			1					8		10						19	\$3,202.00
	Hour Sub Total	14	14	16	35	18	11	22	8	0	26	14	228	0	0		178	
	Subtotal Labor Costs												\$148.20	\$0.00	\$0.00	\$400.00		\$88,466.60
	Subtotal Expense Costs																	\$548.20

		Hours											Expenses					
	Task	PV IV / Sr Engr III	PM II / Sr Engr I	Senior RPLS	PM / Proj Engr III	Proj Engr II	Proj Engr I	Senior Tech III	Senior Tech II	Graduate Engineer	2-Person Field Crew	Senior Project Coord	Mileage	Delivery	Copies	Fees	Total Hours	Total Budget
II	Design Phase																	
A	Administrative																	
1	Project Management (12 months)	6			36							24					66	\$12,798.00
2	Progress/Coordination Meetings																	
a	Kick-Off	2	2		4	2		2				2					14	\$2,946.00
b	Design Phase Review Meetings	4	4		8	4	8			4							32	\$6,168.00
c	Monthly Coordination (12 months)	12	12		24	12	24			12							96	\$18,504.00
d	Internal Coordination (12 months)	13	26		26	26	26			26							143	\$27,235.00
3	Project Schedule (12 months)	1			16												17	\$3,491.00
B	Plans, Specifications and Estimates (PS&E)																	
1	Plans												1296					
a	Cover and Index Sheets (2 Sheets)				8	16		8		12							44	\$7,420.00
b	General Notes Sheets (2 Sheets)				6	9		6		12							33	\$5,442.00
c	Location, Soil Boring, and Staking Plan (1 Sheet)		4		4	8	12	12		12							52	\$8,704.00
d	Site Plan (1 Sheet)		16		16	24	24	32		12							124	\$22,308.00
e	Erosion and Sedimentaion Control Plan (1 Sheet)		3		6	9	12	6		9							45	\$7,503.00
f	Drainage - Hydrologic Sheets (3 Sheets)	6	24		12	36	60	12		24							174	\$30,342.00
g	Drainage - Hydraulic Sheets (2 Sheets)	4	16		8	24	40	8		16							116	\$20,228.00
h	Grading Plan (1 Sheet)	3	12		12	18	24	36		9							114	\$20,760.00
i	Access Driveway Plan and Profile (1 Sheet)	2	16		16	24	32	48		12							150	\$27,066.00
j	Yard Piping Plan (1 Sheet)	2	12		16	24	32	40		8							134	\$24,038.00
k	Fencing Plan (1 Sheet)	2	12		10	14	16	12		12							78	\$14,112.00
l	Elevated Storage Tank Plan (1 Sheet)	3	12		12	18	24	36		9							114	\$20,760.00
m	Composite Column Elevated Storage Tank Illustrative Section (1 Sheet)	3	9		6	9	15	12		3							57	\$10,692.00
n	Elevated Storage Tank Elevation, Section, and Details (2 Sheets)	3	18		12	18	30	24		6							111	\$20,463.00
o	Electrical and SCADA Design, Plans, and Details (Burrer)																	\$19,800.00
	Coordination	2	4		8	4						2					20	\$4,210.00
	5% Contractual Mark Up																	\$990.00
p	Civil Standard Details (5 Sheets)	8	12		15	23	30	27		15							130	\$23,698.00
q	Mechanical Standard Details (3 Sheets)	5	7		9	14	18	16		9							78	\$14,227.00
2	Specifications and Project Manual	16	24		32	40	32			16		24					184	\$34,592.00
3	Quantity Take-off and Estimate				26	52	26			26							130	\$21,216.00
4	QA/QC	38	92		31							16					177	\$43,363.00
5	Submittal Packages to the City	8	12		32	24	32			32		16					156	\$27,216.00
6	Permitting	6	12		18	12											48	\$10,488.00
a	City of Hutto Site Plan Permitting Fee															\$ 1,500.00		
b	Preliminary and Final Plat	2		12	4			24									42	\$8,922.00
c	Site Plan Application	2	2		6	16	24			40		6			50		96	\$14,656.00
7	Submittals to the TCEQ	3	9		9	12						6					39	\$7,974.00
8	Submittals to the FAA	3	9		9	12						6					39	\$7,974.00
	Hour Sub Total	187	409	44	527	540	563	405	16	336	52	130	1900.2	0	50		3209	
	Subtotal Labor Costs												\$1,235.13	\$0.00	\$7.50	\$2,300.00		\$550,306.00
	Subtotal Expense Costs																	\$3,542.63

		Hours											Expenses					
	Task	PV IV / Sr Engr III	PM II / Sr Engr I	Senior RPLS	PM / Proj Engr III	Proj Engr II	Proj Engr I	Senior Tech III	Senior Tech II	Graduate Engineer	2-Person Field Crew	Senior Project Coord	Mileage	Delivery	Copies	Fees	Total Hours	Total Budget
II	Bid and Construction Administration																	
A	Bid Phase Services																	
1	Project Management (3 months)	6	9		12							9					36	\$7,902.00
2	Advertisement	4	6		12	8						8					38	\$7,756.00
3	Pre-Bid Conference	4			12	8						2	162				26	\$5,308.00
4	Addenda (2)	6	12		16	12						16					62	\$12,618.00
5	Bid Opening, Tabulation and Letter of Recommendation	4	2		8	16	8			12		4	162				54	\$9,412.00
6	Electrical and SCADA Bid Phase Services (Burrer)																	\$900.00
	Coordination		3		4	6	2										15	\$2,862.00
	5% Contractual Mark Up																	\$45.00
B	Construction Administration Services																	
1	Project Management (12 months)	24	36		48							36					144	\$31,608.00
2	Conformed Documents	2	8		12	16	12	4		8		4			450		66	\$11,890.00
3	Contract Documents	2			12	16						12					42	\$7,650.00
4	Pre-Construction Conference	2	4		6	4	2					2	162				20	\$4,096.00
5	Contractor Schedules	2	12		40	32						8					94	\$18,342.00
6	Site Visits (12 visits)	18	18		36	36							1296				108	\$23,382.00
7	Progress Meetings (12 Meetings)	18	18		36	36						36	1296				144	\$29,070.00
8	Change Orders (5)	5	10		25	20	13										73	\$14,296.00
9	Requests for Information (20)	20	40		80	60	40					12					252	\$49,956.00
10	Contractor Submittals (80)		80		40	120						8					248	\$49,864.00
11	Pay Applications (12)		6		24	12						12					54	\$10,236.00
12	Final Walkthroughs		8		6	6	6			6			162				32	\$5,864.00
13	Close Out	4	24		40	36	24					12					140	\$26,684.00
14	Record Drawings	2	21		15	29	37	22				8					134	\$24,491.00
15	Electrical and SCADA Construction Phase Services (Burrer)																	\$3,900.00
	Coordination		3		4	6	2					2					17	\$3,178.00
	5% Contractual Mark Up																	\$195.00
16	Review of Structural Calculations	12	24		16	12											64	\$14,932.00
	Hour Sub Total	123	317		484	473	144	26		26		189	3240	0	450		1782	
II	Subtotal Labor Costs												\$2,106.00	\$0.00	\$67.50	\$0.00		\$376,437.00
A	Subtotal Expense Costs																	\$2,173.50



ADDENDUM TO TASK ORDER #23-006-B-001

By my signature below, I hereby certify and verify that the Master Services Agreement for Cobb, Fendley & Associates, Inc., Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Cobb, Fendley & Associates, Inc.

By:

A handwritten signature in blue ink, appearing to read "Dan Warth".

Print Name: Dan Warth

Title: Executive Vice President

AGENDA ITEM REPORT

11.9.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-223 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$144,950 for the Parks Master Plan project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The City of Hutto desires to update the 2020 Parks and Open Space Master Plan through a formal planning process. The Landscape Architect will support the overall vision for the Parks and Recreation Administration Department and guide decision-making for investment in the existing park system. The Landscape Architect will develop the updated plan utilizing information provided by the City in addition to a public engagement process. The Landscape Architect understands that the desired outcomes from this project include:

1. Update the previous plan to identify completed projects, and shifts in priorities, and establish a long-term plan.
2. Provide an update to the public through 2 public meetings and 1 stakeholder meeting.
3. Receive approval from the City Council, Parks Board, and other related agencies and stakeholders.

The purpose of this item is to award an Individual Project Order (IPO) to Clark Condon Associates, Inc. as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

AGENDA ITEM REPORT

11.9.



SUMMARY OF REQUEST:

Approval of resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$150,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$5,050 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 CCA Resolution for Parks Master Plan v2
2. Exh A Task Order_Architecture_CCA_MSA 23-10B-01_Parks and Open Space Master Plan
3. Task Order Addendum - Certification and Verification HB 1295, No Boycott-#23-010B-001

RESOLUTION NO. R-2023-223

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN CLARK
CONDON ASSOCIATES, INC. AND THE CITY OF HUTTO
IN THE AMOUNT OF \$144,950 FOR THE PARKS MASTER
PLAN PROJECT; AUTHORIZING THE CITY MANAGER
TO EXECUTE THE TASK ORDER; PROVIDING PROPER
NOTICE & MEETING, AND PROVIDING AN EFFECTIVE
DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Clark Condon Associates, Inc. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Clark Condon Associates, Inc., in the amount of \$144,950 for services related to the Parks Master Plan Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Clark Condon Associates, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Clark Condon Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010B-001

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010B-001: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: CLARK CONDON ASSOCIATES, INC.

Specific Project (title): Parks and Open Space Master Plan Update

- 1) Scope of services for Landscape Architectural Services will include the following field services:
 - a. Update the previous master plan
 - b. Provide an update to the public through public meetings
 - c. Refer to the attached proposal for full description of scope

2. Fee: NTE \$144,950.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact

Matt Rector

City Engineer

Matt.Rector@HuttoTX.gov

512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010B-001} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: Mary Keilers

Title: _____ Title: Innovation and Research Principal

September 12, 2023
Revised September 13, 2023

10401 STELLA LINK ROAD
HOUSTON, TEXAS 77025

phone 713.871.1414 *fax* 713.871.0888

CLARKCONDON.COM

Patricia Davis
CIP Engineer
City of Hutto
500 W Live Oak St
Hutto, TX 78634

Re: City of Hutto Parks and Open Space Master Plan Update (#23-010B-001)

Dear Patricia,

We are pleased to make this proposal for professional services to prepare a Parks and Open Space Master Plan Update for the City of Hutto. For the purposes of this proposal, you will be referred to as the Client and Clark Condon Associates, Inc. as the Landscape Architect.

SCOPE – The City of Hutto desires to update the 2020 Parks and Open Space Master Plan through a formal planning process. The Landscape Architect will support the overall vision for the Parks and Recreation Administration Department and guide decision-making for investment in the existing park system. The Landscape Architect will develop the updated plan utilizing information provided by the Client in addition to a public engagement process. The Landscape Architect understands that the desired outcomes from this project include:

- Update the previous plan to identify completed projects, and shifts in priorities, and establish a long-term plan.
- Provide an update to the public through 2 public meetings and 1 stakeholder meeting.
- Receive approval from the City Council, Parks Board, and other related agencies and stakeholders.

The Landscape Architect will address these requirements and issues in a comprehensive manner and will deliver a document that provides guidance on decisions facing the city. This comprehensive planning effort will address short-term and long-term requirements in a financially sustainable and achievable manner. The following work plan presents the detailed scope of services for meeting the needs of the Client.

The Landscape Architect shall incorporate information provided by the Client into the updated plan. The Landscape Architect will communicate directly with the City's Director of Parks and Recreation who will assist with obtaining documents, scheduling meetings, and facilitating meeting space.

Responsibility of the City

The Client will provide the following items to facilitate the master plan update process:

- A summary of all park projects completed, budgeted for, or in the planning process within the last five years.
- Registrations and attendance numbers for park use.
- Other related studies for consideration.
- Current demographic information for the city.
- Recent public surveys performed under a separate contract for incorporation into the master plan.
- Schedule presentations to City Council & the Parks Board.
- Assist with the public engagement process including:
 - Scheduling, advertising, and providing a location for 2 public meetings
 - Collecting data through social, print, digital, or written platforms.
 - Collecting data through internal and external events.
 - Facilitate collaboration with ISD, Parks Board, Council, School Board and other relevant stakeholders

Master Plan Update

Task 1 – Project Kick-Off/Communications

The Landscape Architect will facilitate a kick-off meeting with the Parks and Recreation Department (PARD). The meeting will confirm project goals, objectives, and expectations. Detailed steps of this task include:

- I. **Kick-off Meeting** – Conduct a virtual meeting to present and discuss the following:
 - A. The project goals, objectives, scope, and schedule will be confirmed.
 - B. Discuss expectations of the completed project.
 - C. Confirmation of lines of communication, points of contact, level of involvement of City leaders and PARD, and other related project management details. Also, protocols and procedures for scheduling meetings should be agreed upon.
- II. **Data Collection** – The Landscape Architect will collect, log, and review key data and information necessary to develop the master plan. To the extent this information is in the custody of the Client, they will provide the Landscape Architect with said information prior to the Landscape Architect beginning its work.

Task 2 – Community/Stakeholder Input

The success of this master plan update will be based on community and stakeholder input. The Landscape Architect will work with the PARD to identify stakeholders, gather input, and disseminate information to help gain consensus on key strategies of the plan. Specific tasks include:

- I. **Stakeholder Meeting** - The PARD and Parks Board will work with the Landscape Architect to schedule one in-person meeting with key stakeholders. The purpose of these meetings is to evaluate a vision for parks and recreation in the city, key issues, strengths and weaknesses of the parks and recreation system, trends, and level of services to be provided. A second meeting toward the end of the project will be conducted virtually to review with key stakeholders the major findings of the master plan.
- II. **Public Meetings** – The Landscape Architect will attend a total of two public meetings to present information and gather feedback from citizens at large.
 - A. The city will be responsible for providing the locations and advertising the public meetings.
 - B. The Landscape Architect will conduct the initial public meeting to gather input from the citizens and will conduct a second meeting toward the end of the project to review with the citizens the major findings of the master plan update.
- III. **Online Survey** – An online survey will be created to gather additional feedback from those who are unable to attend the public meetings. The Client will be responsible for advertising the online survey.
- IV. **Deliverable** - The Landscape Architect shall review findings in a virtual meeting with the Client showing the results of the services performed under Task 2. The Landscape Architect shall incorporate the Client's comments and the findings into the master plan as part of Task 5.

Task 3 – Facilities Assessment & Development Plan

The Landscape Architect will perform the following tasks to assess needed facilities. This assessment will support the overall recommendations for a Facilities Development Plan.

- I. **Facilities Assessment** – The Landscape Architect will collect from the Client and review the existing planning documents and prepare a summary analysis of recommendations and key data elements that will have an impact on

the plan. Any recommendations for modifications will be made at the end of the project. The Client will provide the Landscape Architect with the park and facility inventory to be used to create a base map and database. This base information will be confirmed through meetings with PARD and a site visit of the park system including parks, trails, and recreation facilities.

- A. General state and condition
- B. Compatibility with neighborhoods
- C. Aesthetics/Design
- D. Safety/Security
- E. Public Access
- F. Connectivity to the surrounding neighborhoods
- G. Program capabilities and compatibility with users
- H. Partnership opportunities
- I. Revenue generation opportunities
- J. In addition to the city's inventory, an inventory of other facilities, if any, operated by other public or non-profit agencies within the city will be collected and documented. The findings from this review will be documented in a prepared data collection form. The analysis will be performed from this review, providing input into the Facilities Development Plan.
- K. The Landscape Architect shall review with the Client a draft facility assessment summary showing the results of the services during a virtual meeting performed under this subtask. The Landscape Architect shall incorporate the Client's comments into the final Task 5.

II. **Facility Classifications and Standards** – The Landscape Architect will analyze existing park classifications and facility standards and assess their current application. The Landscape Architect will work with the Client to review and confirm, modify, or add to existing park classifications. These classifications will consider the size of the park, outcome expectations, population served, length of stay, amenity types within the park, and operational requirements. Any new or modified classifications will be approved as required.

- A. The Landscape Architect will compare the Facilities Capacity - Demand Standards in the city with other regional and National Recreation and Park Association standards and guidelines. Based on this analysis, customized facility standards for the city will be prepared. This will result in specific goals that the city should strive to achieve in terms of land, facilities, and programs.
- B. The Landscape Architect shall review with the client a draft facility classifications and standards summary during a virtual meeting showing the results of the services performed under this subtask. Landscape Architect shall incorporate the Client's comments into the final Task 5.
- C. The Consultant will provide maps in digital format.

III. **Prioritized Facility Needs Assessment** – The Landscape Architect will synthesize the findings from the community input, citizen survey results, demographics analysis, and facilities/program review into a quantified facility needs analysis. This will list and prioritize facilities, amenities, and program needs for the parks, recreation, and trails system and provide guidance for outdoor facilities.

The Landscape Architect shall review with the Client a draft prioritized facility needs assessment summary during a virtual meeting showing the results of the services performed under this subtask. The Landscape Architect shall incorporate the Client's comments into the final Task 5.

IV. **Facility Development Plan** – The Landscape Architect will prepare a Facilities Development Plan that will present the overall recommended priority and phasing for capital improvements for the park system. This strategy will be tied to the overall findings from the community and organized into an achievable plan. The Facilities Development Plan will lay the foundation for communicating the overall capital needs. A PARD workshop will be conducted to present findings and recommendations from this task. Comments from the Client during an in-person workshop will be incorporated into the development plan for presentation to stakeholders and the community.

Task 4 – Site Specific Masterplans

- I. **Develop Site-Specific Park Master Plans** – Hutto Lake, Durango, and Adam Orgain Park have been identified by the city as priority parks requiring site-specific park master plans. This scope of work includes the development of the plans incorporating the proposed programming defined in Tasks 2 and 3. This scope includes up to 2 concepts and cost estimates per park site for Client review. Concepts will be presented to the Client and revisions will be incorporated into a final rendered plan. All park concepts will be incorporated into the final master plan in Task 5.

Task 5 – Final Master Plan

Consider the findings and analysis from all previous tasks the Final Master Plan will develop. The tasks necessary to develop the Master Plan follows:

- I. **Draft Master Plan** – The Landscape Architect will prepare a Master Plan. The Plan will take into account all analyses performed and consider the fiscal and operational impacts on the Client. The Landscape Architect will prepare a final summary plan for Client review in PDF format.
- II. **Meetings** – The Landscape Architect will present a final Master Plan to the Parks and Recreation Department.
- III. **Final Master Plan and Council Meeting** – Upon completion of meetings, the Landscape Architect will provide the Client with the needed materials for a presentation to the City Council including the final Master Plan and Executive Summary. The Client will present the Plan to the City Council for their approval. The Landscape Architect will attend the Council Meeting and support the Client as necessary in the presentation of the final plan. The final deliverable will be provided electronically in PDF format.

SCHEDULE - The final Master Plan Update will be delivered within 12 months from the effective date of the Contract unless a time extension has been granted in writing by the Client.

FEE - The total fee for this project is a lump sum based upon the estimated time for professional services, plus reimbursable expenses, and will include the following tasks:

Task I – Project Kick-Off/Communications	\$8,000.00
Task II – Community/Stakeholder Input	\$15,000.00
Task III – Facilities Assessment & Development Plan	\$44,825.00
Task IV – Site Specific Masterplans	\$34,750.00
Task V – Final Master Plan	<u>\$32,375.00</u>
TOTAL	\$134,950.00
Estimated Reimbursables	\$10,000.00
GRAND TOTAL	<u>\$144,950.00</u>

REIMBURSABLE EXPENSES - The Client shall pay the Landscape Architect for the cost of out-of-town travel expenses, messenger, mileage, printing, services of professional consultants which cannot be quantified at the time of contracting, and other directly related costs. All expenses will be billed to a maximum of \$10,000.

ADDITIONAL SERVICES - Additional services, if requested by the Client, will be considered extra services. An additional services lump sum proposal will be submitted to the owner for approval prior to the start of any out-of-scope work.

HOURLY RATES

Partner	\$350.00/hour
Principal	\$225.00/hour
Senior Associate	\$175.00/hour
Associate	\$125.00/hour
Project Staff	\$100.00/hour
Administrative	\$90.00/hour

Hourly rates will be reviewed annually and may be increased in accordance with annual salary and cost-of-living reviews.

EXCLUSIONS TO THE CONTRACT

1. Surveying services.
2. Civil engineering services.
3. Detailed design plans for any individual parks not stipulated in the scope.
4. Printing of flyers, handouts, and yard signs required for public engagement.
5. Printing and binding of final report.

Parks and Open Space Masterplan
9/12/23
IPO 23-10B-001

ID	Task Name	Duration	Start	Finish
1	Project Kick-off	20 days	Thu 10/5/23	Wed 11/1/23
2	Project Start up & Kick-Off Meeting	1 wk	Thu 10/5/23	Wed 10/11/23
3	Data Collection	3 wks	Thu 10/12/23	Wed 11/1/23
4	Task 2 - Community / Stakeholder Input	102 days	Thu 12/14/23	Fri 5/3/24
5	Public Meeting Prep & Advertisement	6 wks	Thu 12/14/23	Wed 1/24/24
6	Stakeholder Meeting	1 wk	Thu 1/25/24	Wed 1/31/24
7	Public Meeting 1	1 wk	Thu 2/15/24	Wed 2/21/24
8	Online Survey	8 wks	Thu 2/15/24	Wed 4/10/24
9	Public Meeting 2	1 wk	Mon 4/29/24	Fri 5/3/24
10	Task 3 - Facilities Assessment & Development Plan	140 days	Thu 11/2/23	Wed 5/15/24
11	Facilities Assessment	6 wks	Thu 11/2/23	Wed 12/13/23
12	Facility Classification & Standards	6 wks	Thu 12/28/23	Wed 2/7/24
13	Prioritized Facility Needs Assessment	8 wks	Thu 2/8/24	Wed 4/3/24
14	Facility Development Plan	6 wks	Thu 4/4/24	Wed 5/15/24
15	Task 4 - Site Specific Masterplans	50 days	Thu 5/16/24	Wed 7/24/24
16	Concept Development	4 wks	Thu 5/16/24	Wed 6/12/24
17	Client Review	2 wks	Thu 6/13/24	Wed 6/26/24
18	Refine Concepts	4 wks	Thu 6/27/24	Wed 7/24/24
19	Task 5 - Final Masterplan	90 days	Thu 5/16/24	Wed 9/18/24
20	Draft Masterplan	12 wks	Thu 5/16/24	Wed 8/7/24
21	Client Review of Masterplan	2 wks	Thu 8/8/24	Wed 8/21/24
22	Final Masterplan Edits	3 wks	Thu 8/22/24	Wed 9/11/24
23	Present Final Plan to Council	1 wk	Thu 9/12/24	Wed 9/18/24



ADDENDUM TO TASK ORDER # 23-010B-001

By my signature below, I hereby certify and verify that the Master Services Agreement for On Demand Services Landscape Architecture Rotation List, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Clark Condon Associates, Inc.

By:

A handwritten signature in blue ink that reads 'Elizabeth Gilbert'.

Print Name: Elizabeth Gilbert
Title: Managing Principal

AGENDA ITEM REPORT

11.10.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-232 authorizing the City Manager to execute an Individual Project Order (IPO) with TranSystems Corporation Consultants in the amount of \$128,184 for the Lakeside Estates Sidewalks, Phase 3 project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-191 regarding Rotation List for Transportation and Drainage Engineering professional services with five consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The Basic Services to be provided under this Task Order are engineering design services for construction of the Lakeside Estates Sidewalks Phase 3 Project. Services include, but are not limited to, design, Texas Department of Licensing and Regulation requirements, the preparation of plans, specifications, and estimates (PS&E), bidding and construction phase services. The project includes approximately 6,000 linear feet of sidewalks for the following locations: 1. Dana Drive from Williamson County Road 138 to Kaatz Lane. 2. Little Lake Rd from Kaatz Lane to Estate Drive. 3. Williamson Way from Little Lake Road South to Little Lake Road North. 4. Toby Trail from Estate Drive to Cul-de-Sac if funds are available.

The purpose of this item is to award an Individual Project Order (IPO) to TranSystems Corporation Consultants as an approved consultant of the City's selected firms on the Transportation and Drainage rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

AGENDA ITEM REPORT

11.10.



STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This project is being funded out of the General Fund (10-040-060-6320).

The budget for this project in FY 2024 is \$250,000. There have been no encumbrances to date for this phase of the project. After awarding this IPO, there will be \$121,816 of remaining funds for this project in FY 2024.

ATTACHMENTS:

1. 20230922 TranSystems Resolution for Lakeside Estates sidewalks
2. Exh A Task Order 23-05B-001 - Lakeside Estates Sidewalks, PH 3
3. IPO 23-05B-001 - Lakeside Estates Sidewalks, PH 3 - Proposal Cover Ltr - 2023-09-12
4. IPO 23-05B-001 - Lakeside Estates Sidewalks, PH 3 - Scope of Services - 2023-09-12
5. IPO 23-05B-001 - Lakeside Estates Sidewalks, PH 3 - Design Schedule - 2023-09-12
6. IPO 23-05B-001 - Lakeside Estates Sidewalks, PH 3 - Fee Schedule - 2023-09-12
7. Addendum to Task Order # IPO #23-055B-001 - (Signed)

RESOLUTION NO. R-2023-232

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN TRANSYSTEMS CORPORATION CONSULTANTS AND THE CITY OF HUTTO IN THE AMOUNT OF \$128,184.00 FOR THE LAKESIDE ESTATES SIDEWALKS PHASE 3 PROJECT; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected TranSystems Corporation Consultants to be included as part of the Transportation services rotation list; and

WHEREAS, the City Council desires to execute a task order with TranSystems Corporation Consultants, in the amount of \$128,184.00 for services related to the Lakeside Estates Sidewalks Phase 3 Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with TranSystems Corporation Consultants, in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by TranSystems Corporation Consultants; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-005B-001

Proposed TRANSPORTATION ROTATION LIST

In accordance with Agreement for On Demand Services Transportation Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-005B-001: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: TranSystems Corporation dba TranSystems Corporation Consultants

Specific Project (title): Lakeside Estates Sidewalks, Phase 3

- 1) Scope of services for Lakeside Estates Sidewalks, Phase 3 will include the following field services:
 - a. Conduct a field visit to document existing conditions and collect measurements as need.
 - b. Develop a concept drawing depicting recommended improvements for coordination with the City of Hutto and HOA.
 - c. Develop construction plans
 - d. Provide TDLR/TAS review of construction plans and coordinate necessary TDLR permit(s).
 - e. Develop construction cost estimate.
 - f. Develop a Project Manual with General Notes, Governing Specifications and Special Provisions, and Bidding Instructions
 - g. Provide Bid Phase support
 - h. Provide Construction Phase support
 - i. Coordinate post-construction TDLR/TAS inspection.
- 2) Project Limits:
 - a. Dana Drive from Williamson County Road 138 to Kaatz Lane
 - b. Little Lake Road from Kaatz Lane to Estate Drive
 - c. Williamson Way from Little Lake Road South to Little Lake Road North
 - d. Toby Trail from Estate Drive to Cul-de-Sac if funds are available.
- 3) Assumptions:
 - a. Consultant will use available aerial imagery, as-built information, and field measurements to aide in plan production.

- b. Consultant will visit the field to document existing conditions and collect measurement as needed in lieu of survey.
 - c. City will coordinate with HOA.
 - d. City will obtain Right-of-Entry (ROE) from property owners on behalf of the Consultant.
 - e. Permit fees will be reimbursed to Consultant by invoice.
- 4) Exclusions:
- a. Topographic survey services.
 - b. Boundary / property survey services.
 - c. Geotechnical investigations and/or studies.
 - d. Utility investigations, coordinations and/or engineering.
 - e. Drainage studies and designs.
 - f. Environmental studies and resource agency coordination.
 - g. Development of property descriptions, boundary surveying, and establishment of property corners and monuments.
 - h. Management and/or inspection of utility adjustments or relocations.

2. Fee: NTE \$ 128,184

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-005B-001} is September 21, 2023.

OWNER:

S

CONSULTANT:

By:

By:

Print Name:

Print Name:

Title: _____ Title: _____



TranSystems

7000 North MoPac Expressway
Austin, TX 78731
Tel (512) 514-6023

www.transystems.com

September 12, 2023

Mr. Matt Rector, P.E.
City Engineer
City of Hutto
500 W. Live Oak Street
Hutto, TX 78634

Re: IPO 23-05B-001 Lakeside Estates Sidewalks, Phase 3

Dear Matt,

TranSystems appreciates the opportunity to present this proposal and fee schedule for your consideration. The specific work to be accomplished is described in the attached Exhibit A – Scope of Services.

We will be available to review the proposal at your convenience. Please feel free to contact either myself at (817) 313-0093 or via email at cggartner@transystems.com, or Mr. Gary J. Law at (512) 745-6136 or via email at gjlaw@transystems.com.

Sincerely,

Chad G. Gartner, P.E.
Principal | Senior Vice President
Managing Director - Texas

Exhibit A
Scope of Services
Lakeside Estates Sidewalks, Phase 3
City of Hutto, TX
September 12, 2023

PROJECT UNDERSTANDING

The Basic Services to be provided under this Task Order are engineering design services for construction of the Lakeside Estates Sidewalks Phase 3 Project. Services include, but are not limited to, design, Texas Department of Licensing and Regulation requirements, the preparation of plans, specifications, and estimates (PS&E), bidding and construction phase services. The project includes approximately 6,000 linear feet of sidewalks for the following locations:

1. Dana Drive from Williamson County Road 138 to Kaatz Lane.
2. Little Lake Rd from Kaatz Lane to Estate Drive.
3. Williamson Way from Little Lake Road South to Little Lake Road North.
4. Toby Trail from Estate Drive to Cul-de-Sac if funds are available.

GENERAL DESIGN CRITERIA

As applicable, TranSystems will prepare work in accordance with the latest version of City and/or State procedures, specifications, manuals, guidelines, standard drawings, and standard specifications or previously approved special provisions and special specifications, which may include, but is not limited to, the following:

- TxDOT Roadway Design Manual
- Texas Manual on Uniform Traffic Control Devices (TMUTCD)
- TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges (latest Edition)
- City of Hutto Unified Development Code and other City and/or State approved manuals as may be applicable.

RIGHT-OF-ENTRY (ROE)

TranSystems will notify the City of anticipated need to enter property outside of the existing right-of-way to perform any activities needed to execute the required scope of services and shall provide the City with a list of the Williamson County Appraisal District (WCAD) Property Identification Numbers for those properties. The City shall obtain ROE from the Property Owner on behalf of TranSystems.

SURVEY SERVICES

Topographic Survey Services are not included in this scope of work. TranSystems will use available aerial imagery, as-built information, and field measurements to aide in plan production. TranSystems will visit the site in order to document existing conditions and collect measurements as needed in lieu of survey.

OTHER SERVICES

Environmental, Geotechnical, Utility Coordination, Drainage Design and SUE Services are not included in this scope of work.

Assumptions:

1. Consultant will use available aerial imagery, as-built information, and field measurements to aide in plan production.
2. Consultant will visit the field to document existing conditions and collect measurement as needed in lieu of survey.
3. City will coordinate with HOA.
4. City will obtain Right-of-Entry (ROE) from property owners on behalf of the Consultant.
5. Permit fees will be reimbursed to Consultant by invoice.

Exclusions:

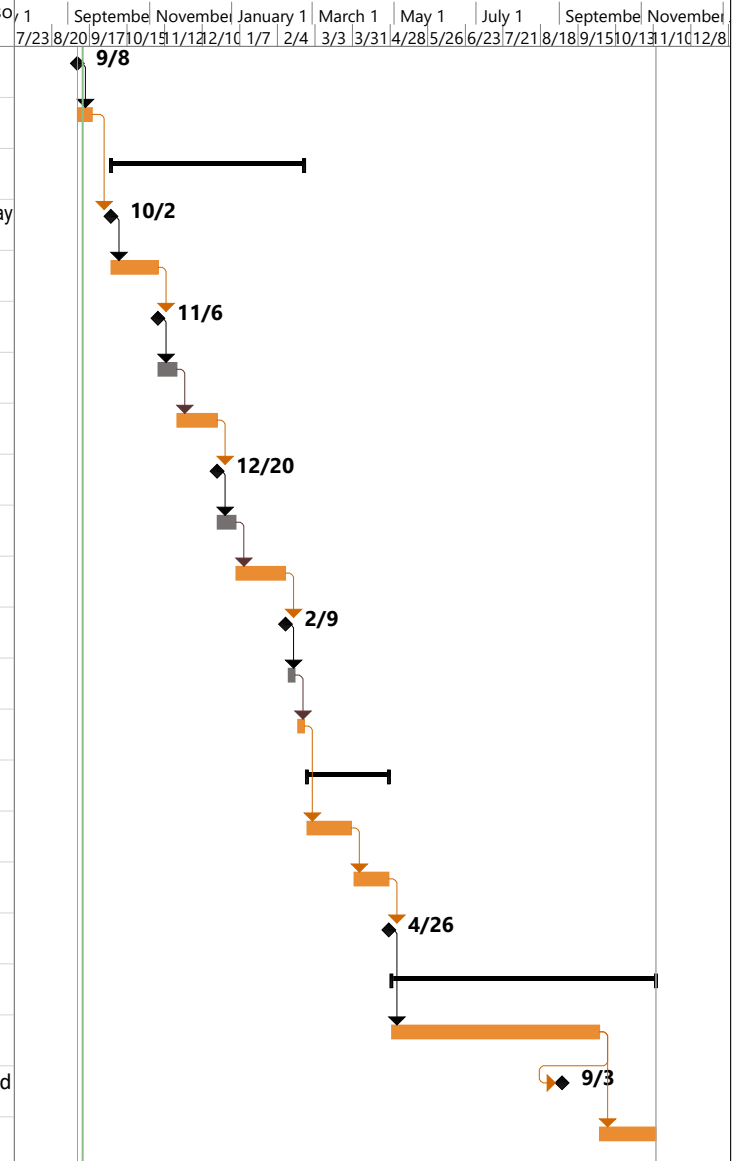
1. Topographic survey services.
2. Boundary / property survey services.
3. Geotechnical investigations and/or studies.
4. Utility investigations, coordinations, and/or engineering.
5. Drainage studies and designs.
6. Environmental studies and resource agency coordination.
7. Development of property descriptions, boundary surveying, and establishment of property corners and monuments.
8. Management and/or inspection of utility adjustments or relocations.

City of Hutto

Design Phase - Lakeside Estates Sidewalks, Phase 3

Project Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessor	1	September 7/23	September 8/20	September 9/17	September 10/15	September 11/12	September 12/10	October 1/7	October 2/4	October 3/3	October 3/31	October 4/28	October 5/26	October 6/23	October 7/21	October 8/18	October 9/15	October 10/13	October 11/10	October 12/8
1		City Project Assignment	0 days	Fri 9/8/23	Fri 9/8/23																					
2		Scope/Fee Development	7 days	Fri 9/8/23	Mon 9/18/23	1																				
3		Design Phase - Lakeside Estates Sidewalks, Phase 3	104 days	Mon 10/2/23	Fri 2/23/24																					
4		Kickoff Meeting - Issue Notice to Proceed	0 days	Mon 10/2/23	Mon 10/2/23	2FS+10 day																				
5		Concept Design - 30%	25 days	Tue 10/3/23	Mon 11/6/23	4																				
6		Concept (30%) Submittal	0 days	Mon 11/6/23	Mon 11/6/23	5																				
7		City Review (30%)	10 days	Tue 11/7/23	Mon 11/20/23	6																				
8		Preliminary Design (60%)	22 days	Tue 11/21/23	Wed 12/20/23	7																				
9		Preliminary (60%) Submittal	0 days	Wed 12/20/23	Wed 12/20/23	8																				
10		City Review (60%)	10 days	Thu 12/21/23	Wed 1/3/24	9																				
11		Final Design (100%)	27 days	Thu 1/4/24	Fri 2/9/24	10																				
12		Final (100%) Submittal	0 days	Fri 2/9/24	Fri 2/9/24	11																				
13		City Review (100%)	5 days	Mon 2/12/24	Fri 2/16/24	12																				
14		Bid Plans and Specs Package Complete	5 days	Mon 2/19/24	Fri 2/23/24	13																				
15		Bid Phase Services Advertise/Selection	45 days	Mon 2/26/24	Fri 4/26/24																					
16		Advertise	25 days	Mon 2/26/24	Fri 3/29/24	14																				
17		Accept Bids/Review/Approve	20 days	Mon 4/1/24	Fri 4/26/24	16																				
18		Contractor Selection	0 days	Fri 4/26/24	Fri 4/26/24	17																				
19		Construction Phase Services	141 days	Mon 4/29/24	Mon 11/11/24																					
20		Construction	111 days	Mon 4/29/24	Mon 9/30/24	18																				
21		Project Final Walk Thru/Punch List	0 days	Tue 9/3/24	Tue 9/3/24	20FS-20 d																				
22		Project Closeout	30 days	Tue 10/1/24	Mon 11/11/24	20																				



Project: Lakeside Estates - PH 3
Date: Tue 9/12/23

Task Summary External Tasks
Milestone Manual Summary Progress

ATTACHMENT B -- Level-of-Effort Estimated Fee
TranSystems Corporation
Lakeside Estates Sidewalks, Phase 3

9/12/2023

Sheet Count			(Loaded Labor Rates)	E5	E4	E3	E1	T3	S4	S2	2-Man	A2	TOTAL	LABOR &
Task	New	Std.		\$ 390	\$ 255	\$ 205	\$ 125	\$ 125	\$ 190	\$ 95	\$ 190	\$ 110	HRS	OVERHEAD
1.0			Project Administration											
			a. Project Kick-off Meeting with City, Prepare Meeting Minutes	0	4	2	0	0				0	6	\$1,430
			b. Coordinate with sub-consultants	0	1	0	4	0				0	5	\$755
			c. Prepare monthly invoices and project progress reports	0	24			0				48	72	\$11,400
			d. Design Team Meetings	0	5	5	5	0	0	0	0	0	15	\$2,925
			Task Subtotal:											\$16,510
2.0			Site Visit											
			a. Visit Preparation	0	2	0	8	0					10	\$1,510
			b. Conduct Site Visit	0	8	0	8	0					16	\$3,040
			c. Prepare Site Sketch	0	1	0	4	0					5	\$755
			d. Draft memo of findings & recommendations	0	1	0	2	0				0	3	\$505
			Task Subtotal:											\$5,810
3.0			Concept Drawing for HOA											
			a. Draft Concept Drawing (Scroll Plot)		2	12	24	16					54	\$7,970
			b. Final Concept Drawing (Scroll Plot)		1	2	4	4					11	\$1,665
			Task Subtotal:											\$9,635
4.0			Construction Plans and Quantity Summaries											
			a. Drafting, calculations, engineering		9	68	240	46					363	\$51,985
			b. QA/QC	1	4	8	8						21	\$4,050
			Task Subtotal:											\$56,035
5.0			Construction Cost Estimates											
			a. Preliminary (10%, 30%, 60%)		3	3	9						15	\$2,505
			b. Final (100%)		1	1	4						6	\$960
			Task Subtotal:											\$3,465
6.0			Construction Schedule (Working Day Estimate)											
			a. Preliminary (30%, 60%)		2	2	8						12	\$1,920
			b. Final (100%)		1	1	8						10	\$1,460
			Task Subtotal:											\$3,380
7.0			TDLR / TAS Coordination											
			a. TDLR Permitting		1	4						2	7	\$1,295
			b. N/A										0	\$0
			Task Subtotal:											\$1,295
8.0			Project Manual and Governing Specifications											
			a. Draft		2	2	24					4	32	\$4,360
			b. Final	1	1		8					1	11	\$1,755
			Task Subtotal:											\$6,115
			Subtotal	2	73	110	368	66	0	0	0	55	674	\$102,245
			EXPENSES									Check	674	
			Travel, Lodging, Per Diem, & Misc Costs											\$2,200
			Direct Cost (Permits, Traffic Control, Etc)											\$175
			Subconsultant - TAS/RAS											\$2,200
			Subtotal											\$4,575
6.0			Bid Phase Support (5% of Design Phase)											\$5,341
7.0			Construction Phase Support (15% of Design Phase)											\$16,023
			TASK TOTAL FEE											\$128,184
			Exclusions/Assumptions											
			See Exhibit A											
9/12/2023														Page



ADDENDUM TO TASK ORDER # IPO #23-005B-001

By my signature below, I hereby certify and verify that the Master Services Agreement for Lakeside Estates Sidewalk, Phase 3, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: TranSystems Corporation dba TranSystems Corporation Consultants

By:

A handwritten signature in blue ink that reads 'Thomas R. Munson'.

Print Name: Tom Munson

Title: Principal

AGENDA ITEM REPORT

11.11.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-228 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$125,000 for the Pickle Ball Courts project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The Scope of services for Landscape Architecture and Structural Engineering Design & Documentation related to the installation of Pickleball Courts at Creeksie Park will include the following items:

- a. Two to Four Pickleball Courts
- b. Pedestrian hardscape circulation
- c. Planting & Irrigation
- d. Grading Plan
- e. SWPPP
- f. Optional Additional Electrical & Structural Design for Light Fixtures
- g. Refer to the attached proposal for a full description of the scope

The purpose of this item is to award an Individual Project Order (IPO) to Clark Condon Associates, Inc. as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

AGENDA ITEM REPORT

11.11.



SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$165,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$40,000 of remaining funds for this project in FY 2024.

ATTACHMENTS:

1. 20230928 CCA Resolution for Pickleball Courts v2
2. Exh A Task Order_Landscape Arch_CCA_MSA 23-010B-003 -Creeside Park Pickleball Courts
3. Task Order Addendum - Certification and Verification HB 1295, No Boycott-#23-010B-003

RESOLUTION NO. R-2023-228

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN CLARK
CONDON ASSOCIATES, INC. AND THE CITY OF HUTTO
IN THE AMOUNT OF \$125,000 FOR THE PICKLEBALL
COURTS PROJECT; AUTHORIZING THE CITY
MANAGER TO EXECUTE THE TASK ORDER;
PROVIDING PROPER NOTICE & MEETING, AND
PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Clark Condon Associates, Inc. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Clark Condon Associates, Inc., in the amount of \$125,000 for services related to the Pickleball Courts Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Clark Condon Associates, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Clark Condon Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010B-003

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010B-003: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: CLARK CONDON ASSOCIATES, INC.

Specific Project (title): Creekside Park Pickleball Courts

- 1) Scope of services for Landscape Architecture and Structural Engineering Design & Documentation will include the following items:
 - a. Two to Four Pickleball Courts
 - b. Pedestrian hardscape circulation
 - c. Planting & Irrigation
 - d. Grading Plan
 - e. SWPPP
 - f. Optional Additional Electrical & Structural Design for Light Fixtures
 - g. Refer to attached proposal for full description of scope

2. Fee: NTE \$125,000.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010B-003} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: Mary Keilers

Title: _____ Title: Innovation and Research Principal

September 12, 2023
Revised September 13, 2023

10401 STELLA LINK ROAD
HOUSTON, TEXAS 77025

phone 713.871.1414 *fax* 713.871.0888

CLARKCONDON.COM

Patricia Davis
CIP Engineer
City of Hutto
500 W Live Oak St
Hutto, TX 78634

Re: Creekside Park Pickleball Courts (#23-010B-003)

Dear Patricia,

We are pleased to provide this proposal for landscape architectural design associated with the proposed Pickleball Courts within Creekside Park located in Hutto, Texas. For the purposes of this proposal, you will be referred to as the Client and Clark Condon Associates, Inc. as the Landscape Architect.

SCOPE OF WORK - The scope of work includes the design and documentation for pickleball courts within Creekside Park. The Landscape Architect shall be responsible for providing landscape architectural design and documentation services for the project. This shall be accomplished by working closely with the Client and Design Team. Scope of work includes design and documentation for the following:

1. Two to four pickleball courts
2. Pedestrian hardscape circulation
3. Planting and irrigation
4. Tree protection and preservation
5. Grading plan
6. SWPPP
7. Optional additional Court Lighting
8. Optional additional Stormwater Management and Detention Design

PRELIMINARY DESIGN - The Landscape Architect and Design Team shall prepare Preliminary Design drawings for the project. Drawings shall indicate general concepts, spatial relationships, scale, and form, and respond to site conditions, the program, and budget. Services to be provided in this phase include:

1. Project management and coordination with the Design Team to develop Preliminary Design concepts.
2. Organize and schedule 2 virtual meetings with the Client and Design Team to review design concepts.
3. Prepare two Preliminary Concepts and options for the overall scope.
4. Present Preliminary Concepts to the Client for review and discussion. Following this input, the concepts will be consolidated into one design.
5. Prepare a budgetary construction cost estimate based on Preliminary Design. During this phase, a budget for the court lighting will be prepared for Client review.
6. A Preliminary Design set on full-size sheets shall be prepared for final approval by the Client.

CONSTRUCTION DOCUMENTS – The Construction Documents phase shall be initiated after the Client's approval of the Preliminary Design. The Landscape Architect shall prepare Construction Documents and technical specifications for bidding and installation of all landscape architectural elements approved in Preliminary Design. Services to be provided in this phase include:

1. Provide site plans at 1" = 20'-0" scale indicating all items approved in Preliminary Design.
2. Provide details for all improvements as required for proper construction, installation, or finishing of all landscape components.
3. Select materials for all landscape architecture aspects, i.e., walkways, fencing, pickleball courts, and plantings.

4. Prepare layout plans dimensioning all proposed improvements.
5. Develop a site grading plan.
6. Prepare planting plans including all tree, shrub, vine, and groundcover selections for all locations.
7. Prepare irrigation plans including specifications, identification, location, and sizing of the irrigation system and its component parts.
8. If optional additional court lighting is authorized the Design Team shall coordinate and document the lighting.
9. Provide tree protection and removal plans and details.
10. Coordinate with the Design team for structural design associated with the fencing and courts.
11. Prepare final construction cost estimate to include unit costs at current construction dollars.
12. Organize and schedule virtual Client meetings (2 maximum).
13. Prepare a project manual including contract documents and technical specifications in MasterSpec format.
14. Conduct project QA/QC review with the Design Team.
15. Issue signed and sealed permit set to the Client. The Client is responsible for obtaining city permits.
16. Submit plans to TDLR for review.
17. Prepare final Construction Documents in reproducible format and digital format, AutoCAD.

BIDDING – After completion and approval of the Construction Documents, the Landscape Architect shall assist the Client with putting the plans out for public bid. This scope assumes we shall prepare one bid package.

1. Provide bid documents to the Client for distribution.
2. Attend a virtual pre-bid conference.
3. Prepare addenda as necessary.
4. Evaluate bids and make recommendations for contracts.
5. Revise the Construction Documents in a closing addendum, which incorporates any revisions and cost-saving items agreed to during the bidding phase.

CONSTRUCTION PHASE SERVICES – The Landscape Architect shall provide Construction Phase Services for the project. Services to be provided in this phase include:

1. Perform periodic site visits (approximately 5 visits). The Design Team shall visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Client, to become generally familiar with the progress of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating the Work, when fully completed, shall be in accordance with the Contract Documents. However, the Landscape Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Landscape Architect shall not have control over, charge of, or responsibility for, the construction means, methods, techniques, sequences, or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities.
2. Prepare elementary and supplementary sketches required to resolve field conditions related to design.
3. Review and take appropriate action on submittals, RFIs, and shop drawings submitted by contractors for conformance with the design concept.
4. Tag and inspect plant materials, pre-delivery and on-site, to assure conformance with plans and specifications as necessary.
5. Coordinate and conduct a substantial completion walkthrough at the conclusion of the construction and provide a punch list to the Contractor to complete the project.
6. Based on site visits, and the data comprising the pay application, the Landscape Architect shall review and certify to the Client that to the best of the Landscape Architect's knowledge, information, and belief the Work has progressed as indicated and the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified.
7. Review change orders for approval by the Client.

FEE - The total fee for this project is a lump sum based upon the estimated time and scope for professional services as outlined below, plus reimbursable expenses.

Basic Services

Preliminary Design	\$8,000.00
Construction Documents	\$25,000.00
Bidding/Pricing	\$3,500.00
Construction Phase Services	<u>\$18,500.00</u>
TOTAL BASIC SERVICES	\$55,000.00
Reimbursables	\$4,000.00
GRAND TOTAL	<u>\$59,000.00</u>

OPTIONAL ADDITIONAL

Electrical Design for Court Lights	\$10,500.00
Structural Design for Court Lights	\$5,500.00
Civil Engineering Stormwater Management and Detention Design and Documentation	\$50,000.00
TOTAL OPTIONAL ADDITIONAL	<u>\$66,000.00</u>

REIMBURSABLE EXPENSES - The Client shall pay the Landscape Architect for the cost of out-of-town travel expenses, messengers, mileage, printing, services of professional consultants which cannot be quantified at the time of contracting, and other directly related costs. All expenses shall be billed at cost to a maximum of \$4,000.00.

ADDITIONAL SERVICES – We consider additional services to include changes made after a phase of work has been accepted and we have been authorized by the Client to proceed to the next phase or because of Client changes to previous Project budget parameters or Project requirements. An additional services lump sum proposal shall be submitted to the owner for approval prior to the start of any out-of-scope work.

HOURLY RATES

Partner	\$350.00/hour
Principal	\$225.00/hour
Senior Associate	\$175.00/hour
Associate	\$125.00/hour
Project Staff	\$100.00/hour
Administrative	\$90.00/hour

Hourly rates shall be reviewed annually and may be increased in accordance with annual salary and cost-of-living reviews.

OWNER RESPONSIBILITIES – This scope assumes the owner will provide the following information:

1. Geotechnical Report
2. Topographic Survey

EXCLUSIONS TO THE CONTRACT

1. Topographic and boundary surveys
2. Existing site engineering and utility base information
3. Soil engineering, geotechnical consultant services, or related testing
4. Mechanical, electrical, and plumbing services
5. Archeological Investigation
6. Environmental Investigation
7. LEED Documentation
8. Graphics
9. Stormwater Management and Detention Design and Documentation Allowance has been included in the budget. If requested by the Client a proposal will be submitted for this scope of work for Client approval prior to any commencement of work.
10. Rendered plans and elevations
11. City of Hutto permitting and associated fees

Creekside Park Pickleball Courts
Revised - 9/13/23
IPO 23-10B-003

ID	Task Name	Duration	Start	Finish
1	Project Kick-off	1 day	Thu 10/5/23	Thu 10/5/23
2	Survey & Geotech By Owner	3 wks	Fri 10/6/23	Thu 10/26/23
3	Preliminary Design	41 days	Fri 10/27/23	Fri 12/22/23
4	Preliminary Concept Development	4 wks	Fri 10/27/23	Thu 11/23/23
5	Concept Review Meeting w/ Client	1 day	Fri 11/24/23	Fri 11/24/23
6	Refine Concept into Final Preliminary Design Deliverable	3 wks	Mon 11/27/23	Fri 12/15/23
7	Owner Review of Preliminary Design	5 days	Mon 12/18/23	Fri 12/22/23
8	Construction Documents	35 days	Mon 12/25/23	Fri 2/9/24
9	Review Set to Owner	4 wks	Mon 12/25/23	Fri 1/19/24
10	Owner Review	5 days	Mon 1/22/24	Fri 1/26/24
11	Update Drawings for Bid & Permit	2 wks	Mon 1/29/24	Fri 2/9/24
12	Permitting	10 days	Mon 2/12/24	Fri 2/23/24
13	Bidding	8 wks	Mon 2/26/24	Fri 4/19/24
14	Construction	16 wks	Mon 4/22/24	Fri 8/9/24

Note: If stormwater detention and lighting scope of work is authorized a new extended schedule will be provided to allow for coordination and design of this scope.



ADDENDUM TO TASK ORDER # 23-010B-003

By my signature below, I hereby certify and verify that the Master Services Agreement for On Demand Services Landscape Architecture Rotation List, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Clark Condon Associates, Inc.

By:

A handwritten signature in blue ink that reads 'Elizabeth Gilbert'.

Print Name: Elizabeth Gilbert
Title: Managing Principal

AGENDA ITEM REPORT

11.12.



To: City Council
Subject: Consideration and Consideration and possible action on Resolution No. R-2023-244 authorizing the City Manager to execute an Individual Project Order (IPO) with Johnson, Mirmiran, & Thompson, Inc. in the amount of \$123,850.58 for the Innovation at Limmer Loop Traffic Signal project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-191 regarding Rotation List for Transportation and Drainage Engineering professional services with five consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The City of Hutto proposes installing traffic signals at the intersection of Limmer Loop (CR 164) and Innovation Boulevard (CR 108). Johnson, Mirmiran & Thompson, Inc. has been requested to provide detailed 60% PS&E Design and Final PS&E design plans. This scope of services includes Plans, Specifications, and Estimate (PS&E), bid phase, and construction phase services, to be performed by the prime consultant.

The purpose of this item is to award an Individual Project Order (IPO) to Johnson, Mirmiran & Thompson, Inc. as an approved consultant of the City's selected firms on the Transportation and Drainage rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

AGENDA ITEM REPORT

11.12.



FISCAL NOTES:

This project is being funded by the Traffic Impact Fee Fund (42-040-060-6709).

The budget for this project in FY 2024 is \$2,200,000. There have been no encumbrances to date for this project. If this IPO is awarded, there will be \$2,076,149 in remaining funds available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 JMT Resolution for Innovation at Limmer v2
2. Exh A Task Order_Transportation_JMT_MSA-23-05E-002 (Traffic Signal)
3. Scope of Work - City of Hutto - 23-05E-002 (Traffic Signals)
4. Schedule - City of Hutto - 23-05E-002 (Traffic Signal)
5. Fee - City of Hutto - 23-05E-002 (Traffic Signal)
6. Task Order Addendum - Certification and Verification HB 1295No Boycott (JMT Exe)
Innovation-Limmer Loop signal

RESOLUTION NO. R-2023-244

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN JOHNSON, MIRMIRAN AND THOMPSON, INC. AND THE CITY OF HUTTO IN THE AMOUNT OF \$123,850.58 FOR THE INNOVATION AT LIMMER LOOP INTERSECTION IMPROVEMENT PROJECT; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected Johnson, Mirmiran and Thompson, Inc. to be included as part of the Utilities rotation list; and

WHEREAS, the City Council desires to execute a task order with Johnson, Mirmiran and Thompson, Inc. in the amount of \$123,850.58 for services related to the Innovation and Limmer Loop Intersection Improvements Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Johnson, Mirmiran and Thompson, Inc. in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Johnson, Mirmiran and Thompson, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-005E-002

Proposed TRANSPORTATION ROTATION LIST

In accordance with Agreement for On Demand Services Transportation Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-05E-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: JOHNSON, MIRMIRAN, & THOMPSON, INC (JMT)

Specific Project (title): Traffic Signal – Innovation at Limmer Loop

- 1) Scope of services for traffic signal improvements at the intersection of Innovation and Limmer Loop will include the following design services:
 - a. Project management
 - b. Data collection
 - c. PS&E including traffic control, roadway, and SW3P design
 - d. Traffic design including signal warrant study, traffic counts, and traffic signal design
 - e. Cost estimating and construction timeline
 - f. Bid phase and construction phase services

2. Fee: NTE \$123,850.58

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order #23-05E-002 is September 21, 2023.

OWNER:

CONSULTANT:

s

By:

By:

Print Name:

Print Name:

Title: _____ Title: _____

EXHIBIT A

ENGINEERING SERVICES

Project Background

The City of Hutto (City) proposes installing traffic signals at the intersection of Limmer Loop (CR 164) and Innovation Boulevard (CR 108).

Johnson, Mirmiran & Thompson, Inc. (the "Engineer") has been requested to provide detailed 60% PS&E Design and Final PS&E design plans. This scope of services includes Plans, Specifications, and Estimate (PS&E), bid phase, and construction phase services, to be performed by the prime consultant.

Design Phase:

Design services during development of this project shall be performed in accordance with the latest version of City and/or State procedures, specifications, manuals, guidelines, standard drawings, and standard specifications or previously approved special provisions and special specifications, which may include, but is not limited to, the following:

- TxDOT Roadway Design Manual
- Texas Manual on Uniform Traffic Control Devices (TMUTCD)
- TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges (latest Edition)
- City of Hutto Unified Development Code and other City and/or State approved manuals as may be applicable.

The project shall be developed utilizing PowerGeopak V8i (Select Series 10).

Additional Services:

Items for Environmental, Geotechnical, Utility Coordination, Drainage Design, and SUE are not included in this scope of work. These services may or may not be needed to complete the project. A separate "Notice to Proceed" from the City will be required prior to performing this work:

- a. *Survey Services – survey to support the reconstruction of existing sidewalk, street/driveway crossings, and curb returns.*
- b. *Preparation of Right-of-way and easement documents needed for construction of the Project*
- c. *SUE Services – Sufficient quality level to determine impacts of proposed design.*
- d. *Utility Coordination – individual utility meetings and relocation design and coordination.*
- e. *Geotechnical Services – geotechnical analysis to determine appropriate foundations for signal poles*
- f. *Drainage Design & Analysis – Inlets, laterals and manholes.*

- g. *Utility Design – Wet/dry utility design and relocations.*
- h. *Structural Design – retaining walls.*
- i. *Design exception preparation for any failed TDLR RAS inspections after the construction of the sidewalks has been completed and inspected.*

Basic Services

Task 1: Project Management

a. *General Management*

The Engineer shall establish and maintain project schedules and budgets, project correspondence, develop monthly progress reports, and prepare invoices.

b. *Project Coordination Meetings*

General project coordination with the City shall consist of biweekly meetings for six months. Biweekly internal team meetings to coordinate tasks.

c. *Quality Assurance/Quality Control*

The Engineer shall review all work to ensure that the work is in accordance with City requirements and that the work is completed in a timely and efficient manner.

Task 2: Data Collection

The Engineer shall collect, review and evaluate the following data described below. The Engineer shall inform the City of any disagreement found with the information or documents.

a. *Record Drawings*

The Engineer shall contact the City to collect record drawings, adjacent site plans, and any previous studies.

b. *Elevation/ROW Data*

The Engineer shall utilize available GIS data to determine elevations and approximate ROW, field survey data will be requested on an as-needed basis by the City's on-call surveyor.

c. *Existing Conditions Data*

The Engineer shall utilize available aerial imagery, as-built information and field measurements to aide in plan production.

d. *Utility Data*

The Engineer shall contact the City to obtain all available City of Hutto utility data and record drawings.

e. *Standard Details*

The Engineer shall utilize the City's current standard details. The Engineer shall also supplement standard details as required utilizing outside sources such as the City of TxDOT, etc.

f. Crash Data

The Engineer shall contact the City to obtain all available data on crashes in the vicinity of the project.

The Engineer shall convert pertinent GIS and LiDAR into CAD files to be used to supplement ROW, elevation and property data in developing the PS&E sheet background.

Task 3: Plans, Specifications, & Estimate

a. General

The Engineer shall prepare:

1. PS&E Title Sheet.
2. Index of Sheets – Identifies each sheet location in the plan set and its corresponding sheet number. The Index of Sheets shall be updated throughout the submittal process.
3. General Notes
4. Quantity Summaries

b. Traffic Control

The Engineer shall prepare:

1. Provide applicable Standards sheets. Standards that require modification will be revised and sealed by the Engineer. City of Hutto Standard Details and TxDOT standards will be utilized, as applicable.

c. SW3P

The Engineer shall prepare:

1. EPIC Sheet
2. Standards Details, as appropriate. Standards that require modification will be revised and sealed by the Engineer. City of Round Rock Standard Details and TxDOT Austin District standards will be utilized, as applicable.

d. Traffic

The Engineer shall prepare:

1. *Signal Warrant Study*

A traffic signal warrant study will be performed at the intersection of Limmer Loop (CR 164) and Innovation Boulevard (CR 108). This will include an evaluation of a multi-way stop and other possible alternatives. Tasks performed will include:

- i. A 12-hour traffic/pedestrian/bicycle count will be performed at the intersection.
- ii. A detailed review will be performed to record and observe the characteristics at the intersection including:
 - a. Existing intersection geometrics including roadway widths, lane configurations, sight distances, signing and marking, lighting and pavement conditions.
 - b. Traffic and pedestrian/bicycle operational issues and safety concerns.
 - c. Peak hour traffic flow observations, delay to motorists and short-term peaking characteristics at the intersection.
 - d. Spot speed study
 - e. Photographs of the study location
 - f. Crash Data
 - g. Delay Study
- iii. An intersection evaluation will be prepared to provide a clear picture of traffic, operations and to determine what measures can be implemented to produce a safer, traffic, pedestrian, bicycle movements at the location. Utilizing the raw data, our study will involve the following steps:
 - a. Capacity analysis
 - b. Analysis of crash data
 - c. Perform signal warrant and multi-way stop analysis.
- iv. If signalization is not warranted at the study intersection, other improvements will be evaluated including signing, marking and lighting upgrades, the need for safety improvements or geometric modifications.
- v. The findings of the intersection evaluation will be summarized and presented to the City in a letter. The letter will include all appropriate mapping, diagrams, photographs and analysis. Capacity/safety recommendations for the intersection will be presented.

Deliverables:

- a. *Traffic Signal Warrant Report*

2. *Traffic Signal Design*

Traffic signal design will consist of preparing construction documents including plans, specifications and estimates (PS&E) for the installation of a four-approach full color traffic control signal at the intersection. This will consist of:

- i. The Engineer shall prepare preliminary traffic signal design for the project location. The traffic signal design will be prepared based on TxDOT design standards & specifications plus the criteria outlined in the 2011 TMUTCD. The Engineer will prepare a conceptual layout showing the locations of the controller cabinet and signal poles. The conceptual layout will be utilized in a field review meeting with the City and the electric utility provider. Adjustments will be made based on field conditions.

Following the field review meeting, the plans will be revised and following internal quality control/quality assurance, plans will be provided to the City for review and comment.

3. *PS&E Plans*

The Engineer shall prepare:

- i. Proposed Signal Layout (60% and Final)
- ii. Signal Elevations (60% and Final)
- iii. Signal Electrical Wiring Details (Final)
- iv. Signal Phasing and Detection Schemes (Final)
- v. Sign and Pavement Marking Layout Sheets (60% and Final)
- vi. TxDOT Standard Details, or others, as applicable (60% and Final)

e. *Miscellaneous*

The Engineer shall prepare:

1. Construction Cost Estimate (60% and Final)
2. Construction Timeline Determination – The Engineer shall develop a construction schedule for incorporation in the construction documents (Final).

Deliverables:

- b. *60% PS&E Design Submittal*
- c. *Final PS&E Design Submittal*

Task 4: Bid Phase and Construction Phase Services

a. *Bid Phase Services*

The Engineer shall:

1. Prepare the Construction Project Manual and will attend a Pre-Bid Conference.
2. Develop and issue addenda, if required, to interpret, clarify or expand the bid

documents.

3. Tabulate bids and prepare a contract award recommendation letter.

b. Construction Phase Services

The Engineer shall:

1. Attend one Pre-Construction Meeting.
2. Site visits (4) prior to, during and upon completion of project to determine if work by the Contractor is proceeding in accordance with the Contract Documents. The Engineer shall not be required to make continuous onsite inspections to check the quality or quantity of work.
3. Review shop drawings for conformity to the plans, specifications, and special provisions. Procedures for shop drawing review include:
 - a. If the drawing is found to be in conformity, or an alternate design is adequate and acceptable, the drawing shall be marked "Review – No Exceptions Taken" with signature, date and statement that "Review is only for general conformance with the design concept of the contract documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the project plans and specification, nor departures therefrom. The Contractor remains solely responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabricating processes, for techniques of assembly, for safety and for satisfactory performance of work."
 - b. If there are only minor corrections, the incorrect information shall be crossed out and the correct information included next to the cross-out information. The submittal shall be returned marked "Reviewed – As Noted".
 - c. If the corrections are more significant and the Engineer does not concur with the information on the drawings, then the submittal shall be returned marked "Revised and Resubmit." The drawings must then be resubmitted for a second review.

4. Respond to Requests for Information (RFIs) related to the plans and specification as needed throughout the duration of construction (maximum of 10 RFIs).
5. Upon substantial completion, prepare a punch list outlining corrections and work that must be done before project acceptance. The Engineer will arrange a preliminary site inspection date with the appropriate personnel.
6. Prepare one set of reproducible as-built plans based on one (1) record copy of the project drawings labeled "Project Record" maintained by the Contractor. The Contractor shall submit the "Project Record" drawings to the Engineer at contract closeout.
7. Engineer will address agreed upon errors and/or omissions as necessary.

The City will furnish to the Engineer the following information and/or perform the following tasks for those items for which the City is offering to provide information on file, the City will endeavor to provide items requested by the Engineer that are readily retrievable and germane to the Project as determined by the City at its sole discretion. Any information supplied by the City to the Engineer will consist of a minimum of one copy in a format deemed appropriate by the City at its sole discretion.

1. Provide a Project Manager to serve as the primary point of contact for the Engineer for the Project.
2. Furnish all applicable data and correspondence the City may have on file for the project.
3. Provide as-built drawings, and right-of-way maps that the City may have on file.
4. Provide any existing survey data the City may have on file for the vicinity of the project.
5. Assist in obtaining information from local, regional, state, and federal agencies, as required.
6. Provide design criteria and approve design speed.
7. Provide timely reviews at predetermined milestones, decisions and directions necessary according to the agreed upon project schedule (Exhibit C).
8. Meet on an as needed basis to answer questions, provide guidance, and offer comment.
9. Provide venue, advertisement / notices, court reporter, materials, equipment, and other miscellaneous items, if required, associated with public involvement.
10. Promptly review invoices to City guidelines.
11. Provide CADD files of City Standard Drawings as available.
12. Provide available City GIS data.

Traffic Signal (#23-05E-002)						Work Schedule												Transportation Rotation List			
ID	Task Name	Duration	Start	Finish	Predecessors	Sep	Qtr 4, 2023				Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024	
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
1	City of Hutto - 23-05E-002 (Traffic Signal)	259 days	Fri 9/22/23	Mon 9/30/24																	
2	Task Order NTP	0 days	Fri 9/22/23	Fri 9/22/23		9/22															
3	Task 1: Project Management	128 days	Fri 9/22/23	Fri 3/29/24																	
4	Progress Bi-weekly Meetings and Reporting	128 days	Fri 9/22/23	Fri 3/29/24	2																
5	Task 2: Data Collection	5 days	Wed 9/27/23	Tue 10/3/23																	
6	Site Visit	1 day	Wed 9/27/23	Wed 9/27/23	2SS+3 days																
7	Collect and Review Project Data	4 days	Thu 9/28/23	Tue 10/3/23	6																
8	Task 3: Plans, Specifications, & Estimate	121 days	Tue 10/3/23	Fri 3/29/24																3/29	
9	Traffic Counts	3 days	Tue 10/3/23	Thu 10/5/23	7SS+3 days																
10	Traffic Count Preparation for Analysis	4 days	Fri 10/6/23	Wed 10/11/23	9																
11	Traffic Signal Warrant Analysis	12 days	Thu 10/12/23	Fri 10/27/23	10																
12	Traffic Signal Warrant Report	15 days	Mon 10/23/23	Fri 11/10/23	11SS+7 days																
13	Traffic Signal Warrant Report Submittal	1 day	Mon 11/13/23	Mon 11/13/23	12																
14	City of Hutto Review	5 days	Tue 11/14/23	Mon 11/20/23	13																
15	Traffic Signal Preliminary Design and Conceptual Layout	16 days	Tue 11/21/23	Fri 12/15/23	14																
16	Field Review Meeting with City and Electric Provider	4 days	Mon 12/18/23	Thu 12/21/23	15																
17	Develop 60% Plans	34 days	Tue 11/21/23	Wed 1/17/24	14																
18	Submit 60% Plans	1 day	Thu 1/18/24	Thu 1/18/24	17																
19	City of Hutto Review of 60% Plans	10 days	Fri 1/19/24	Thu 2/1/24	18																
20	Develop Final Plans	25 days	Fri 2/2/24	Thu 3/7/24	19																
21	Submit Final Plans	1 day	Fri 3/8/24	Fri 3/8/24	20																
22	City of Hutto Review of Final Plans	10 days	Mon 3/11/24	Fri 3/22/24	21																
23	Address Comments	5 days	Mon 3/25/24	Fri 3/29/24	22																
24	Task 4: Bid Phase and Construction Phase Services	124 days	Mon 4/1/24	Thu 9/19/24																	
25	Bid Phase Services	44 days	Mon 4/1/24	Thu 5/30/24	23																
26	Construction (after Utility Relocation if required)	80 days	Fri 5/31/24	Thu 9/19/24	25																
27	Task Order Termination (9/30/2024)	0 days	Mon 9/30/24	Mon 9/30/24	26FS+7 days															9/30	

Project: #23-05E-002

Traffic Signal (CR 164 & CR 108)

Date: Wed 9/13/23

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Page 1



Summary of Person-hours by Classification - (Traffic Signals - #23-05E-002)
Johnson, Mirmiran & Thompson, Inc. (JMT)

Description of Work or Task	Project Advisor \$396.71/Hr	Project Manager \$313.58/Hr	Senior Technical Advisor \$306.28/Hr	Senior Engineer \$247.94/Hr	Project Engineer \$195.44/Hr	Design Engineer \$169.18/Hr	EIT II \$131.26/Hr	EIT I \$121.35/Hr	Admin/ Clerical \$98.01/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 1: Project Management											
A. General Management	1	12				12			24	49	\$8,542.07
B. Project Coordination Meetings		36	2		12	36	12		36	134	\$25,440.68
C. Quality Assurance & Quality Control		2	2	8						12	\$3,223.24
Task 1 Hours:	1	50	4	8	12	48	12	0	60	195	
Task 1 Subtotal:	\$396.71	\$15,679.00	\$1,225.12	\$1,983.52	\$2,345.28	\$8,120.64	\$1,575.12	\$0.00	\$5,880.60		\$37,205.99
Task 2: Data Collection/Research											
A. Collect and Review Project Data		2			12	2	10			36	\$5,673.50
Task 2 Hours:	0	2	0	0	12	2	10	0	0	36	
Task 2 Subtotal:	\$0.00	\$627.16	\$0.00	\$0.00	\$2,345.28	\$338.36	\$1,312.60	\$0.00	\$0.00		\$5,673.50
Task 3: Plans, Specifications, & Estimates											
A. General										0	\$0.00
1. PS&E Title Sheet		1				1		6		8	\$1,210.86
2. Index of Sheets					1	1		4		6	\$850.02
3. General Notes		1				1		4		6	\$968.16
4 Quantity Summaries					2	1		20		23	\$2,987.06
B. Traffic Control										0	\$0.00
1. Standards						1		2		3	\$411.88
C. SW3P										0	\$0.00
1. EPIC Sheet						1		4		5	\$654.58
2. Standards						1		2		3	\$411.88
D. Traffic										0	\$0.00
1. Signal Warrant Study										0	\$0.00
a. Traffic Count					4		28			32	\$4,457.04
b. Traffic Signal Warrant Analysis			1		20		12			33	\$5,790.20
c. Signal Warrant Report		1	2		16		16			35	\$6,153.34
2. Traffic Signal Design										0	\$0.00
a. Conceptual Layout			1	1	8		8			18	\$3,167.82
b. Field Meeting		1			4	1				6	\$1,264.52
c. Preliminary Plan		1	2	1	24		16			44	\$7,964.80
3. PS&E										0	\$0.00
a. Proposed Signal Layout				2	16		8			26	\$4,673.00
b. Signal Elevations				1	8		4			13	\$2,336.50
c. Signal Electrical Wiring Details				1	8		4			13	\$2,336.50
d. Signal Phasing and Detection Schemes				1	8		4			13	\$2,336.50
e. Sign and Pavement Marking Layout Sheets				1	8		8			17	\$2,861.54
f. Standards					1		4			5	\$720.48
E. Miscellaneous										0	\$0.00
1. Construction Cost Estimate		1		1	2	1	8			13	\$2,171.66
2. Construction Timeline Determination		1		1	1	1	4			8	\$1,451.18
Task 3 Hours:	0	7	6	10	131	10	124	42	0	330	
Task 3 Subtotal:	\$0.00	\$2,195.06	\$1,837.68	\$2,479.40	\$25,602.64	\$1,691.80	\$16,276.24	\$5,096.70	\$0.00		\$55,179.52
Task 4: Bid Phase and Construction Phase Services											
A. Bid Phase Services	1	2	1	1	8	8	12		2	35	\$6,266.19
B. Construction Phase Services											
a. Pre-Construction Meeting		1		1	1	1			2	6	\$1,122.16
b. Site Visit (4)		1		1	12					14	\$2,906.80
c. Review shop drawings			1	8	24					33	\$6,980.36
d. RFIs (max. 10)		1	1	2	8		16			28	\$4,779.42
e. Punch List		1		1	4					6	\$1,343.28
f. As-builts		1		1	4		8			14	\$2,393.36
Task 4 Hours:	1	7	3	15	61	9	36	0	4	136	
Task 4 Subtotal:	\$396.71	\$2,195.06	\$918.84	\$3,719.10	\$11,921.84	\$1,522.62	\$4,725.36	\$0.00	\$392.04		\$25,791.57
JMT SUMMARY	\$793.42	\$20,696.28	\$3,981.64	\$8,182.02	\$42,215.04	\$11,673.42	\$23,889.32	\$5,096.70	\$6,272.64	697	\$123,850.58



ADDENDUM TO TASK ORDER #23-05E-002

By my signature below, I hereby certify and verify that the Master Services Agreement for Johnson, Mirmiran & Thompson Inc., Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Johnson, Mirmiran & Thompson Inc.

By:

A handwritten signature in blue ink, appearing to read 'K Flagg'.

Print Name: Kristi Flagg, PE

Title: Senior Vice President

AGENDA ITEM REPORT

11.13.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-245 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$65,000 for the Trails Master Plan project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The City of Hutto desires to create a comprehensive trails master plan for the city analyzing both city-wide and regional connectivity opportunities. The Landscape Architect will develop an overall vision for the trail network and guide decision-making for investment in the trail system. The Landscape Architect will develop a plan utilizing information provided by the City in addition to a public engagement process. The Landscape Architect understands that the desired outcomes from this project include: • Provide a comprehensive trails master plan. • Provide an update to the public through 2 public meetings and 1 stakeholder meeting. • Receive approval from the City Council, Parks Board, and other related agencies and stakeholders.

The purpose of this item is to award an Individual Project Order (IPO) to Clark Condon Associates, Inc. as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

AGENDA ITEM REPORT

11.13.



STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$65,000. There have been no encumbrances to date for this project. Awarding this IPO will utilize the entire budget for this project in FY 2024.

ATTACHMENTS:

1. 20230922 CCA Resolution for Trails Master Plan V2
2. Exh A Task Order_Architecture_Clark Condon_MSA 23-10B-004_Trails MP Proposal
3. Task Order Addendum - Certification and Verification HB 1295,No Boycott-#23-010B-004

RESOLUTION NO. R-2023-245

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN CLARK
CONDON ASSOCIATES, INC. AND THE CITY OF HUTTO
IN THE AMOUNT OF \$65,000 FOR THE TRAILS MASTER
PLAN PROJECT; AUTHORIZING THE CITY MANAGER
TO EXECUTE THE TASK ORDER; PROVIDING PROPER
NOTICE & MEETING, AND PROVIDING AN EFFECTIVE
DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Clark Condon Associates, Inc. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Clark Condon Associates, Inc., in the amount of \$65,000 for services related to the Trails Master Plan Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Clark Condon Associates, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Clark Condon Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010B-004

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010B-004: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: CLARK CONDON ASSOCIATES, INC.

Specific Project (title): Trails Master Plan

- 1) Scope of services for Landscape Architectural services will include the following field services:
 - a. Comprehensive trails master plan
 - b. Updates to the public through public and stakeholder meetings

2. Fee: NTE \$65,000.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010B-004} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: Mary Keilers

Title: _____ Title: Innovation and Research Principal

September 13, 2023

Patricia Davis
CIP Engineer
City of Hutto
500 W Live Oak St
Hutto, TX 78634

Re: City of Hutto Trails Master Plan (#23-010B-004)

Dear Patricia,

We are pleased to make this proposal for professional services to prepare a Trails Master Plan Update for the City of Hutto. For the purposes of this proposal, you will be referred to as the Client and Clark Condon Associates, Inc. as the Landscape Architect.

SCOPE – The City of Hutto desires to create a comprehensive trails master plan for the city analyzing both city-wide and regional connectivity opportunities. The Landscape Architect will develop an overall vision for the trail network and guide decision-making for investment in the trail system. The Landscape Architect will develop a plan utilizing information provided by the Client in addition to a public engagement process. The Landscape Architect understands that the desired outcomes from this project include:

- Provide a comprehensive trails master plan.
- Provide an update to the public through 2 public meetings and 1 stakeholder meeting.
- Receive approval from the City Council, Parks Board, and other related agencies and stakeholders.

The Landscape Architect will address these requirements and issues in a comprehensive manner and will deliver a document that provides guidance on decisions facing the city. This comprehensive planning effort will address short-term and long-term requirements in a financially sustainable and achievable manner. The following work plan presents the detailed scope of services for meeting the needs of the Client.

The Landscape Architect shall incorporate information provided by the Client into the updated plan. The Landscape Architect will communicate directly with the City's Director of Parks and Recreation who will assist with obtaining documents, scheduling meetings, and facilitating meeting space. It is understood that the schedule for the trails master plan will align with the schedule for the parks master plan.

Responsibility of the City

The Client will provide the following items to facilitate the master plan update process:

- Provide GIS Data including but not limited to existing waterways, easements, roadways, trails, parks, city properties, etc.
- Schedule presentations to City Council & the Parks Board.
- Assist with the public engagement process including:
 - Scheduling, advertising, and providing a location for 2 public meetings
 - Collecting data through social, print, digital, or written platforms.
 - Collecting data through internal and external events.
 - Facilitate collaboration with ISD, Parks Board, Council, School Board and other relevant stakeholders

Master Plan

Task 1 – Project Kick-Off/Communications

The Landscape Architect will facilitate a kick-off meeting with the Parks and Recreation Department (PARC). The meeting will confirm project goals, objectives, and expectations. Detailed steps of this task include:

- I. **Kick-off Meeting** – Conduct a virtual meeting to present and discuss the following:
 - A. The project goals, objectives, scope, and schedule will be confirmed.
 - B. Discuss expectations of the completed project.
 - C. Confirmation of lines of communication, points of contact, level of involvement of City leaders and PARD, and other related project management details. Also, protocols and procedures for scheduling meetings should be agreed upon.
- II. **Data Collection** – The Landscape Architect will collect, log, and review key data and information necessary to develop the master plan. To the extent this information is in the custody of the Client, they will provide the Landscape Architect with said information prior to the Landscape Architect beginning its work.

Task 2 – Community/Stakeholder Input

The success of this master plan update will be based on community and stakeholder input. The Landscape Architect will work with the PARD to identify stakeholders, gather input, and disseminate information to help gain consensus on key strategies of the plan. Specific tasks include:

- I. **Stakeholder Meeting** - The PARD and Parks Board will work with the Landscape Architect to schedule one in-person meeting with key stakeholders. The purpose of these meetings is to evaluate a vision for a trail master plan in the city, key issues, strengths, and weaknesses of the existing trail system. A second meeting toward the end of the project will be conducted virtually to review with key stakeholders the major findings of the master plan. It is anticipated that the stakeholder meetings will address both the parks and trails master plans concurrently in lieu of conducting multiple meetings for each project.
- II. **Public Meetings** – The Landscape Architect will attend a total of two public meetings to present information and gather feedback from citizens at large. It is anticipated that the public meetings will address both the parks and trails master plan and there will not be multiple meetings for each project.
 - A. The Client will be responsible for providing the locations and advertising the public meetings.
 - B. The Landscape Architect will conduct the initial public meeting to gather input from the citizens and will conduct a second meeting toward the end of the project to review with the citizens the major findings of the master plan update.
- III. **Online Survey** – An online survey will be created to gather additional feedback from those who are unable to attend the public meetings. The Client will be responsible for advertising the online survey. It is anticipated that there will be one survey for both the parks and trails master plan.
- IV. **Deliverable** - The Landscape Architect shall review findings in a virtual meeting with the Client showing the results of the services performed under Task 2. The Landscape Architect shall incorporate the Client's comments and the findings into the master plan as part of Task 5.

Task 3 – Site Analysis

The Landscape Architect will perform the following tasks including assessment of connectivity opportunities. This assessment will support the overall recommendations for a trails master plan.

- I. **Site Analysis** – The Landscape Architect will collect from the Client and review the existing planning documents and prepare a summary analysis of recommendations and key data elements that will have an impact on the plan. Any recommendations for modifications will be made at the end of the project.
 - A. Evaluate existing trails and identify trail opportunities. Site analysis will include the following items:

- a. Floodwater control structures, such as stormwater outfalls, weirs, slope paving, etc.
- b. Significant topography.
- c. Bridge and railroad crossings.
- d. Habitat preservation and enhancement.
- e. Identify opportunities for art, site furnishings, trailheads, trail character, and strategies for signage and wayfinding.
- f. Potential connections with schools, libraries, retail destinations, county and city facilities, and parks.
- g. Potential links to other adjacent trail systems existing or planned by municipalities, HOAs, and MUDs.
- h. Potential links to existing open space.
- i. Look for expanded open space opportunities such as the acquisition of additional pedestrian easements through existing drainage and utility easements.
- j. Design options will consider the successful accommodation of different user groups, bikes, and pedestrians, including safety considerations and recommendations on best practices.
- A. The Landscape Architect shall review with the Client a draft site analysis summary showing the results during a virtual meeting performed under this subtask. The Landscape Architect shall incorporate the Client's comments into the final Task 5.

Task 4 – Trail Alignment Recommendations

- I. **Preliminary Trail Alignments** – The Landscape Architect will develop preliminary alignments based on the findings from the site analysis. Order of magnitude cost estimates and phasing will be prepared to inform prioritization decisions. The Landscape Architect shall review this information with the Client in an in-person meeting. The preliminary alignments will be updated to incorporate all Client comments in preparation for the first public meeting.
- II. **Final Trail Alignments** – The Landscape Architect will synthesize the findings from the community input and survey results to create a refined trail alignment with trail segment prioritization. The refined alignments and prioritization shall be reviewed with the Client. The Landscape Architect shall update trail alignments incorporating Client comments for presentation to the community at the final public meeting. The public comments will be synthesized and reviewed with the Client prior to final updates to the alignment being made. The Landscape Architect shall incorporate the Client's comments into the final Task 5.

Task 5 – Final Master Plan

Consider the findings and analysis from all previous tasks the Final Master Plan will develop. The tasks necessary to develop the master plan follows:

- I. **Draft Master Plan** – The Landscape Architect will prepare a Master Plan. The plan will take into account all analyses performed and consider the fiscal and operational impacts on the Client. The Landscape Architect will prepare a final summary plan for Client review in PDF format.
- II. **Meetings** – The Landscape Architect will present a final Master Plan to the Parks and Recreation Department.
- III. **Final Master Plan and Council Meeting** – Upon completion of meetings, the Landscape Architect will provide the Client with the needed materials for a presentation to the City Council including the final Master Plan and Executive Summary. The Client will present the Plan to the City Council for their approval. The Landscape Architect will attend the Council Meeting and support the Client as necessary in the presentation of the final plan. The final deliverable will be provided electronically in PDF format.

FEE - The total fee for this project is a lump sum based upon the estimated time for professional services, plus reimbursable expenses, and will include the following tasks:

Task I – Project Kick-Off/Communications	\$4,000.00
Task II – Community/Stakeholder Input	\$7,500.00
Task III – Site Analysis	\$8,500.00
Task IV – Trail Alignment Recommendations	\$17,000.00
Task V – Final Master Plan	<u>\$21,500.00</u>
TOTAL	\$58,500.00
Estimated Reimbursables	\$6,500.00
GRAND TOTAL	<u>\$65,000.00</u>

REIMBURSABLE EXPENSES - The Client shall pay the Landscape Architect for the cost of out-of-town travel expenses, messenger, mileage, printing, services of professional consultants which cannot be quantified at the time of contracting, and other directly related costs. All expenses will be billed to a maximum of \$6,500.

ADDITIONAL SERVICES - Additional services, if requested by the Client, will be considered extra services. An additional services lump sum proposal will be submitted to the owner for approval prior to the start of any out-of-scope work.

HOURLY RATES

Partner	\$350.00/hour
Principal	\$225.00/hour
Senior Associate	\$175.00/hour
Associate	\$125.00/hour
Project Staff	\$100.00/hour
Administrative	\$90.00/hour

Hourly rates will be reviewed annually and may be increased in accordance with annual salary and cost-of-living reviews.

EXCLUSIONS TO THE CONTRACT

1. Surveying services.
2. Civil engineering services.
3. Printing of flyers, handouts, and yard signs required for public engagement.
4. Printing and binding of final report.

Trails Masterplan
9/13/23
IPO 23-10B-004

ID	Task Name	Duration	Start	Finish
1	Project Kick-off	20 days	Thu 10/5/23	Wed 11/1/23
2	Project Start up & Kick-Off Meeting	1 wk	Thu 10/5/23	Wed 10/11/23
3	Data Collection	3 wks	Thu 10/12/23	Wed 11/1/23
4	Task 2 - Community / Stakeholder Input	102 days	Thu 12/14/23	Fri 5/3/24
5	Stakeholder Meeting Prep & Public Meeting Advertisement	6 wks	Thu 12/14/23	Wed 1/24/24
6	Stakeholder Meeting	1 wk	Thu 1/25/24	Wed 1/31/24
7	Public Meeting 1	1 wk	Thu 2/15/24	Wed 2/21/24
8	Online Survey	8 wks	Thu 2/15/24	Wed 4/10/24
9	Public Meeting 2	1 wk	Mon 4/29/24	Fri 5/3/24
10	Task 3 - Site Analysis	20 days	Thu 11/2/23	Wed 11/29/23
11	Site Analysis	4 wks	Thu 11/2/23	Wed 11/29/23
12	Recommended Trail Alignments	122 days	Thu 11/30/23	Fri 5/17/24
13	Preliminary Trail Alignments	6 wks	Thu 11/30/23	Wed 1/10/24
14	Client Review	2 wks	Thu 1/11/24	Wed 1/24/24
15	Prep for 1st Public Meeting	3 wks	Thu 1/25/24	Wed 2/14/24
16	Refine Trail Alignment	5 wks	Thu 2/15/24	Wed 3/20/24
17	Client Review 2	2 wks	Thu 3/21/24	Wed 4/3/24
18	Prep for 2nd Public Meeting	3 wks	Thu 4/4/24	Wed 4/24/24
19	Develop Final Trail Alignments & Prioritization	2 wks	Mon 5/6/24	Fri 5/17/24
20	Task 5 - Final Masterplan	90 days	Thu 2/29/24	Wed 7/3/24
21	Draft Masterplan	12 wks	Thu 2/29/24	Wed 5/22/24
22	Client Review of Masterplan	2 wks	Thu 5/23/24	Wed 6/5/24
23	Final Masterplan Edits	3 wks	Thu 6/6/24	Wed 6/26/24
24	Present Final Plan to Council	1 wk	Thu 6/27/24	Wed 7/3/24



ADDENDUM TO TASK ORDER # 23-010B-004

By my signature below, I hereby certify and verify that the Master Services Agreement for On Demand Services Landscape Architecture Rotation List, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Clark Condon Associates, Inc.

By:

A handwritten signature in blue ink that reads "Elizabeth Gilbert". The signature is written in a cursive, flowing style.

Print Name: Elizabeth Gilbert
Title: Managing Principal

AGENDA ITEM REPORT

11.14.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-235 authorizing the City Manager to execute an Individual Project Order (IPO) with LJA Engineering in the amount of \$50,877.00 for the Downtown Elevated Tank Rehabilitation project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-199 regarding Rotation List for Utility Engineering professional services with five consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The project includes, but is not limited to, surface preparation and coating application on the exterior and interior surfaces and piping and valves. This turnkey project requires complete rehabilitation of the tank and the supporting structure. Essentially, the project will provide for the full removal and replacement of the interior and exterior coatings.

The purpose of this item is to award an Individual Project Order (IPO) to LJA Engineering as an approved consultant of the City's selected firms on the Utility rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

AGENDA ITEM REPORT

11.14.



FISCAL NOTES:

There is no funding for this project. It is expected that the City will issue 2024 Certificates of Obligation for all unfunded Water and Wastewater projects. This project is included in the FY24 Capital Improvement Plan.

ATTACHMENTS:

1. 20230928 LJA Resolution for Tank Rehab v2
2. Exh A Task Order_Utility_LJA_MSA 23-06E_Downtown Elev Strge Tank Recoat Rehab
3. Task Order Addendum - Certification and Verification HB 1295No Boycott-LJA DT EST Rehab

RESOLUTION NO. R-2023-235

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN LJA
ENGINEERING AND THE CITY OF HUTTO IN THE
AMOUNT OF \$50,877.00 FOR THE DOWNTOWN
ELEVATED TANK REHABILITATION PROJECT;
AUTHORIZING THE CITY MANAGER TO EXECUTE THE
TASK ORDER; PROVIDING PROPER NOTICE &
MEETING, AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected LJA Engineering to be included as part of the Utilities rotation list; and

WHEREAS, the City Council desires to execute a task order with LJA Engineering in the amount of \$50,877 for services related to the Downtown Elevated Tank Rehabilitation Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with LJA Engineers in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by LJA Engineering; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-006E-001

Proposed UTILITIES ROTATION LIST

In accordance with Agreement for On Demand Services Utilities Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-006E-001: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: LJA ENGINEERING

Specific Project (title): Downtown Elevated Tank Rehabilitation

- 1) Scope of services for Re-coating of Downtown Elevated Tank will include the following field services:
 - a. Project Management and Communication
 - b. Preliminary Engineering
 - c. Plans, Specifications and Estimate
 - d. Bid Phase Services
 - e. Construction Phase Services
 - f. Reimbursable

2. Fee: NTE \$50,877.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-006E-001} is September 21, 2023.

OWNER:

By: _____

CONSULTANT:

By:  _____

Print Name: _____

Print Name: Brian Young

Title: _____

Title: Vice President of CTI Public Works

Exhibit A

**Engineer's Services for
Downtown Elevated Tank Rehabilitation Project**

County: Williamson
PS&E Limits: Downtown EST Site.

As requested, we are pleased to provide this proposal for engineering services associated with the preparation of construction plans and specifications for the 100k Gal Downtown Elevated Tank Rehabilitation (re-coating) Project.

The Engineer will develop the following project package:

1. Preparation of plans and specifications for the recoating of the Downtown elevated storage tank.

This project will generally include:

TASK 100 – PROJECT MANAGEMENT AND COMMUNICATION

The Engineer will perform:

100.1. Develop a Project Management Plan

Develop a Project Management Plan that establishes all the responsibilities and roles of the team members, including the prime firm and subs. The plan will also detail the procedure process for all submittals, QAQC and project communication protocols.

100.2. Invoicing, Contract Document Coordination, Progress Reports

Project and Task Order creation

Prepare monthly invoices for all requests for payment

Prepare monthly progress reports and send with invoice to City via e-mail.

100.3. Meetings

Prepare meeting agenda and sign in sheets

LJA Engineering will have pre-design (kickoff) meeting with City of Hutto PM.

The purpose of the Kick-off Meeting is to assemble all the members of the City and consulting team staffs to make sure the direction and coordination of the project is well-understood. The following topics will be reviewed at the meeting:

- Introductions of City staff and Consultants
- Reporting relationships and contact information
- Goals and Objectives of the Project
- Scope and data needs/availability
- Schedule, budget and deliverables

Milestone Meetings will be held for each of the following submittals: 90%, and 100% PS&E.

These meetings will include City of Hutto, and the Engineer's staff and are estimated to last up to 1 hours. Engineer will provide minutes following each meeting.

Provide monthly Progress updates throughout the project to City of Hutto PM via email. Provide Exhibits if required.

Downtown Elevated Tank Rehabilitation Project

100.4. Management and Coordination

Manage Sub Consultants

- Monitor and supervise sub consultant activities.
- Review and approve sub consultant invoices.
- Review all work products prepared by sub consultants

Coordination with the City throughout the PS&E development

Deliverables

- Monthly invoice and progress report-documentation.
- Project Schedule

TASK 200 – PRELIMINARY ENGINEERING

The Engineer will review and confirm existing data to summarize and support the development of Plans, Specifications, and Estimate for the construction of Project. The Engineer will:

Field Reconnaissance

- At various times throughout the detailed design process, the Engineer will conduct site visits to collect data at tank site, as well as other engineering aspects, and collect additional photography of existing conditions. For the purposes of estimating the effort for this task, it is assumed that the design team will conduct two (2) site visit using two (2) personnel.
- Review all existing as-builts;
- Structural Assessment
- Tank Inspection - See STW Inspection Proposal

TASK 600 – DESIGN SERVICES (PS&E)

The Engineer will develop the following plan sheets for rehabilitating the Downtown Elevated Storage Tanks. All PS&E sheets will be 11" x 17".

The basis for the design criteria will be the recommendation of the tank inspection. Should any relevant criteria change during the design process the City will be informed.

600.1. Elevated Storage Tank

Prepare Site Plan Exhibit

Prepare Standard Construction Details

Prepare a list of Tank Specifications and Shrouding for the project.

Construction estimates for the Downtown Elevated Storage Tank.

- Develop a construction estimate for 90% and 100% Submittals. The estimate will be in Microsoft Excel spreadsheet format, reflect COA, and other recent local bid items and descriptions, and contain all major items that will likely be on the project. The estimate will contain all major items that will likely be on the project (Current unit bid prices, with a reasonable adjustment for inflation to the anticipated bid opening date, will be used in preparation of the estimates).

Downtown Elevated Tank Rehabilitation Project

600.2. QA/QC & Milestone Comment Resolution

The Engineer will perform PS&E QA/QC & Comment Resolution at 90, 100%

- PM will maintain documentation of the reviews and it will be made available to the City at their request. All submittals will include a red line set if requested.
- Compile and provide responses to City review comments at each submittal

600.3. Permitting

Submit site plan to the City of Hutto

Submit plans to Texas Commission on Environmental Quality (TCEQ)

Deliverables

The following will be provided for each design phase:

- Construction Plan and Specifications Submittals (75%, 100%)
- Engineers Opinion of Probable Construction Costs (75%, 100%)
- Hard Copy Submittals – The Engineer will provide to the City, 2 copies of plans and specifications (75%, and 100%).
- Submittals – 75%, and 100% submittals - Comments and revisions requested at the review meetings will be incorporated into the plans for the subsequent submittal.

TASK 700 – BID PHASE SERVICES

The Engineer will assist the City of Hutto throughout the Bid Phase of the project including:

Assist the City with Contract advertisement for the Project including preparation of notice and arranging for placement of the advertisement in appropriate newspapers and other media as required. Fees for the advertising will be paid directly by the City and are not included within this Contract.

Conduct a pre-bid conference.

Answer bidder's questions

Prepare addendum (up to 2)

Conduct the bid opening.

Prepare the bid tabulation and provide the City with a recommendation of award.

Assist the City in execution of the construction contract.

TASK 800 – CONSTRUCTION PHASE SERVICES

The Engineer will:

Conduct preconstruction meeting

Site visits (2 per month)

Answer RFI's

Review and approve submittals

Conduct construction meetings

○ Prepare meeting minutes

Change Orders (up to 2)

○ Review change orders after approved by inspector

○ Create and process change orders (if necessary)

Assist in pay application review

Conduct final inspection/system start-up

Coordinate with city inspector and contractor

SUBCONSULTANTS

STW Inspection. (Tank Inspector) – See attached scope

Initial inspection of tanks

Construction inspection

COMPENSATION

The compensation for these items of work will be as follows. See Exhibit C for a breakdown of costs.

<u>Task</u>	<u>Description</u>	<u>Basis of Fee</u>
100	Project Management and Communication	Lump Sum
200	Preliminary Engineering	Lump Sum
600	Plans, Specifications and Estimate	Lump Sum
700	Bid Phase Services	Lump Sum
800	Construction Phase Services	Lump Sum
Z99	Reimbursable	Lump Sum

The compensation will be billed on a lump sum basis for all tasks. Any services requested by the Client not included above will be provided on a time and materials basis as requested by Client.

UNDERSTANDING OF WORK

- The owner will acquire any environmental assessments, endangered species survey, 10-A permits etc., if required to process the application.
- Any substantial changes initiated by the client once engineering services begin may require additional services.
- The fees do not include reimbursable expenses for application fees or review fees. Reimbursable items will be billed in accordance with the engineering services agreement.
- The fees for testing lab geotechnical engineering are not included in this proposal.
- The fees for geotechnical engineering are not included in this proposal.
- The work does not include design of city LOGO.
- The owner will acquire any required easement(s) for the proposed alignment.

THIS SCOPE DOES NOT INCLUDE THE FOLLOWING ITEMS:

- Environmental Investigation and Reporting Services
- Environmental Assessment. It is assumed that all environmental concerns have been addressed.
- Geotechnical Investigation and Reporting Services
- Utility Coordination
- Drainage Design
- SUE
- ROW/Easement Negotiation and/or Acquisition Services
- Construction Material Testing
- Preliminary Engineering Report
- Topographical or Boundary Survey Services
- Means and Methods of Construction.
- Design of SCADA system

September 10, 2023

Stuart Cowell, P.E.
LJA Engineering
2700 La Frontera Blvd. Suite 150
Round Rock, Tx 78681

Re: City of Hutto, engineers evaluation and construction rehabilitation
inspections of an elevated storage tank

Schedule A
Scope of Services

Consultant, Clark D. Northup, shall provide a construction inspection as outlined in AMPP & AWWA Manual for Corrosion in the City of Hutto and LJA Engineering, one elevated storage tank; in Hutto Texas. Additionally, the construction inspections will consist of pre-construction with the welders and painters, delivery of materials, fabrication and installation, containment, interior and exterior, per-surface cleaning, interior and exterior blasting, removal of visible and invisible contaminants, interior and exterior prime coatings, intermediate coatings, final coatings, jobsite clean-up, consultations, and meetings. Providing a summary of findings, including items of correction and photographs to LJA Engineering. (LJA). Consultant, Clark D. Northup, will review final report prepared by LJA, and provide comments to clarify observations and recommendations made. Consultant, Clark D. Northup, will

review specifications prepared by LJA that describe the work to be performed by the contractor.

Schedule B

In consideration for the services to be performed under this subcontract, Consultant, Clark D. Northup, shall be paid in at a rate of \$505.00 a visit and not to exceed \$15,135.00. The amount will not be exceeded without prior written approval from LJA. LJA will pay for services invoiced under this agreement within 15 days of being paid for those services by the Owner.

I. Elevated Storage Tank

A. Preliminary inspection and design scope \$1,500.00

B. Review, edit specifications and drawings

C. Construction Inspection services

Welding Repairs
Approx. (2) site visits \$1,010.00

Abrasive blast interior and exterior
Approx. (11) site visits \$5,555.00

Prime interior and exterior
Approx. (3) site visits \$1,515.00

Intermediate coating interior and exterior
Approx. (4) site visits \$2,020.00

Intermediate and Final coating on interior and exterior
Approx. (4) site visits \$2,020.00

Interior Holiday Test
Approx. (1) site visits \$505.00

Meetings and Miscellaneous
Approx. (2) site visits \$1010.00

Total for the EST

\$15,135.00

Please do not hesitate to contact me.
Sincerely,

Clark D. Northup
STW & Inspections

A handwritten signature in blue ink, appearing to read "Clark D. Northup", is positioned below the typed name. The signature is fluid and cursive, with the first name "Clark" being more prominent.

Exhibit B

**Owner's Responsibilities for
Downtown Elevated Tank Rehabilitation Project**

The City will perform the following:

- Promptly execute contract documents and amendments as necessary so as not to delay the prosecution of work.
- Promptly review and process all requests for payment.
- Prompt plan review of all interim and milestone deliverables
- Assist with Right of Entry for all properties, if needed
- Provide Construction Easement Acquisition Services, if needed
- Provide all public involvement and coordination with landowners

EXHIBIT C-FEE SCHEDULE - LJA ENGINEERING, INC.

Project: Re-Coating of Downtown Elevated Storage Tank

TASK	FEE	HOURS
TASK 100 – PROJECT MANAGEMENT AND COMMUNICATIONS	\$6,735.00	37
TASK 200 – PRELIMINARY ENGINEERING	\$3,980.00	16
TASK 600 – PLANS, SPECIFICATIONS, AND ESTIMATE	\$11,465.00	54
TASK 700 – BID PHASE SERVICES	\$4,395.00	21
TASK 800 – CONSTRUCTION PHASE SERVICES	\$8,090.00	35
SUBCONSULTANT - STW INSPECTIONS	\$15,135.00	
OTHER DIRECT EXPENSES	\$1,077.00	
TOTAL	\$50,877.00	163

Exhibit C: TO#1 Re-Coating of Downtown Elevated Storage Tank						
TASK DESCRIPTION		Principal	Senior PM/ Engineer	Project Engineer	Administrative Assistant	Total Labor Hrs & Costs
		\$285.00	\$270.00	\$185.00	\$85.00	
		HOURS	HOURS	HOURS	HOURS	HOURS
TASK 100 – PROJECT MANAGEMENT AND COMMUNICATION						
100.1	Project Management Plan					
	Prepare and Maintain Project Management Plan		1			1
100.2	Invoicing, Contract Document Coordination, Progress Reports					
	Project Creation and Task Order Creation				1	1
	Prepare monthly invoices for all requests for payment				6	6
	Prepare monthly progress reports				6	6
	City Coordination			3		3
100.3	Meetings					
	Prepare Agenda and Sign-in Sheets			3		3
	Kickoff Meeting		2			2
	Milestone Meetings (75%, 100% design)		4	4		8
	Monthly Progress Updates		4			4
100.4	Management of Subconsultants					
	STW Inspection (Tank Inspection)		3			3
TASK 100 SUB TOTAL HOURS		0	14	10	13	37
TASK 100 SUB TOTAL FEE		\$0.00	\$3,780.00	\$1,850.00	\$1,105.00	\$6,735.00
TASK 200 – PRELIMINARY ENGINEERING						
	Field Reconnaissance		4	4		8
	Structural Assessment		8			8
TASK 200 SUB TOTAL HOURS		0	12	4	0	16
TASK 200 SUB TOTAL FEE		\$0.00	\$3,240.00	\$740.00	\$0.00	\$3,980.00
TASK 600 – PLANS, SPECIFICATIONS, AND ESTIMATE						
600.1	RE-COATING OF DOWNTOWN EST					
	Site Plan Exhibit		1	4		5
	Standard Construction Details		1	1		2
	Technical Specifications and Shrouding	2	8	20		30
	Engineer’s Opinion of Probable Construction Costs		3			3
600.2	QA/QC & Milestone Comment Resolution					
	Respond to City 75% comments		1	3		4
	Respond to City 100% comments		1	3		4
	Respond to TCEQ comments			1		1
600.3	Permitting					
	Permitting - Site			3		3
	Permitting - TCEQ			2		2
TASK 600 SUB TOTAL HOURS		2	15	37	0	54
TASK 600 SUB TOTAL FEE		\$570.00	\$4,050.00	\$6,845.00	\$0.00	\$11,465.00
TASK 700 – BID PHASE SERVICES						
	Prepare All Applicable Construction Documents For Bidding			2		2
	Advertisement			1		1
	Attend Pre-Bid Conference		2	2		4
	Respond to Bidder’s Questions			1		1
	Prepare Project Addenda (Up to 2)			1		1
	Bid Opening		2	2		4
	Analyze Contractor Bids, Prepare Bid Tabulation, Produce Recommendation Letter		1	2		3
	Construction Contract Assistance		1	4		5
TASK 700 SUB TOTAL HOURS		0	6	15	0	21

Exhibit C: TO#1 Re-Coating of Downtown Elevated Storage Tank					
TASK DESCRIPTION	Principal	Senior PM/ Engineer	Project Engineer	Administrative Assistant	Total Labor Hrs & Costs
	\$285.00 HOURS	\$270.00 HOURS	\$185.00 HOURS	\$85.00 HOURS	HOURS
TASK 700 SUB TOTAL FEE	\$0.00	\$1,620.00	\$2,775.00	\$0.00	\$4,395.00
TASK 800 – CONSTRUCTION PHASE SERVICES					
Attend Preconstruction Conference		1			1
Site Visit (2 per month)		10			10
RFIs			2		2
Shop Drawing Review and approval			2		2
Construction meetings (5)		5			5
Assist in pay application review			5		5
Change Orders/Design Changes (up to 2)			4		4
Coordination with Contractor/Inspector			3		3
System Start Up/Final Inspection		1			1
Prepare Close-out Documents		2			2
TASK 800 SUB TOTAL HOURS	0	19	16	0	35
TASK 800 SUB TOTAL FEE	\$0	\$5,130	\$2,960	\$0	\$8,090
TOTAL Project Tasks					
TOTAL HOURS	2	66	82	13	163
TOTAL FEE	\$570.00	\$17,820.00	\$15,170.00	\$1,105.00	\$34,665.00
Subconsultants					
STW Inspection (Tank Inspection)					\$15,135.00
Project Totals					
LJA ODC					\$1,077.00
PROJECT TOTAL					\$50,877.00

Notes
Does not include LOGO design.

LJA'S OVERHEAD DIRECT COSTS			
DIRECT REIMBURSABLE EXPENSES	Rate	Quantity	Cost
Lodging/Hotel	\$85.00		\$0.00
Meals	\$25.00		\$0.00
Mileage	\$0.730	900	\$657.00
Rental Car	\$45.00		\$0.00
Standard Postage	\$0.42		\$0.00
Overnight Mail - letter size	\$16.00		\$0.00
Overnight Mail - oversized box	\$40.00		\$0.00
Courier Services (Deliveries)	\$60.00		\$0.00
CADD Plotting (per SQ/FT)	\$1.50		\$0.00
Photocopies B/W (8.5 X 11)	\$0.10	3000	\$300.00
Photocopies B/W (11 X 17)	\$0.20		\$0.00
Photocopies Color (8 X 10)	\$0.75		\$0.00
Photocopies Color (11 X 17)	\$1.50		\$0.00
Blueline/Blackline Prints (11" X 17")	\$0.20		\$0.00
Blueline/Blackline Prints (22" X 34")	\$0.50		\$0.00
Plots (B/W on Bond)	\$0.25		\$0.00
Plots (Color on Bond)	\$2.00		\$0.00
Plots (Color on Photographic Paper)	\$5.50		\$0.00
Mylar (11" X 17")	\$3.00		\$0.00
Traffic Control for Subs	\$2,000.00		\$0.00
CD Archive	\$1.50		\$0.00
TCEQ Sewage Collection System Filing Fee	\$6,500.00		\$0.00
TDLR Registration and Inspection	\$1,450.00		\$0.00
City of Austin Permitting (DSD and QMD)	\$1,523.20		\$0.00
City of New Braunfels Permit(s)	\$4,200.00		\$0.00
Flood plain Permit	\$300.00		\$0.00
Tree Permit	\$110.00		\$0.00
CIVCAST Advertisement	\$120.00	1	\$120.00
	TOTAL DIRECT COSTS		\$1,077.00

**ATTACHMENT B
HOURLY RATE SCHEDULE
FOR COMPENSATION, BILLING AND PAYMENT**

	2023 Rate
Project Principal	285
Senior Project Manager	270
Project Manager	250
Quality Manager	240
Senior Engineer	235
Project Engineer	185
Design Engineer	170
Graduate Engineer	145
Senior Designer	155
Designer	120
Engineer-in-Training	145
Senior Structural Engineer	235
Structural Engineer	210
Senior Engineering Technician	155
Senior CADD Operator	135
CADD Technician	110
Project Representative	130
Utility Coordinator	140
Senior Utility Coordinator	170
GIS Analyst/Cartography	140
GIS Technician	125
Admin	85

Reimbursable Expenses

Reproduction, telephone, out-of-town travel expenses, and other non-labor charges directly related to the Project will be billed at cost in addition to the fees agreed upon for Services rendered. Vehicle other than survey / Project representative will be charged at the current IRS mileage rate per mile. Survey / Project representative vehicle mileage will be charged at a rate of \$0.73 per mile. Filing fees, permit fees, and other special charges which are advanced on behalf of the Client will be billed on a similar basis plus a 10% service charge.

Payments

Billings for Services rendered will be made monthly and payment is requested within fifteen (15) days of receipt of invoice. Unless special arrangements are made, a finance charge of one and one half percent (1.5%) per month will be added to unpaid balances more than thirty (30) days old as well as any costs of collection, including attorney's fees. LJA reserves the right to suspend work should invoices not be paid within the stated terms. Client affirms that the Services to be provided by LJA should not be subject to the addition of any sales tax, value added tax, stamp duty, wage withholding, or similar tax or withholding, including at the source of payment, and as such, requests that LJA not add any such taxes to its invoices. If applicable, Client shall provide LJA with appropriate exemption certificates. The amount of any excise, VAT, or gross receipts tax that may be imposed for professional services shall be added to the compensation as determined above. In the case where Client is obliged to make any deduction or withholding on account of any such addition, the amount paid to LJA by Client for any invoice shall be grossed up to the amount of the invoice so that any fees and other sums payable to LJA are not subject to such taxes.

This Rate Schedule is subject to annual change at LJA's discretion to reflect increases in costs of operation, inflation, etc.

ID	Task Name	Duration	Start	Finish	Sep Qtr 4, 2023 Oct Nov Dec Qtr 1, 2024 Jan Feb Mar Qtr 2, 2024 Apr May											
1	Downtown Elevated Tank Rehabilitation (Re-coating) Project	169 days	Mon 9/25/23	Thu 5/16/24												
2	NTP	1 day	Tue 10/3/23	Tue 10/3/23												
3	Kick-off Meeting	1 day	Tue 10/3/23	Tue 10/3/23												
4	PRELIMINARY ENGINEERING	30 days	Wed 10/4/23	Tue 11/14/23												
5	Data Collection	30 days	Wed 10/4/23	Tue 11/14/23												
6	Receive data from city	30 days	Wed 10/4/23	Tue 11/14/23												
7	Tank Inspection Report	7 days	Wed 10/4/23	Thu 10/12/23												
8	PS&E DEVELOPMENT	38 days	Mon 9/25/23	Wed 11/15/23												
9	Site Visit	30 days	Wed 10/4/23	Tue 11/14/23												
10	75% PS&E	21 days	Mon 9/25/23	Mon 10/23/23												
11	75% Design	15 days	Mon 9/25/23	Fri 10/13/23												
12	75% Submittal to City	1 day	Mon 10/16/23	Mon 10/16/23												
13	75% Plan Review	3 days	Tue 10/17/23	Thu 10/19/23												
14	75% Comment Resolution	2 days	Fri 10/20/23	Mon 10/23/23												
15	100% PS&E	19 days	Fri 10/20/23	Wed 11/15/23												
16	100% Design	10 days	Fri 10/20/23	Thu 11/2/23												
17	100% Submittal to City	1 day	Fri 11/3/23	Fri 11/3/23												
18	100% Plan Review	3 days	Mon 11/6/23	Wed 11/8/23												
19	100% Comment Resolution	2 days	Thu 11/9/23	Fri 11/10/23												
20	Final Submittal to City	1 day	Mon 11/13/23	Mon 11/13/23												
21	Approval of 100% PS&E by City	2 days	Tue 11/14/23	Wed 11/15/23												
22	BIDDING PHASE	16 days	Mon 11/27/23	Mon 12/18/23												
23	Advertise for Bids	14 days	Mon 11/27/23	Thu 12/14/23												
24	Pre-Bid	1 day	Wed 12/6/23	Wed 12/6/23												
25	Bid Opening	1 day	Mon 12/18/23	Mon 12/18/23												
26	CONSTRUCTION PHASE	108 days	Tue 12/19/23	Thu 5/16/24												
27	Execute Construction Contract	10 days	Tue 12/19/23	Mon 1/1/24												
28	Pre-Construction Conference; Issue Notice to Proceed	1 day	Tue 1/2/24	Tue 1/2/24												
29	Start Construction	60 days	Fri 1/12/24	Thu 4/4/24												
30	Approve submittals	30 days	Wed 1/3/24	Tue 2/13/24												
31	Substantial Completion	1 day	Fri 4/5/24	Fri 4/5/24												
32	Final Acceptance and Construction Close-out	30 days	Fri 4/5/24	Thu 5/16/24												



ADDENDUM TO TASK ORDER # 23-006E-001

By my signature below, I hereby certify and verify that the Master Services Agreement for 23-006E-001 – Utilities Rotation List, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: LJA Engineering, Inc.

By: Kenneth G. Schrock

Print Name: Kenneth G. Schrock

Title: Senior Vice President

AGENDA ITEM REPORT

11.15.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-246 authorizing the City Manager to execute a task order with Terracon in the amount of \$47,424 for construction materials observation and testing services related to the FM 1660 at Limmer Loop project (CIP T-02) (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On July 6, 2023 the City Council approved Resolution no. R-2023-157 regarding Rotation List for Construction Materials Testing professional services with three consulting firms as a mechanism for Construction Related Professional Services, where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Materials testing is required for all construction projects to ensure that the materials are installed, made, or constructed in compliance with the design. This provides levels of safety for the projects and helps prolong the life cycle. Materials testing is done concurrent with the project as it progresses. For example, once the subgrade is prepared, a compaction test would be performed ensuring proper compaction before moving to construction of any foundation, concrete, or other structure on the subgrade. As concrete is poured, tests are performed to ensure that the concrete meets the requirements of the engineer's specification to ensure that it is strong enough to perform as intended.

The purpose of this item is to award a task order to the first firm on the rotation list for construction materials testing associated with the FM 1660 and Limmer Loop construction project. The cost for this material testing contract is \$47,424.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

AGENDA ITEM REPORT

11.15.



This project is being funded by the 2022 General Obligation Bonds (12-040-060-6569).

This project is required to be entirely funded by the 2022 General Obligation Bonds. The most recent cost estimate to complete this project was \$9,342,935, and \$9,297,935 is already encumbered. Awarding this task order will cause the project to exceed the current project budget by \$2,424. Interest earnings in the 2022 General Obligation bond fund to cover the additional costs.

ATTACHMENTS:

1. Hutto-Resolution Terracon 092123
2. Exh A IPO Cover_Terracon.08.30.23 not signed
3. Terracon TO 23-04-B-001.08.30.23
4. Task Order Addendum - Certification and Verification HB 1295No Boycott-Terracon

RESOLUTION NO. R-2023-246

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING TASK ORDER BETWEEN TERRACON
CONSULTANTS, INC. AND THE CITY OF HUTTO IN THE
AMOUNT OF \$47,424.00 FOR CONSTRUCTION
MATERIALS TESTING AND OBSERVATION SERVICES
RELATED TO THE FM 1660 AT LIMMER LOOP
CONSTRUCTION PROJECT; AUTHORIZING THE CITY
MANAGER TO EXECUTE THE TASK ORDER;
PROVIDING PROPER NOTICE & MEETING, AND
PROVIDING AN EFFECTIVE DATE.**

WHEREAS, on July 6th, 2023, the City of Hutto, Texas (“City”) selected Terracon Consultants, Inc. to be included as part of the Materials Testing rotation list; and

WHEREAS, the City Council desires to execute a task order with Terracon Consultants, Inc., in the amount of \$47,424.00 for services related to the FM 1660 at Limmer Loop Construction Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Terracon Consultants, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: The Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-004A

Proposed FM 1660 AT LIMMER LOOP TESTING

In accordance with Agreement for On Demand Services Material Testing between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-004B: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: TERRACON CONSULTANTS, INC.

Specific Project (title): Proposed FM 1660 at Limmer Loop Project
Construction Materials Testing and Observation
Services

- 1) Scope of services for construction materials observation and testing will include the following field services:
- 2) Concrete Construction (includes Reinforcing Steel Inspection)
- 3) Soils (includes Lime Stabilization)
- 4) Asphalt Observation/Testing
- 5) Refer to attached proposal for full details of materials testing and requirements

2. Fee: NTE \$47,424

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by 9-22-23, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-004B} is September 21, 2023.

OWNER:

By:

Print Name:

Print Name:

Title:

Title: _____



800 Paloma Drive, Suite 150
Round Rock, Texas 78665
P (512) 628-6200
F (512) 442-1181
Terracon.com

August 31, 2023

City of Hutto
500 west Live Oak Street
Hutto, Texas 78634

Attn: Ms. Patricia Davis, MSCE, P.E., LGPP
P: (512) 759-4005
E: Patricia.Davis@HuttoTX.gov

Re: Construction Materials Observation and Testing Services
FM 1660 Improvements
Intersection of FM 1660 and Limmer Loop
Hutto, Texas
Terracon Consultants Inc. Proposal No. PAC231111

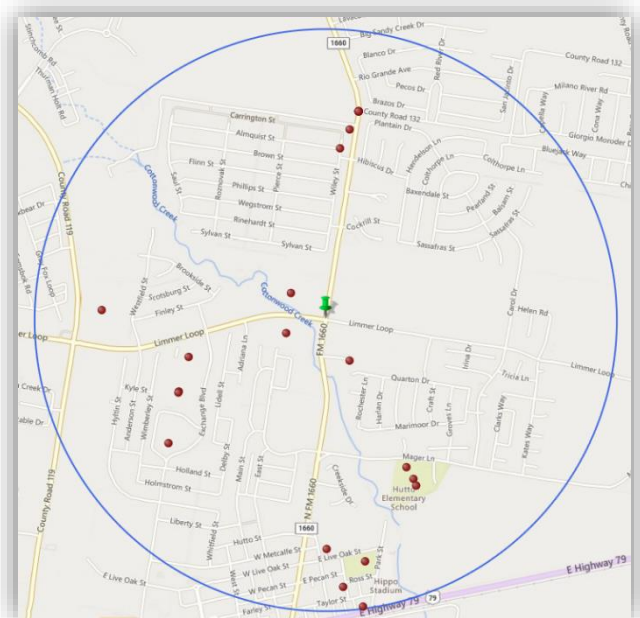
Dear Ms. Davis,

Thank you for selecting Terracon Consultants, Inc. to provide Construction Materials Testing and Observation Services for the FM 1660 Improvements project. This proposal outlines our understanding of the scope of services to be provided by Terracon and includes unit fees for services we anticipate will be required for this project.

A. PROJECT INFORMATION

The proposed project is to consist of improvements to the FM 1660 and Limmer Loop intersection. Improvements will include widening to allow for new right hand turn lanes for all directions and a left right turn lane for the North and South directions. In addition, it is proposed for new sidewalks and crosswalk medians.

Terracon Projects within a 1-mile radius of the **subject site**



Explore with us

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



As you can see from the above map, Terracon has experience near the project area.

Terracon prepared a scope of construction testing based on our experience with similar size and type projects, available information, as well as review of the following documents:

- Construction Drawings: HNTB (dated 06/16/2023)
- Contractors Schedule: Not Available

B. SCOPE OF SERVICE

Our anticipated scope of services for construction materials observation and testing will include the following field services:

- Concrete Construction (includes Reinforcing Steel Inspection)
- Soils (includes Lime Stabilization)
- Asphalt Observation/Testing

These services are described in greater detail in Exhibit B "Proposed Scope of Services for Construction Materials Observation and Testing" and includes project management. Our proposed scope of services and cost estimate are included in Exhibit C.

Terracon recommends the scope of work described in this proposal be reviewed by the design team prior to the start of construction and subsequently provided to the person(s) who will be responsible for scheduling our services. If the design team believes we need to increase or decrease our scope of services / trip frequency, we would be happy to work with you in developing a scope and cost estimate to address the requested scope changes.

C. COMPENSATION

Based on our review of the construction plans and information provided by the owner along with our experience with similar type construction projects, our following fee estimates to provide the proposed scope of services:

- **Estimate with scope of Services with Asphalt Observations and Testing (includes full time field observation, coring, and laboratory testing of asphalt) is \$47,424.**
- **Estimate with scope of Services with Asphalt Coring and limited laboratory testing is \$42,544.**

Charges for our services will be based on the quantities of services provided and the unit rates shown on the attached "Exhibit C." Additional services may be requested (but are not included in the attached cost estimate) can be provided at the unit fees shown in the attached "Schedule of Services and Fees". The actual cost of our services will be determined by the construction schedule and the quantity of services provided.

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



For billing purposes, Terracon assumes that:

- Your designated scheduling representative will make good effort to provide clear notification to Terracon for the desired on-site arrival time of our technicians to perform the requested observation / testing services at least 24 hours (1 business day) for all trips made for the performance of testing/inspection prior to the desired on-site arrival time of our technicians to perform the requested observation / testing services (this is so we may schedule qualified personnel trained in the appropriate discipline), and
- The material(s) requested to be observed / tested are actually ready to be observed / tested upon our technician's arrival to the site (this is to eliminate / reduce any standby / equipment delay / etc. charges which could be incurred if the materials requested to be observed / tested are, in fact, not ready upon our technician's arrival to the site).

Please note that **we will only be on-site as you or your representative schedules our services**, and as our cost for services are most dependent on the contractor's schedule, our costs may vary accordingly. Any and all additional services outside of the scope listed in Section B of this proposal will be billed according to the attached fee schedule.

Site Access and Safety. Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees, but shall not be responsible for the supervision or health and safety precautions for any third parties, including Client's contractors, subcontractors, or other parties present at the site. ***In addition, Consultant retains the right to stop work without penalty at any time Consultant believes it is in the best interests of Consultant's employees or subcontractors to do so.***

D. AUTHORIZATION

We understand that authorization for these services will be provided by execution of an "Agreement" which will be issued by the City of Hutto. This proposal with scope of services and fee schedule will be incorporated as part of the agreement.

We appreciate the opportunity to provide this proposal and look forward to working with you and the rest of the project team.

Sincerely,

Terracon Consultants, Inc.

(Firm Registration: TX F3272)

A handwritten signature in black ink that reads 'Kevin Luidhardt'.

Kevin W. Luidhardt, E.I.T.
Department Manager, Construction Services

KWL/JMK
Attachments

A handwritten signature in black ink that reads 'Jesse M. Kocher'.

Jesse M. Kocher, P.E. / Senior Principal
Office Manager, Construction Services



EXHIBIT B
PROPOSED SCOPE OF SERVICES FOR
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
FM 1660 IMPROVEMENTS
TERRACON PROPOSAL NO. PAC231111

The proposed scope of services provided by Terracon is described below. The purpose of these services is to observe various components of the construction and conduct specific tests to determine whether the materials and construction comply with the project requirements. These services are designed to provide a level of quality assurance (QA) for the client and are not intended to replace quality control tests and procedures required by the contractors and their suppliers. Terracon requires a complete set of construction plans and specifications approved for construction and any addenda or revisions approved during the construction process that would affect the construction related to the requested QA services.

If additional services are needed to comply with the construction documents or the government entity for special inspection requirements, Terracon should be contacted and requested to modify our proposed scope and estimated cost. The contractor has the responsibility to be familiar with the project requirements and to contact Terracon a minimum of 24 hours (one business day) prior to the time our services will be required. Terracon is not responsible for providing specified services if the client does not authorize Terracon to provide the services or if the contractor does not provide adequate notification for our scheduling purposes.

Terracon provides construction materials testing and observation services for a majority of the items required by the international building code and government entities. A brief summary of the scope of services that Terracon provides (when authorized and requested) for the special inspection items is provided below. This scope is based on the International Building Code special inspection requirements with some modifications.

Terracon will provide construction observations and testing services requested by the client as described in our "Scope of Services" in general accordance with the normal standard of care. Our scope of services does not include any design, design review, construction safety, trench safety, construction supervision, or construction management services. Terracon personnel do not have the responsibility or authority to stop the contractor's work, or to accept or reject any construction materials or workmanship, even if they do not comply with the project requirements.



EXHIBIT B
PROPOSED SCOPE OF SERVICES FOR
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
FM 1660 IMPROVEMENTS
TERRACON PROPOSAL NO. PAC231111

- 1. Concrete** – The Terracon scope of services includes sampling concrete and conducting slump and concrete compressive strength tests. Terracon personnel do not have the authority / responsibility to accept or reject concrete even if it does not comply with the project specifications. Terracon will typically make 4-inch diameter, 8-inch high cylinders for compressive strength testing whenever the aggregate size allows; however, 6-inch diameter, 12-inch high cylinders will be used when larger aggregate is used in the concrete or when requested by the client (6"x12" cylinder rate will be used). We will rely on the contractor or his concrete supplier to provide adequate facilities for initial (and field) curing of test cylinders as required by ASTM C 31 test procedures. The Terracon scope of services does not include plastic unit weight testing of concrete.

The Terracon scope of services also includes spot observations of the formwork dimensions and the reinforcing steel size, spacing, and configuration on a periodic basis prior to concrete placement.

The Terracon scope of services does not include plastic unit weight testing of concrete continuous observation of concrete placement for proper application techniques, periodic observation of the maintenance of specified curing temperatures and/or techniques for constructed structures, review of the erection procedures and temporary bracing for precast concrete members or verification of in-situ concrete strength prior to removal of shores and forms.

- 2. Soils** – The Terracon scope of services includes sampling and testing of soils, periodic observation of earthwork operations, and moisture-density testing of subgrade and compacted fills.

The Terracon scope of services does not include verification of the use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill on a continuous basis. The Terracon scope of services also excludes sampling, testing and evaluation of materials below shallow foundations to determine whether they are adequate to achieve the design bearing capacity. The adequacy of shallow footing subgrade soils will be based on recommendations in the geotechnical engineering report (or structural engineer's notes if a geotechnical engineering report is not provided) and visual observations of the foundation excavation bottom.



EXHIBIT B
PROPOSED SCOPE OF SERVICES FOR
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
FM 1660 IMPROVEMENTS
TERRACON PROPOSAL NO. PAC231111

- 3. Asphalt** – The Terracon scope of services includes observation of the asphalt paving operations, sampling asphalt and conducting laboratory tests. These services may be provided on a part-time or full-time basis as authorized by the client.

- 4. Project Management** - Terracon project management services include report review, data interpretation and signature; coordination with technicians and contractor personnel; participation in construction meetings when requested; preparation of budget status reports and invoices; and other related services to facilitate communication and coordination between the Terracon technicians and the contractor's personnel

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



EXHIBIT C
COST ESTIMATE FOR
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
FM 1660 IMPROVEMENTS
TERRACON PROPOSAL NO. PAC231111

DESCRIPTION	RATE	QUANTITY	UNITS	TRIPS	TOTAL QUANTITY	TOTAL
Earthwork Observation & Testing						
Soils Technician	\$ 70.00	3	hours	20	60	\$ 4,200.00
Tex-114-E	\$ 240.00	2	tests	1	2	\$ 480.00
Tex-113-E	\$ 325.00	10	tests	1	10	\$ 3,250.00
Tex-104-E and Tex-106-E	\$ 90.00	4	tests	1	4	\$ 360.00
Tex-110-E	\$ 140.00	4	tests	1	4	\$ 560.00
Tex-145-E	\$ 50.00	8	tests	1	8	\$ 400.00
Sieve Analysis (Unwashed)	\$ 60.00	8	tests	1	8	\$ 480.00
Tex-620-J	\$ 35.00	36	tests	1	36	\$ 1,260.00
Lime Depth Check	\$ 30.00	8	tests	1	8	\$ 240.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	20	20	\$ 1,200.00
Tex-115-E	\$ 22.00	72	hour	1	72	\$ 1,584.00
Sub Total						\$ 14,014.00
Concrete Observation & Testing						
Curb & Gutter / Sidewalk / Medians						
Concrete Technician	\$ 65.00	4	hours	15	60	\$ 3,900.00
Compressive Strength of 4" x 8" Cylinder	\$ 22.00	5	tests	15	75	\$ 1,650.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	15	15	\$ 900.00
Sub Total						\$ 6,450.00
Driveway						
Concrete Technician OT	\$ 97.50	4	hours	9	36	\$ 3,510.00
Compressive Strength of 4" x 8" Cylinder	\$ 22.00	5	tests	9	45	\$ 990.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	9	9	\$ 540.00
Sub Total						\$ 5,040.00
Sample Pickup						
Sample Pick-Up	\$ 65.00	2	hours	24	48	\$ 3,120.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	24	24	\$ 1,440.00
Sub Total						\$ 4,560.00
Asphalt Observations & Testing						
Asphalt Technician	\$ 70.00	8	hours	8	64	\$ 4,480.00
Tex-236-F	\$ 240.00	1	tests	8	8	\$ 1,920.00
Tex-207-F	\$ 210.00	1	tests	8	8	\$ 1,680.00
Tex-227-F	\$ 160.00	1	tests	8	8	\$ 1,280.00
Core Density (field cut)	\$ 70.00	16	tests	1	16	\$ 1,120.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	8	8	\$ 480.00
Asphalt Coring Equipment	\$ 150.00	1	days	8	8	\$ 1,200.00
Sub Total						\$ 12,160.00
Project Management / Administration						
Project Manager	\$ 150.00	30	hours	1	30	\$ 4,500.00
Administration	\$ 70.00	10	hours	1	10	\$ 700.00
Sub Total						\$ 5,200.00
Total						\$ 47,424.00

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



EXHIBIT C
COST ESTIMATE FOR
CONSTRUCTION MATERIALS OBSERVATION AND TESTING
FM 1660 IMPROVEMENTS
TERRACON PROPOSAL NO. PAC231111

DESCRIPTION	RATE	QUANTITY	UNITS	TRIPS	TOTAL QUANTITY	TOTAL
Earthwork Observation & Testing						
Soils Technician	\$ 70.00	3	hours	20	60	\$ 4,200.00
Tex-114-E	\$ 240.00	2	tests	1	2	\$ 480.00
Tex-113-E	\$ 325.00	10	tests	1	10	\$ 3,250.00
Tex-104-E and Tex-106-E	\$ 90.00	4	tests	1	4	\$ 360.00
Tex-110-E	\$ 140.00	4	tests	1	4	\$ 560.00
Tex-145-E	\$ 50.00	8	tests	1	8	\$ 400.00
Sieve Analysis (Unwashed)	\$ 60.00	8	tests	1	8	\$ 480.00
Tex-620-J	\$ 35.00	36	tests	1	36	\$ 1,260.00
Lime Depth Check	\$ 30.00	8	tests	1	8	\$ 240.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	20	20	\$ 1,200.00
Tex-115-E	\$ 22.00	72	hour	1	72	\$ 1,584.00
Sub Total						\$ 14,014.00
Concrete Observation & Testing						
Curb & Gutter / Sidewalk / Medians						
Concrete Technician	\$ 65.00	4	hours	15	60	\$ 3,900.00
Compressive Strength of 4" x 8" Cylinder	\$ 22.00	5	tests	15	75	\$ 1,650.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	15	15	\$ 900.00
Sub Total						\$ 6,450.00
Driveway						
Concrete Technician OT	\$ 97.50	4	hours	9	36	\$ 3,510.00
Compressive Strength of 4" x 8" Cylinder	\$ 22.00	5	tests	9	45	\$ 990.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	9	9	\$ 540.00
Sub Total						\$ 5,040.00
Sample Pickup						
Sample Pick-Up	\$ 65.00	2	hours	24	48	\$ 3,120.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	24	24	\$ 1,440.00
Sub Total						\$ 4,560.00
Asphalt Observations & Testing						
Asphalt Coring Crew	\$ 140.00	4	hours	8	32	\$ 4,480.00
Core Density (field cut)	\$ 70.00	16	tests	1	16	\$ 1,120.00
Vehicle Mileage (Travel)	\$ 60.00	1	miles	8	8	\$ 480.00
Asphalt Coring Equipment	\$ 150.00	1	days	8	8	\$ 1,200.00
Sub Total						\$ 7,280.00
Project Management / Administration						
Project Manager	\$ 150.00	30	hours	1	30	\$ 4,500.00
Administration	\$ 70.00	10	hours	1	10	\$ 700.00
Sub Total						\$ 5,200.00
Total						\$ 42,544.00

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



SCHEDULE OF SERVICES AND FEES CONSTRUCTION MATERIALS ENGINEERING

Project Services

Principal, Officer, per hour	\$200.00
Senior Engineer / Manager, per hour	\$170.00
Project Engineer / Manager, per hour	\$150.00
Administrative, per hour	\$70.00
Same day Service Request Fee	\$100.00
Professional Engineer Stamped Letters*, each	\$325.00

*Includes Final letters, Pad Letters, Foundation Letters, Conformance Letters, Recommendation Letters

Transportation

Vehicle, per trip	\$60.00
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A fuel surcharge may be added if fuel costs increase by more than 10% during the project duration.

Concrete Field Services

Concrete Technician, per hour	\$65.00
Reinforcing Steel Technician, per hour	\$70.00

Concrete Tests

Cylinder compression test (ASTM C 31 & C 39), 4"x8", each	\$22.00
Cylinder compression test (ASTM C 31 & C 39), 6"x12", each	\$30.00
Concrete Core compression test (ASTM C39), each	\$60.00

Soils Laboratory Testing and Classification

Atterberg limits (Tex-104-E and Tex-106-E), each	\$90.00
Combined sieve analysis (Tex-110-E)	\$140.00
Optimum moisture / maximum dry density relations (proctors)	
TXDOT TEX 113E, each	\$325.00
TXDOT TEX 114E, each	\$240.00

Soils Field Services

In place density / moisture test, nuclear method (Tex-115-E),	
minimum 3, each	\$22.00
Soils Technician, per hour	\$70.00
Field Gradation of lime treated soil, each	\$60.00
Depth check of lime treated soil, each	\$30.00
Soil pH value (Tex-620-J), each	\$35.00
Sulfate Content (Tex-145-E), each	\$50.00

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



SCHEDULE OF SERVICES AND FEES CONSTRUCTION MATERIALS ENGINEERING

Asphaltic Concrete Services

Asphalt technician, per hour	\$70.00
Bulk specific gravity of lab molded specimens (TEX 227-F), set of 3	\$160.00
Maximum theoretical density (TEX 207-F), each	\$210.00
Extraction and Sieve Analysis (TEX 236-F), each	\$240.00
Asphalt core thickness & density, each	\$70.00

Coring Services

Coring Crew, per hour	\$140.00
Coring Equipment, per day	\$150.00

Reimbursable Expenses

Direct non-salary project expenses for "outside" services are billed at cost plus 15 percent for handling. These include but are not limited to the following: travel and lodging, external consultants, environmental analytical tests, drilling, special supplies, permits, equipment, sampling, field testing, on-site facilities, clearing/grading contractors, water trucks, bulldozers, security forces, surveyors, traffic control or other support services.

Remarks

A minimum charge of two hours will be assessed for trips to the project site for sample or cylinder pick up only and a three-hour minimum charge is applicable to all trips made for the performance of other testing, inspection, cancellations or consulting services.

All labor, equipment, and transportation charges are billed on a portal-to-portal basis from our office up to the nearest half hour.

Overtime rates of 1.5 times the quoted hourly rate will be applicable for all time worked in excess of eight (8) hours per day, all time worked outside of daylight hours of 6:00 AM to 6:00 PM Monday through Friday, and all time worked on Saturdays.

Overtime rates of 2 times the quoted hourly rate will be applicable for all time worked on Holidays and Sundays.

Services that are not cancelled by the prior business day, during business hours (8am to 5pm), will be subject to a cancellation charge of \$200.

Court appearances, depositions, etc. will be charged at 1.5 times the quoted hourly rate.

Unit fees for tests not listed will be quoted on request.

Rush testing and inspection services are subject to a surcharge (to be negotiated).

Proposal for Materials Observation and Testing Services

FM 1660 Improvements ■ Hutto, Texas

August 31, 2023 ■ Proposal No. PAC231111



**SCHEDULE OF SERVICES AND FEES
CONSTRUCTION MATERIALS ENGINEERING**

Remarks (continued)

Engineering consultation and evaluation in connection with any laboratory testing or field inspection service will be charged at the appropriate rate.

Material samples should be submitted in a form that complies with applicable requirements.

Terracon will submit invoices for services on a monthly basis. Payment for services shall be made within 30 days of receipt of the invoice in accordance with the Terracon "Agreement for Consulting Services" or "Authorization To Proceed". Additional administrative charges may be applicable if the client requires other invoicing procedures or payment terms.



ADDENDUM TO TASK ORDER #23-004B

By my signature below, I hereby certify and verify that the Master Services Agreement for MSA 23-04-B, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Terracon Consultants, Inc.

By: Jesse M. Kocher

Print Name: Jesse M. Kocher
Title: Senior Principal

AGENDA ITEM REPORT

11.16.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-224 authorizing the City Manager to execute an Individual Project Order (IPO) with MHS Planning & Design in the amount of \$39,930 for the Solar Lighting Improvements at Existing Trails project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work includes design, bid, and construction phase services for the Trail Lighting (provides Solar Lighting Improvement at Existing Trails) project. The Scope of services for Existing Trail Lighting will include the following field services: a. Kick-Off Meeting b. Preliminary Reporting Phase c. Design Phase d. Construction & Bidding Phase.

The purpose of this item is to award an Individual Project Order (IPO) to MHS Planning & Design as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

AGENDA ITEM REPORT

11.16.



FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$275,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$235,070 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 MHS Resolution for Solar Lighting Trails v2
2. Exh A Task Order_Architecture_MHS_23-10D-002 Trail Lighting
3. Solar Lighting Improvements - Task Order Addendum - Certification and Verification HB 1295, No Boycott

RESOLUTION NO. R-2023-224

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN MHS PLANNING
& DESIGN AND THE CITY OF HUTTO IN THE AMOUNT
OF \$39,930 FOR THE SOLAR LIGHTING IMPROVEMENTS
ALONG EXISTING TRAILS PROJECT; AUTHORIZING
THE CITY MANAGER TO EXECUTE THE TASK ORDER;
PROVIDING PROPER NOTICE & MEETING, AND
PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected MHS Planning & Design to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with MHS Planning & Design, in the amount of \$39,930 for services related to the Solar Lighting Improvements Along Existing Trails Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with MHS Planning & Design, in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by MHS Planning & Design; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010D-002

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010D-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: MHS PLANNING & DESIGN

Specific Project (title): Solar Lighting Improvements at Existing Trails

- 1) Scope of services for Existing Trail Lighting will include the following field services:
 - a. Kick-Off Meeting
 - b. Preliminary Reporting Phase
 - c. Design Phase
 - d. Construction & Bidding Phase

2. Fee: NTE \$35,180 + \$4,750 reimbursable expenses

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact

Matt Rector

City Engineer

Matt.Rector@HuttoTX.gov

512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010D-002} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: David B. Shipp, PLA

Title: _____ Title: Professional Landscape Architect



September 12, 2023

Jeffrey White
Director of Parks & Recreation
500 W. Live Oak Street
Hutto, TX 78634

RE: Solar Lighting Improvements at Existing Trail

Dear Mr. White,

It is my pleasure to submit this proposal for professional services for your property located in Hutto, TX. Our scope of services for this project is as follows:

1. Kick-Off Meeting (\$1,800)
 - a. Meet the Team and Key Stakeholders
 - b. Define project limits.
 - c. Discuss and confirm project expectations, goals, roles, schedules, and responsibilities.
2. Preliminary Reporting Phase - \$9,155.00
 - a. Site Visits to view the existing conditions at the site.
 - b. Develop a project boundary “work limits” drawing of the proposed park areas to be improved during the design phase of the project. (GIS and boundary data provided by Owner).
 - c. Work in conjunction with the Owner to finalize a site layout for proposed solar lighting improvements.
 - d. Design Development presentation to review and discuss available solar options and manufacturers of solar lighting equipment, finish out options, and warranties.
 - e. Geotechnical Report will be required (provided by Owner).
 - f. Preliminary Site Plan
3. Design Phase - \$14,875
 - a. Based on the approved preliminary design documents, coordinate and/or prepare detailed construction drawings and specifications. The construction drawings and specifications shall be prepared for the full project.
 - b. Furnish to the Owner construction plans and specifications. These documents typically include the following sheets, but all may not be required for this project:

- i. Cover Sheet
- ii. Site Plan
- iii. General Notes
- iv. Demolition Plan
- v. Layout Control Plan
- vi. Project Details

4. Construction and Bidding Phase - \$9,350.00

- a. Monthly site visits to observe the progress and quality of work.
- b. Check samples, catalog data, laboratory testing, shop drawings, mill tests of materials and equipment, and other data which the Contractor is required to submit, only for the conformance with the design concept.
- c. Review and request approval of the contractor's pay applications based on the on-site observations of design professional.
- d. Conduct a final inspection of the Project for conformance with the design and recommend in writing final payment to the contractor.
- e. The fee for this Construction Phase is based on an active construction schedule of 120 days.

Based on this scope of services, our lump sum fee for the project is \$35,180. This fee excludes reimbursables such as reproductions, permits, mileage, etc. and those will be invoiced based on the attached rate sheet not to exceed \$4,750. This proposal reflects a project schedule of 90-120 days with an active construction schedule of 120 days. If you find this proposal meets your needs, please have the appropriate party sign below, retain one copy for your file and return one to us. Once we receive the signed proposal, we will begin work. If you have any questions or need us to modify our proposal, please let me know.

Sincerely,



David B. Shipp, PLA
Professional Landscape Architect

Approved _____

Date _____

2023 Hourly Rates

Engineering

Senior Professional Engineer	\$195.00 per hour
Professional Engineer	\$140.00 per hour
Graduate Engineer	\$95.00 per hour
Civil Engineering Intern	\$75.00 per hour

Landscape Architecture

Senior Landscape Architect	\$195.00 per hour
Landscape Architect	\$135.00 per hour
Landscape Designer	\$85.00 per hour
Landscape Intern	\$70.00 per hour

Planning

Senior Planner	\$160.00 per hour
Planner	\$85.00 per hour
Planning Intern	\$70.00 per hour

Graphic Design

Senior Graphics Designer	\$125.00 per hour
Graphics Designer	\$85.00 per hour

Drafting

Senior CAD Designer	\$125.00 per hour
CAD Designer	\$105.00 per hour
CAD Drafter	\$85.00 per hour

Office Admin

Word Processing/Clerical	\$70.00 per hour
Mileage	\$0.655 per mile
Reproduction, Aerial photography, etc.	Cost plus 15%

A service charge of 1.5% per month (18% annual rate) will be added to all balances 30 days past due and will continue each month until the past due amount is received.



ADDENDUM TO TASK ORDER #23-010D-002

By my signature below, I hereby certify and verify that the Master Services Agreement for the Solar Lighting Improvements, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT:

By:

A handwritten signature in black ink, appearing to read "D. B. Shipp".

Print Name: David B. Shipp, PLA

Title: Professional Landscape Architect

AGENDA ITEM REPORT

11.17.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-227 authorizing the City Manager to execute an Individual Project Order (IPO) with Sunland Group, LLC in the amount of \$39,518.46 for the Adam Orgain Restroom project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work includes adding a new +/- 300 sf restroom facility consisting of two gender-neutral restrooms containing a water closet, urinal, lavatory, and toilet accessories. The facility will have a chase between the common plumbing walls large enough to accommodate maintenance personnel. The structure will be naturally ventilated but will include a space heater in the chase. The structure will be designed to match the existing facility. It is assumed the project will be located adjacent to existing utilities and will not require extensive utility relocation.

The purpose of this item is to award an Individual Project Order (IPO) to Sunland Group LLC as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

AGENDA ITEM REPORT

11.17.



Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$165,000. There have been no encumbrances to date for this project. There are two other IPO's for approval for this project on tonight's agenda. If all three IPO's are awarded, there will be \$110,323 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 SG Resolution for Adam Orgain RR v2
2. Exh A Task Order_Architecture_Sunland_MSA 23-06C.9.7.23 - Adam Orgain RR
3. HB1295 Addendum-Sunland-Adam Orgain RR

RESOLUTION NO. R-2023-227

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN SUNLAND
GROUP, LLC. AND THE CITY OF HUTTO IN THE
AMOUNT OF \$39,518.46 FOR THE ADAM ORGAIN
RESTROOM PROJECT; AUTHORIZING THE CITY
MANAGER TO EXECUTE THE TASK ORDER;
PROVIDING PROPER NOTICE & MEETING, AND
PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Sunland Group, LLC. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Sunland Group, LLC., in the amount of \$39,518.46 for services related to the Adam Orgain Restroom Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Sunland Group, LLC., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Sunland Group, LLC.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of ___AYES; ___NAYS; ___ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-10C-002

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-10C-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: SUNLAND GROUP, LLC

Specific Project (title): Adam Orgain Restroom

- 1) Scope of services for Adam Orgain Restroom will include the following field services:

Sunland Group is pleased to provide the City of Hutto with a fee proposal for this task. The project will consist of the demolition of an existing restroom facility which will be replaced with a new +/- 300 sf restroom facility consisting of two gender neutral restrooms containing a water closet, urinal, lavatory, and toilet accessories. The facility will have a chase between the common plumbing walls large enough to accommodate maintenance personnel. The structure will be naturally ventilated but will include a space heater in the chase. The structure will be designed to match the existing facility. It is assumed the project will be located adjacent to existing utilities and will not require extensive utility relocation.

Sunland Group will provide architectural, civil, and cost estimating services. We will sub-contract for MEP and structural services. The project will include:

1. Project Oversight
2. 2 in-person design meetings
3. Virtual meetings as required.
4. Design:
 - a. Schematic Design
 - b. Design Development with a cost estimate
 - c. Construction Documents with a cost estimate
5. Permit Planning Submission and response to comments
 - a. Plan Submission to the City of Hutto and TAS.
 - b. Comment responses

- c. Additional documentation
- 6. Construction Administration:
 - a. Respond to RFI's
 - b. Submittal Reviews
 - c. 2 - Site Observation Visits
 - d. 1 - Punch List Observation and Report

Assumptions:

- 1. The city will provide a survey and geotechnical report.
- 2. The building will be located near adjacent utilities and will not require extensions from off site.
- 3. The GC will pay and pull the necessary building permits.
- 4. The fee below includes mileage. All other expenses will be invoiced at cost.
 - a. Permitting / Regulatory fees are unknown. Sunland will pay the fees and will invoice the city at cost.

2. Fee: NTE \$39,518.46

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact

Matt Rector

City Engineer

Matt.Rector@HuttoTX.gov

512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order #23-10C-002 is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:

Brandy Waters

Print Name:

Print Name: Brandy Waters

Title: _____ Title: President



ADDENDUM TO TASK ORDER # 23-10C-002

By my signature below, I hereby certify and verify that the Master Services Agreement for Consulting Services, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Sunland Group, Inc.

By: Brandy Waters

Print Name: Brandy Waters
Title: President

AGENDA ITEM REPORT

11.18.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-225 authorizing the City Manager to execute an Individual Project Order (IPO) with MHS Planning & Design in the amount of \$30,502 for the Athletic Fields Study project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of services for Athletic Sports Field Study will include the following field services: a. Kick-Off Meeting, b. Discovery Phase & Data Collection, c. Needs Analysis, d. Preparation of Preliminary Study, e. Preparation for Final Study, and f. Presentation of Final Study/Plan

The purpose of this item is to award an Individual Project Order (IPO) to WSB LLC/MHS Planning as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

AGENDA ITEM REPORT

11.18.



FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$65,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$34,498 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 MHS Resolution for Athletic Field Study v2
2. Exh A Task Order_Architecture_MHS_ 23-10D-001 Athletic Study
3. Athletic Study - Task Order Addendum - Certification and Verification HB 1295, No Boycott

RESOLUTION NO. R-2023-225

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN MHS PLANNING & DESIGN AND THE CITY OF HUTTO IN THE AMOUNT OF \$30,502 FOR THE ATHLETIC FIELD STUDY PROJECT; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected MHS Planning & Design to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with MHS Planning & Design, in the amount of \$30,502 for services related to the Athletic Field Study Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with MHS Planning & Design, in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by MHS Planning & Design; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010D-001

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010D-001: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: MHS PLANNING & DESIGN

Specific Project (title): Athletic Study, 5 years

- 1) Scope of services for Athletic Sports Field Study will include the following field services:
 - a. Kick-Off Meeting
 - b. Discovery Phase & Data Collection
 - c. Needs Analysis
 - d. Preparation of Preliminary Study
 - e. Preparation of Final Study
 - f. Presentation of Final Study/Plan

2. Fee: NTE \$27,150 + \$3,350 reimbursable expenses

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010D-001} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: David B. Shipp, PLA

Title: _____ Title: Professional Landscape Architect



September 12, 2023

Jeffrey White
Director of Parks & Recreation
500 W. Live Oak Street
Hutto, TX 78634

RE: Athletic Sports Field Study (5 years)

Dear Mr. White,

It is my pleasure to submit this proposal for professional services for your property located in Hutto, TX. Our scope of services for this project is as follows:

1. Kick-Off Meeting (\$1,800)
 - a. Meet the Team and Key Stakeholders
 - b. Define service area.
 - c. Discuss and confirm project expectations, goals, roles, schedules, and responsibilities.
2. Discovery Phase & Data Collection (\$3,500)
 - a. Discovery Phase
 - i. Coordinate with the Client to obtain the most current and available preliminary data.
 - ii. Prepare a base map with existing available data.
 - iii. Site visits to view and verify the existing conditions.
 - b. Data Collection
 - i. Obtain and review existing relevant planning and league documents.
 - ii. Obtain recent population projections, demographic for the service areas.
 - iii. Meet with City staff to discuss desires, needs, programming, and opportunities regarding sports fields.
3. Needs Analysis (\$3,950)
 - a. Develop community wide needs based on current and future supply and user demand.
 - b. Conduct interviews with Key Stakeholders in the community. (3 Meetings Total)
 - c. Develop understanding of priorities, concerns, and issues to determine the strengths, weaknesses, opportunities, and threats within the service areas.
4. Preparation of Preliminary Study (\$12,700)
 - a. Document existing and future service area.
 - b. Review and incorporate local, state, and national trends in sports & recreation.

- c. Develop goals, objectives and specific strategies for improvements, developments, and growth within the community.
 - d. Prepare draft written report detailing the community demographics, stakeholder findings, needs and proposed developments, renovations, cost estimates and funding opportunities.
 - e. Hold an interim meeting with Staff and Stakeholders to review progress of planning, potential developments, and recommendations to establish priorities to be included in the plan.
 - f. Present preliminary study and plan to City for comment.
5. Preparation of Final Study (\$3,500)
- a. Incorporate review comments and prepare a final written report including proposed existing city data, community input, phasing plan for improvements, and full color exhibits.
 - b. Develop an overall summary of needs, recommendations, and priorities.
6. Presentation of Final Study/Plan (\$1,700)
- a. Make presentation of the final Plan to Key Stakeholders for approval and recommendation to the City. (1 Meeting)
 - b. The Consultant will deliver to the City the final document in PDF format. The Consultant will also deliver relevant AutoCAD, ArcView/GIS and Word files to the City for their use.

Based on this scope of services, our lump sum fee for the project is \$27,150. This fee excludes reimbursables such as reproductions, permits, mileage, etc. and those will be invoiced based on the attached rate sheet not to exceed \$3,350. This proposal reflects a project schedule of 120-160 days. If you find this proposal meets your needs, please have the appropriate party sign below, retain one copy for your file and return one to us. Once we receive the signed proposal, we will begin work. If you have any questions or need us to modify our proposal, please let me know.

Sincerely,



David B. Shipp, PLA
Professional Landscape Architect

Approved _____

Date _____

2023 Hourly Rates

Engineering

Senior Professional Engineer	\$195.00 per hour
Professional Engineer	\$140.00 per hour
Graduate Engineer	\$95.00 per hour
Civil Engineering Intern	\$75.00 per hour

Landscape Architecture

Senior Landscape Architect	\$195.00 per hour
Landscape Architect	\$135.00 per hour
Landscape Designer	\$85.00 per hour
Landscape Intern	\$70.00 per hour

Planning

Senior Planner	\$160.00 per hour
Planner	\$85.00 per hour
Planning Intern	\$70.00 per hour

Graphic Design

Senior Graphics Designer	\$125.00 per hour
Graphics Designer	\$85.00 per hour

Drafting

Senior CAD Designer	\$125.00 per hour
CAD Designer	\$105.00 per hour
CAD Drafter	\$85.00 per hour

Office Admin

Word Processing/Clerical	\$70.00 per hour
Mileage	\$0.655 per mile
Reproduction, Aerial photography, etc.	Cost plus 15%

A service charge of 1.5% per month (18% annual rate) will be added to all balances 30 days past due and will continue each month until the past due amount is received.



ADDENDUM TO TASK ORDER #23-010D-001

By my signature below, I hereby certify and verify that the Master Services Agreement for the Athletic Study, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT:

By:

A handwritten signature in black ink, appearing to read 'D. B. Shipp'.

Print Name: David B. Shipp, PLA

Title: Professional Landscape Architect

AGENDA ITEM REPORT

11.19.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-221 authorizing the City Manager to execute an Individual Project Order (IPO) with MWM DesignGroup, INC. in the amount of \$30,000 for the Cross-Creek Trail Expansion project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-191 regarding Rotation List for Transportation and Drainage Engineering professional services with five consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work includes design, bid, and construction phase services for the Cross-Creek Train Expansion . The Engineer's scope of services includes project management, field surveying, plans, specifications, and estimate preparation bid phase services, construction phase services, and project closeout services.

The purpose of this item is to award an Individual Project Order (IPO) to MWM DesignGroup, Inc. as an approved consultant of the City's selected firms on the Architecture and Landscape Architecture rotation list.

SUMMARY OF REQUEST:

Approval of this resolution as presented

STAFF REVIEW:

Staff recommends approval

AGENDA ITEM REPORT

11.19.



FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$60,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$30,000 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 MWM Resolution for Cross Creek v2
2. Exh A Task Order_LANDSCAPE_MWM_MSA 23-10A-002_Cross Creek Trail Exp
3. Task Order Addendum - Certification and Verification HB 1295No Boycott-MWM Cross Creek Trl

RESOLUTION NO. R-2023-221

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN MWM DESIGNGROUP, INC AND THE CITY OF HUTTO IN THE AMOUNT OF \$30,000 FOR THE CROSS CREEK TRAIL EXPANSION PROJECT; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected MWM DesignGroup, Inc. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with MWM DesignGroup, Inc, in the amount of \$30,000 for services related to the Cross Creek Trail Expansion Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with MWM DesignGroup, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by MWM DesignGroup, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-10A-002

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-10A-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: MWM DESIGNGROUP, INC.

Specific Project (title): Cross-Creek Trail Expansion (From Cross Creek to Creekside)

- 1) Scope of services for this project will include the following services:
 - a. Professional design services for low-water crossing
 - b. Refer attached proposal for more information

2. Fee: NTE \$30,000.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order #23-10A-002 is September 21, 2023.

OWNER:

CONSULTANT: MWM DESIGNGROUP, INC.

By:

By:



Print Name:

Print Name: Tony Buonodono, P.E., PMP

Title: _____

Title: Vice President | Principal



ADDENDUM TO TASK ORDER #23-10A-002

By my signature below, I hereby certify and verify that the Master Services Agreement for the Cross-Creek Trail Extension Project, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: MWM DesignGroup

By:

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal line that tapers off to the right.

Print Name: Tony Buonodono, P.E., PMP
Title: Vice President

AGENDA ITEM REPORT

11.20.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-222 authorizing the City Manager to execute an Individual Project Order (IPO) with Clark Condon Associates, Inc. in the amount of \$21,000 for the Adam Orgain Trail Extension project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work includes design, bid, and construction phase services for the Adam Orgain Trail Extension project. The scope of work includes the design and documentation for a 1500 LF concrete trail extending from the existing sidewalk along CR 137 to the parking lot terminating near the existing amphitheater fence. A connection will be extended to the edge of the city property for the adjacent development to connect to at a future date. The client has requested the trail be located a minimum of 6' from the top of the bank of the existing swale and that a gravel maintenance band be provided along the fence.

The purpose of this item is to award an Individual Project Order (IPO) to WSB LLC as an approved consultant of the City's selected firms on the Transportation and Drainage rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

AGENDA ITEM REPORT

11.20.



STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$75,000. There have been no encumbrances to date for this project. After awarding this IPO, there will be \$46,500 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 CCA Resolution for Adam Orgain Trail v2
2. Exh A Task Order CCA Adam Orgain Trail Proposal_23-010B-002
3. Task Order Addendum - Certification and Verification HB 1295, No Boycott-#23-010B-002

RESOLUTION NO. R-2023-222

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN CLARK
CONDON ASSOCIATES, INC. AND THE CITY OF HUTTO
IN THE AMOUNT OF \$21,000 FOR THE ADAM ORGAIN
TRAIL EXTENSION PROJECT; AUTHORIZING THE CITY
MANAGER TO EXECUTE THE TASK ORDER;
PROVIDING PROPER NOTICE & MEETING, AND
PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Clark Condon Associates, Inc. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Clark Condon Associates, Inc., in the amount of \$21,000 for services related to the Adam Orgain Trail Extension Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Clark Condon Associates, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Clark Condon Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-010B-002

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Landscape Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-010B-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: CLARK CONDON ASSOCIATES, INC.

Specific Project (title): Adam Orgain Trail Extension

- 1) Scope of services for Landscape Architecture Design and Documentation will include the following items:
 - a. 1500 LF of Concrete Trail
 - b. Gravel Maintenance Band
 - c. Refer to attached proposal for full description of scope

2. Fee: NTE \$21,000.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact

Matt Rector

City Engineer

Matt.Rector@HuttoTX.gov

512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {#23-010B-002} is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:



Print Name:

Print Name: Mary Keilers

Title: _____ Title: Innovation and Research Principal

September 12, 2023
Revised September 13, 2023

10401 STELLA LINK ROAD
HOUSTON, TEXAS 77025

phone 713.871.1414 *fax* 713.871.0888

CLARKCONDON.COM

Patricia Davis
CIP Engineer
City of Hutto
500 W Live Oak St
Hutto, TX 78634

Re: Adam Orgain Trail Extension (#23-010B-002)

Dear Patricia,

We are pleased to provide this proposal for landscape architectural design associated with the proposed trail extension in Adam Orgain Park located in Hutto, Texas. For the purposes of this proposal, you will be referred to as the Client and Clark Condon Associates, Inc. as the Landscape Architect.

SCOPE OF WORK - The scope of work includes the design and documentation for a 1500 LF concrete trail extending from the existing sidewalk along CR 137 to the parking lot terminating near the existing amphitheater fence. A connection will be extended to the edge of the city property for the adjacent development to connect to at a future date. The Client has requested the trail be located a minimum of 6' from the top of the bank of the existing swale and that a gravel maintenance band be provided along the fence.

The Landscape Architect shall be responsible for providing landscape architectural design and documentation services for the project. This shall be accomplished by working closely with the Client.

CONSTRUCTION DOCUMENTS – The Construction Documents phase shall include the design and documentation of the trail. The Landscape Architect shall prepare Construction Documents and technical specifications for bidding and installation of all landscape architectural elements approved. Services to be provided in this phase include:

1. Provide site plans at 1" = 20'-0" scale indicating all proposed improvements.
2. Provide details for all improvements as required for proper construction, installation, or finishing of all landscape components.
3. Prepare layout plans dimensioning all proposed improvements.
4. Prepare final construction cost estimate to include unit costs at current construction dollars.
5. Organize and schedule virtual Client meetings (2 maximum).
6. Prepare a project manual including contract documents and technical specifications in MasterSpec format.
7. Conduct project QA/QC review with the Design Team.
8. Issue signed and sealed permit set.
9. Submit plans to TDLR for review.
10. Prepare final Construction Documents in reproducible format and digital format, AutoCAD.

BIDDING – After completion and approval of the Construction Documents, the Landscape Architect shall assist the Client with putting the plans out for public bid.

1. Provide bid documents to the Client.
2. Attend a virtual pre-bid conference.
3. Prepare addenda as necessary.
4. Evaluate bids and make recommendations for contracts.
5. Revise the Construction Documents in a closing addendum, which incorporate any revisions and cost-saving items agreed to during the bidding phase.

OPTIONAL ADDITIONAL SCOPE

CONSTRUCTION PHASE SERVICES – The Landscape Architect shall provide Construction Phase Services for the project. Services to be provided in this phase include:

1. Perform periodic site visits (approximately 3 visits). The Design Team shall visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Client, to become generally familiar with the progress of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating the Work, when fully completed, shall be in accordance with the Contract Documents. However, the Landscape Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Landscape Architect shall not have control over, charge of, or responsibility for, the construction means, methods, techniques, sequences, or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities.
2. Prepare elementary and supplementary sketches required to resolve field conditions related to design.
3. Review and take appropriate action on submittals, RFIs, and shop drawings submitted by contractors for conformance with the design concept.
4. Coordinate and conduct a substantial completion walkthrough at the conclusion of the construction and provide a punch list to the Contractor to complete the project.
5. Based on site visits, and the data comprising the pay application, the Landscape Architect shall review and certify to the Client that to the best of the Landscape Architect's knowledge, information, and belief the Work has progressed as indicated and the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified.
6. Review change orders for approval by the Client.

OPTIONAL DEDUCT – If the Client decides to proceed with a Job Order Contract (JOC) for the construction of the project, the Bidding/Pricing Fee can be reduced by \$2,500 for a new total fee of \$1,000 for this phase. In the event a JOC is utilized, the Landscape Architect will assist the Client in answering drawing questions and reviewing the pricing of the selected contractor.

FEE - The total fee for this project is a lump sum based upon the estimated time and scope for professional services as outlined below, plus reimbursable expenses.

Basic Services

Construction Documents	\$9,000.00
Bidding/Pricing	<u>\$3,500.00</u>
TOTAL BASIC SERVICES	\$12,500.00
Reimbursables	\$2,500.00

Optional Additional Services

Construction Phase Services	\$6,000.00
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GRAND TOTAL	<u>\$21,000.00</u>
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REIMBURSABLE EXPENSES - The Client shall pay the Landscape Architect for the cost of out-of-town travel expenses, messengers, mileage, printing, services of professional consultants which cannot be quantified at the time of contracting, and other directly related costs. All expenses shall be billed at cost to a maximum of \$2,500.00.

ADDITIONAL SERVICES – We consider additional services to include changes made after a phase of work has been accepted and we have been authorized by the Client to proceed to the next phase or because of Client changes to previous Project

budget parameters or Project requirements. An additional services lump sum proposal shall be submitted to the owner for approval prior to the start of any out-of-scope work.

HOURLY RATES

Partner	\$350.00/hour
Principal	\$225.00/hour
Senior Associate	\$175.00/hour
Associate	\$125.00/hour
Project Staff	\$100.00/hour
Administrative	\$90.00/hour

Hourly rates shall be reviewed annually and may be increased in accordance with annual salary and cost-of-living reviews.

OWNER RESPONSIBILITIES – This scope assumes the owner will provide or complete the following work:

1. Removal of the game fence and existing trees within the project area.
2. Topographic Survey

EXCLUSIONS TO THE CONTRACT

1. Topographic and boundary surveys
2. Existing site engineering and utility base information
3. Soil engineering, geotechnical consultant services, or related testing
4. Structural engineering
5. Archeological Investigation
6. Environmental Investigation
7. LEED Documentation
8. Graphics
9. City of Hutto permitting and associated fees

Adam Orgain Trail Extension
Revised - 9/13/23
IPO 23-10B-002

ID	Task Name	Duration	Start	Finish
1	Project Kick-off	1 day	Thu 10/5/23	Thu 10/5/23
2	Survey By Owner	1 wk	Fri 10/6/23	Thu 10/12/23
3	Construction Documents	30 days	Fri 10/13/23	Thu 11/23/23
4	Review Set to Owner	3 wks	Fri 10/13/23	Thu 11/2/23
5	Owner Review	5 days	Fri 11/3/23	Thu 11/9/23
6	Update Drawings for Bid & Permit	2 wks	Fri 11/10/23	Thu 11/23/23
7	Permitting	10 days	Fri 11/24/23	Thu 12/7/23
8	Bidding	8 wks	Fri 12/8/23	Thu 2/1/24
9	Construction	4 wks	Fri 2/2/24	Thu 2/29/24



ADDENDUM TO TASK ORDER # 23-010B-002

By my signature below, I hereby certify and verify that the Master Services Agreement for On Demand Services Landscape Architecture Rotation List, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Clark Condon Associates, Inc.

By:

A handwritten signature in blue ink that reads 'Elizabeth Gilbert'.

Print Name: Elizabeth Gilbert
Title: Managing Principal

AGENDA ITEM REPORT

11.21.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-247 authorizing the City Manager to execute an Individual Project Order (IPO) with Cobb Fendley and Associates Inc., in the amount of \$9,600 for Survey Services on the Adam Orgain Restroom Facility project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-200 regarding Rotation List for Surveying professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work is surveying services in support of the project.

The purpose of this item is to award an Individual Project Order (IPO) to Cobb Fendley and Associates, Inc. as an approved consultant of the City's selected firms on the Surveying rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

AGENDA ITEM REPORT

11.21.



This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$165,000. There have been no encumbrances to date for this project. There are two other IPO's for approval for this project on tonight's agenda. If all three IPO's are awarded, there will be \$110,323 available for this project in FY 2024.

ATTACHMENTS:

1. 20230922 CobbFendley Res for Adam Orgain Park RR
2. Exh A Task Order_Surveying_CobbFendley_MSA 23-08A_.09.11.23
3. TO Addendum - Certification and Verification HB 1295No Boycott CFA (Adam Orgain Park RR)

RESOLUTION NO. R-2023-247

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN COBB FENDLEY & ASSOCIATES, INC AND THE CITY OF HUTTO IN THE AMOUNT OF \$9,600.00 FOR THE ADAM ORGAIN PARK RESTROOM FACILITY; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected Cobb Fendley & Associates, Inc. to be included as part of the Surveying rotation list; and

WHEREAS, the City Council desires to execute a task order with Cobb Fendley & Associates, Inc., in the amount of \$9,600.00 for services related to the Adam Orgain Park Restroom Facility Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Cobb Fendley & Associates, Inc., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Cobb Fendley & Associates, Inc.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of ___AYES; ___NAYS; ___ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER IPO 23-08A-002

Proposed SURVEYING ROTATION LIST

In accordance with Agreement for On Demand Services Survey Services Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order IPO 23-08A-002: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: COBB, FENDLEY & ASSOCIATES, INC.

Specific Project (title): Adam Orgain Restroom Facility – Site To Be Determined

- 1) Scope of services for Survey Services will include the following field services:
 - a. Establish Horizontal and Vertical Survey Control
 - b. Topo Survey of Approximately 500' x 500' area (Site to be determined at a later date by engineer)
 - c. Tree Survey within limits of Topo Survey
 - d. Utility Locate of Above Ground Evidence of Water, Wastewater and Electrical Facilities
 - e. Boundary Determination if required

2. Fee: NTE \$9,600.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-23**, 2023 at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order {IPO 23-08A-002} is September 21, 2023.

OWNER:

CONSULTANT:

COBB, FENDLEY & ASSOCIATES, INC.

By:

By:



Print Name:

Print Name: Dan Warth

Title: _____

Title: Executive Vice President



ADDENDUM TO TASK ORDER #23-08A-002

By my signature below, I hereby certify and verify that the Master Services Agreement for Surveying Professional Services, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Cobb, Fendley & Associates, Inc.

By:

A handwritten signature in blue ink, appearing to read 'Dan Warth'.

Print Name: Dan Warth

Title: Executive Vice President

AGENDA ITEM REPORT

11.22.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-227 authorizing the City Manager to execute an Individual Project Order (IPO) with Sunland Group, LLC in the amount of \$6,237.11 for the Parks Security Cameras project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-202 regarding Rotation List for Architecture and Landscape Architecture professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

Sunland Group is pleased to provide the City of Hutto with a fee proposal for the first phase of this task. Based upon conversations with Patrica Davis and Jeffery White, the overall scope needs to be defined before it can be designed. Sunland Group proposes to provide the City with preliminary programming services to better define a system which will meet the City's needs. At the completion of this phase, we will present the City with an additional service request to design the selected system at selected locations.

The purpose of this item is to award an Individual Project Order (IPO) to Sunland Group, LLC. as an approved consultant of the City's selected firms on the Architecture and Landscape Architect rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

AGENDA ITEM REPORT

11.22.



Staff recommends approval

FISCAL NOTES:

This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$40,000. There have been no encumbrances to date for this project. If this IPO is awarded, there will be \$33,763 available for this project in FY 2024.

ATTACHMENTS:

1. 20230928 SG Resolution for Security Cameras
2. Exh A Task Order_Architecture_Sunland_MSA 23-06C.9.7.23 - Security Cameras
3. HB1295 Addendum-Sunland-Security Cameras

RESOLUTION NO. R-2023-227

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING A TASK ORDER BETWEEN SUNLAND
GROUP, LLC. AND THE CITY OF HUTTO IN THE
AMOUNT OF \$6,237.11 FOR THE SECURITY CAMERAS
PROJECT; AUTHORIZING THE CITY MANAGER TO
EXECUTE THE TASK ORDER; PROVIDING PROPER
NOTICE & MEETING, AND PROVIDING AN EFFECTIVE
DATE.**

WHEREAS, the City of Hutto, Texas (“City”) selected Sunland Group, LLC. to be included as part of the Architecture and Landscape Architecture rotation list; and

WHEREAS, the City Council desires to execute a task order with Sunland Group, LLC., in the amount of \$6,237.11 for services related to the Security Cameras Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Sunland Group, LLC., in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Sunland Group, LLC.; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-10C-003

Proposed ARCHITECTURE ROTATION LIST

In accordance with Agreement for On Demand Services Architecture Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-10C-003: September 21, 2023
 - b. Owner: City of Hutto
 - c. Vendor: SUNLAND GROUP, LLC

Specific Project (title): Security Cameras at Multiple Parks

- 1) Scope of services for Multiple Parks will include the following field services:
 - a. Programming Services

2. Fee: NTE \$6,237.11 (includes anticipated mileage expenses)

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-22-2023** at 12PM CST.

Point of Contact

Matt Rector

City Engineer

Matt.Rector@HuttoTX.gov

512-759-4025

Any questions must be In writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order #23-10C-003 is September 21, 2023.

OWNER:

CONSULTANT:

By:

By:

Brandy Waters

Print Name:

Print Name: Brandy Waters

Title: _____ Title: President

September 12, 2023

Patricia Davis
CIP Engineer
City of Hutto
500 W. Live Oak Street
Hutto, TX 78634

Re: Professional Services for #23-10C-003 Cameras at Multiple Parks

Mrs. Davis,

We value the opportunity to bring our professional expertise to your project and developing a long-lasting relationship with your organization. Below is our understanding of the scope and effort for providing professional services:

Summary:

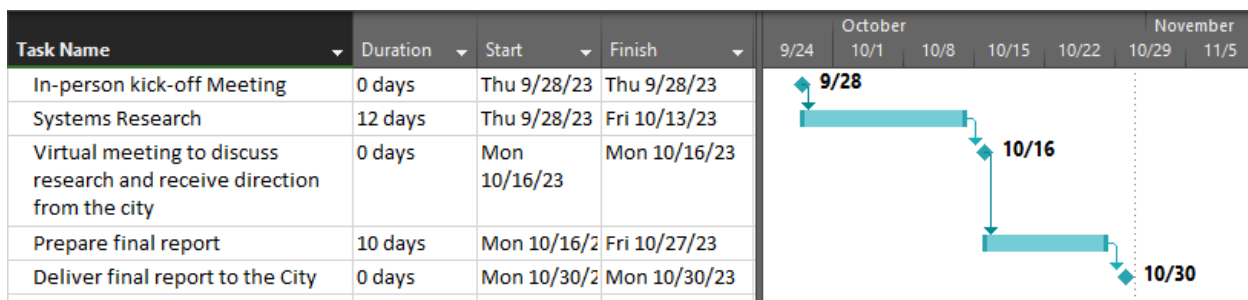
Demolish existing restroom facility to add a new RR (Engineer/Architect will determine best option for full replacement with prefabricated building or vertical construction.

Based upon conversations with Patrica Davis and Jeffery White the overall scope needs to be defined before it can be designed. Sunland Group proposes to provide the city with preliminary programming services to better define a system which will meet the City's needs. At the completion of this phase, we will present the city with an additional services request to design the selected system at selected locations.

Scope of Services:

1. Programming service will include:
 - a. In-person kickoff meeting.
 - b. Virtual Meetings as required.
 - c. Systems research
 - d. Final report recommendations

Schedule:



Compensation:

Compensation for the scope of services will be accomplished for a not to exceed (NTE) fee of **\$6,237.11**.

Assumptions:

1. At the completion of this phase, we will present the city with an additional services request to design the selected system at selected locations.

Thank you for this opportunity, we look forward to a successful project.

Sincerely,

A handwritten signature in blue ink that reads "Dale Austin". The signature is fluid and cursive, with the first name "Dale" and last name "Austin" clearly legible.

Dale Austin, AIA, TX RA #17150
Vice President of Architecture
Sunland Group, Inc.

Fee Breakdown



Cost Proposal by Cost and Type
City of Hutto - Security Cameras at Parks

Task	Description	Labor	Sub Consultants	Expenses	Total Price
100	Pre-Design	\$ 3,181.11	\$ 3,000.00	\$ 56.00	\$ 6,237.11
200	Schematic Design (SD)	\$ -	\$ -	\$ -	\$ -
300	Design Development (DD)	\$ -	\$ -	\$ -	\$ -
400	Construction Documents (CD)	\$ -	\$ -	\$ -	\$ -
500	Construction Administration (CA)	\$ -	\$ -	\$ -	\$ -
600	Closeout	\$ -	\$ -	\$ -	\$ -
700	Open	\$ -	\$ -	\$ -	\$ -
800	Open	\$ -	\$ -	\$ -	\$ -
Totals		\$ 3,181.11	\$ 3,000.00	\$ 56.00	\$ 6,237.11

Total Extended Price \$ 6,237.11

HUB Breakdown	Total Labor & Subs	HUB %	Comments
Architecture	\$ 3,181.11	51%	Prime Firm
Civil / Planning	\$ -	0%	Prime Firm
Cost Estimating	\$ -	0%	Prime Firm
-	\$ -	0%	Prime Firm
Combs	\$ 3,000.00	49%	
Sub #2	\$ -	0%	
Sub #3	\$ -	0%	
Sub #4	\$ -	0%	
Sub #5	\$ -	0%	
Sub #6	\$ -	0%	
HUB Total	\$ 6,181.11	100%	

City of Hutto - Security Cameras at Parks			Category:	Architecture			-	Totals	
LABOR			Title:	Managing Architect	Senior Architect	Architect			
Task	Sub Task	Description	Bill Rate:	\$ 198.82	\$ 160.08	\$ 109.04			
			Task Fee:	\$ 3,181.11	\$ -	\$ -		\$ 3,181.11	Task Fee
100		Pre-Design	Task Hours:	16	0	0	0	16	Task Hours
	1	2 In-person meetings.		4				4	
	2	Virtual Meetings as required		4				4	
	3	Systems Research		2				2	
	4	Final report recommendations		4				4	
	5	Project Oversight		2				2	
	6							0	
	7							0	
	8							0	
	9							0	
	10							0	
	11							0	
	12							0	
	13							0	
	14							0	
	15							0	
			Hours:	16	0	0	0	16	Total Hours
			Labor:	\$ 3,181.11	\$ -	\$ -		\$ 3,181.11	Total Labor
			Summation:			\$ 3,181.11	\$ -	\$ 3,181.11	Summation

[illegible]



Hourly Rate Table

City of Hutto - Security Cameras at Parks

Titles	Rates:
President	\$ 198.87
Managing Architect	\$ 198.82
Senior Architect	\$ 160.08
Architect	\$ 109.04
Managing Engineer	\$ 168.74
Professional Engineer IV	\$ 144.63
Professional Engineer III	\$ 120.53
Professional Engineer II	\$ 102.45
Engineer in Training IV	\$ 98.83
Engineer in Training I	\$ 78.34
Supervisory CAD IV	\$ 126.56
Managing Land Planner	\$ 120.53
Cost Manager / QAQC	\$ 200.31
Project Controls Manager	\$ 150.66
Chief Estimator	\$ 99.32
Mechanical Estimator	\$ 97.60
Electrical Estimator	\$ 92.96
Structural/Civil Estimator	\$ 155.03
Junior Estimator	\$ 84.33
-	\$ -
-	\$ -
-	\$ -
-	\$ -



ADDENDUM TO TASK ORDER # 23-10C-003

By my signature below, I hereby certify and verify that the Master Services Agreement for Consulting Services, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: Sunland Group, Inc.

By: Brandy Waters

Print Name: Brandy Waters
Title: President

AGENDA ITEM REPORT

11.23.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-248 authorizing the City Manager to execute an Individual Project Order (IPO) with Braun Inertec, Inc. in the amount of \$5,559 for Geotechnical Services on the Adam Orgain Restroom Facility project (Matt Rector)
Meeting: Thursday, September 28, 2023
Department: Engineering /
Staff Contact: Matt Rector

BACKGROUND INFORMATION:

On September 7, 2023 the City Council approved Resolution no. R-2023-201 regarding Rotation List for Geotechnical Engineering professional services with four consulting firms as a mechanism for Construction Related Professional Services (engineering/architecture) where the City hires multiple firms based on demonstrated competence and qualifications to perform a general scope of services and makes individual assignments on a rotating basis.

Firms have been assigned projects in the order that they were selected. So, the first contract is assigned to the first consultant, followed by the next and repeats after the last consultant assignment. The cycle then repeats. If a firm is unable or unwilling to execute a project, the next firm in line will then be used. This initial contract would be good for FY 2024. However, there are two one-year extensions possible for each of these firms.

The scope of work is geotechnical engineering services for drilling, laboratory testing, and geotechnical report in support of the project.

The purpose of this item is to award an Individual Project Order (IPO) to Braun Intertec, Inc. as an approved consultant of the City's selected firms on the Geotechnical Engineering rotation list.

SUMMARY OF REQUEST:

Approval of the resolution as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

AGENDA ITEM REPORT

11.23.



This project is being funded by the Park Improvement Fund (40-060-032-6681).

The budget for this project in FY 2024 is \$165,000. There have been no encumbrances to date for this project. There are two other IPO's for approval for this project on tonight's agenda. If all three IPO's are awarded, there will be \$110,323 available for this project in FY 2024.

ATTACHMENTS:

1. 20230922 Braun Resolution for Adam Orgain RR
2. Exh A Task Order_Geotechnical_MSA 23-07D_Braun Intertec_Adam Orgain RR
3. Addendum to Task Order #23-07D-002

RESOLUTION NO. R-2023-248

A RESOLUTION OF THE CITY OF HUTTO, TEXAS, APPROVING A TASK ORDER BETWEEN BRAUN INTERTEC CORPORATION AND THE CITY OF HUTTO IN THE AMOUNT OF \$5,559.00 FOR THE ADAM ORGAIN PARK RESTROOM PROJECT; AUTHORIZING THE CITY MANAGER TO EXECUTE THE TASK ORDER; PROVIDING PROPER NOTICE & MEETING, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Hutto, Texas (“City”) selected Braun Intertec Corporation to be included as part of the Geotechnical Engineering services rotation list; and

WHEREAS, the City Council desires to execute a task order with Braun Intertec Corporation, in the amount of \$5,559.00 for services related to the Adam Orgain Park Restroom Project; and

WHEREAS, the City Council desires to authorize the City Manager to execute a task order with Braun Intertec Corporation, in the form included in the contract documents and approved by the City Attorney, for the contract price, and within the contract time in accordance with other terms and conditions of the contract documents agreed to by Braun Intertec Corporation; and

WHEREAS, the City Council authorizes the City Manager to execute any change orders to the contract that are less than \$50,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the City Manager to execute the Task Order, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

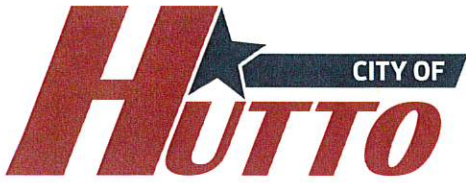
PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary



TASK ORDER #23-07D-002

Proposed GEOTECHNICAL ENGINEERING & CONSTRUCTION MATERIALS TESTING SERVICES ROTATION LIST

In accordance with Agreement for On Demand Services Geotechnical Engineering and Construction Materials Testing Services Rotation List between the City of Hutto (Owner) and Vendor, the parties agree as follows:

1. Background Data
 - a. Effective Date of Task Order #23-07D-002: September 28, 2023
 - b. Owner: City of Hutto
 - c. Vendor: BRAUN INTERTEC CORPORATION

Specific Project (title): New Adam Orgain Park Restroom

- 1) Scope of services for Geotechnical Engineering Services will include the following services:
 - a. Drilling one (1) soil boring to a depth of 15 feet within the footprint of the proposed new restroom.
 - b. Geotechnical laboratory testing of selected soil samples recovered during drilling operations.
 - c. Preparation of a geotechnical evaluation report providing recommendations and guidelines for use in the preparation of appropriate design and other related construction documents.
 - d. Refer to attached proposal for a detailed outline of the scope of geotechnical services for this project.

2. Fee: Lump Sum Fee - \$5,559.00

3. Deadline: This form is to be signed along with any supplementary materials and must be submitted to Matt Rector, City Engineer via email by **9-28-2023** at 12PM CST.

Point of Contact
Matt Rector
City Engineer
Matt.Rector@HuttoTX.gov
512-759-4025

Any questions must be in writing and responses will be provided within 24 hours and shared with other On Demand firms under contract with the City.

Vendor agrees to provide the services within this Task Order and Vendor is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

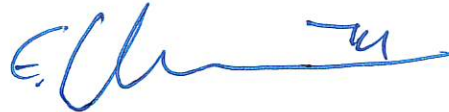
The Effective Date of this Task Order #23-07D-002 is September 28, 2023.

OWNER:

CONSULTANT: BRAUN INTERTEC
CORPORATION

By:

By:



Print Name:

Print Name: E. Allen Dunn, III

Title: _____ Title: Business Unit Leader

September 21, 2023

Proposal QTB185303

Mr. Matt Rector
City of Hutto
500 West Live Oak Street
Hutto, Texas 78634

Re: MSA 23-07D, Task Order #23-07D-002
New Adam Orgain Park Restroom
1001 County Road 137
Hutto, Texas

Dear Mr. Rector:

Braun Intertec Corporation respectfully submits this proposal to perform a geotechnical evaluation and provide geotechnical engineering services for use in the design and construction of a new restroom in the Adam Orgain Park under MSA 23-07D, Task Order #23-07D-002. The Adam Orgain Park is located at 1001 County Road 137 in Hutto, Texas.

Project Description

Based on our conversation with Ms. Patricia Davis, MSCE, PE, LGPP with the City of Hutto, we understand that a new restroom structure will be constructed at the Adam Orgain Park. We understand this restroom structure will consist of a two (2) hole unisex restroom with a chase/workspace. A water spigot will be included inside the chase area. This structure will be constructed using Concrete Masonry Units (CMU) and will be supported on a monolithic slab and grade beam foundation. This structure will be approximately 300 feet in plan area.

We understand this structure will likely be located near the amphitheater at the northernmost fence corner of the amphitheater area. Based on imagery obtained from Google Earth, it appears that the ground surface in the area of the amphitheater is relatively flat with a gradual slope downward toward the south. As a result, we anticipate that relatively little earthwork will be undertaken to regrade the site around this planned structure. Furthermore, we anticipate that there will be minimal earthwork to reduce any Potential Vertical Rise (PVR) that may result from expansive clay soils that may be present at the project site.

If any of the above information is not correct, please contact us so that we can make the necessary modifications to this document.

Purpose

The purpose of our geotechnical evaluation is to characterize subsurface conditions within the limits of the project site and develop geotechnical engineering recommendations and guidelines for use in preparing appropriate design and other related construction documents for the proposed project. We

AA/EOE

will perform our services in accordance with generally accepted engineering practices prevailing at the time and in the geographical area of the project location.

Scope of Services

Our engineering services will involve three (3) phases of work including 1) Field, 2) Laboratory, and 3) Geotechnical Engineering. If we encounter unfavorable or unforeseen conditions during the completion of the tasks that lead us to recommend an expanded scope of services, we will contact you to discuss the conditions before resuming our services.

Field

Field Program

The field program for this project will involve the drilling and sampling of the exploratory boring at selected locations across the project site. We will begin our field services by conducting site reconnaissance to:

- Observe and document the surface conditions and topographic features at the site.
- Mark the planned boring locations by pacing distances and estimating right angles from existing landmarks or by using a hand-held, recreational grade Global Positioning System (GPS) unit.
- Adjust the boring locations as needed to avoid overhead or identified underground utilities or other surface or subsurface obstructions.

One (1) soil boring will be drilled to a nominal depth of 15 feet within the footprint of the planned restroom structure. The boring depths will be referenced below the ground surface at the time of our drilling operations. Surveying the boring locations for horizontal control or elevation is not included in our scope.

Please note that, as of the submittal of this proposal, the exact location of the restroom has not been determined. The location of the planned restroom must be provided to us prior to the commencement of our field operations so that our boring may be properly located within its footprint.

Our field exploration will include:

- The soil boring will be drilled using straight flight drilling methods.
- Four to five samples will be taken in the upper 10 feet and at five (5) foot intervals thereafter until boring termination. Soil samples will be collected in general accordance with ASTM D1586 (Standard Penetration Test) or ASTM D1587 (thin-walled Shelby tube). If rock is encountered, sampling may be attempted using the Standard Penetration Test (SPT) method in general accordance with ASTM D1586. Rock cores will not be taken as a part of this project.
- Our field technical representative will conduct various field tests on the recovered samples, classify the samples, and record the appropriate data on a field log. The samples will be appropriately packaged to be transported to our laboratory for testing.
- The boring will be checked for the presence of groundwater upon completion of drilling operations.

- The depth of any groundwater encountered during drilling operations. The boring will be backfilled promptly after completion of drilling operations and groundwater observations, and long-term groundwater observations will not be made.

Site Access

Our field program assumes the following site access conditions:

- Right of entry is granted to conduct our field program.
- Field services can be performed during normal working hours (Monday through Friday, 7 am to 5 pm), although we may want to work other times at our discretion, if possible.
- We anticipate needing a truck-mounted drilling rig to access the boring location.

Utility Clearance

As a part of our field program, Braun Intertec will contact Texas 811 to have participating utility companies notified of the pending subsurface penetration. We will also retain a private utility locator to scan the area around our soil boring location in an attempt to locate any utilities or other buried objects that may be present within the vicinity of that boring location. **We request that the City of Hutto notify us of the locations of any buried utilities or other buried objects within the limits of the project site prior to commencement of private utility locate services.** While we will make a reasonable effort to locate any utilities or underground objects within a radius of approximately 10 feet of our boring location, we cannot guarantee that any utilities or buried objects found to be present in the project area will be located. Accordingly, Braun Intertec will not be responsible for unidentified or misidentified utilities or other buried objects that may be damaged by our drilling operations. Furthermore, we reserve the right to stop work if utilities or underground objects are suspected or known to exist, but whose locations cannot be accurately determined.

Areas of maintained grass may include buried irrigation systems consisting of regularly spaced sprinkler heads attached to underground water piping and associated valving. These systems are typically buried at relatively shallow depths and can be easily damaged by the passage of truck-mounted drilling equipment. Furthermore, these systems can be very difficult to locate, even with private locating services. Therefore, we request that the City of Hutto or their authorized representative mark the locations of these systems (especially the sprinkler heads) and provide Braun Intertec locations where our drilling equipment can safely cross over these systems without damaging them. ***Braun Intertec will not be responsible for damage to any buried irrigation systems that are not marked prior to the commencement of our drilling operations.***

Permits

We understand that the City of Hutto will not require any permits for our field operations, including drilling the geotechnical boring planned for this project. Therefore, we have not included the cost of obtaining city permits in this proposal. **If permits are necessary for the performance of our field activities as a part of this project become necessary, we will invoice the costs of those permits at cost plus fifteen percent.**

Site Restoration

Upon completion of our field program, we will backfill the borehole with bentonite. Braun Intertec will take reasonable efforts to reduce damage to the property that may result from site access by heavy truck

and erection of the drilling derrick. However, it should be understood that in the normal course of our work some disturbance could occur. Please let us know if there are any restrictions or special requirements regarding this site prior to commencing work at the site.

Laboratory

We will return recovered samples to our laboratory where we will review and log them and assign laboratory testing. We will determine the specific types and quantities of tests based on the subsurface conditions encountered, design parameters and engineering experience. We anticipate the laboratory testing could include, but is not limited to the following:

- Moisture content
- Atterberg limit
- Percent passing the No. 200 sieve
- Soluble sulfates

We will perform testing in general accordance with ASTM International (ASTM) or Texas Department of Transportation (TxDOT) procedures. We will retain the recovered samples for 90 days after completion of laboratory testing unless the client requests other arrangements.

Geotechnical Engineering

We will perform engineering analyses necessary for the development of geotechnical recommendations for this project. We will submit a geotechnical engineering report as a PDF file by email. Using the field and laboratory data collected for this project, geotechnical engineering analyses will be performed to provide the following information:

- Information regarding site subsurface conditions, including:
 - Stratigraphy encountered in our boring
 - Groundwater conditions encountered during and after drilling operations.
- Earthwork recommendations for:
 - Building pad preparation for the “as-is” Potential Vertical Rise (PVR) along with a target PVR value of about one (1) inch.
 - General site preparation.
- Applicable 2015 International Building Code Seismic Site Classification.
- Parameters for the design of shallow foundation systems for the structure, including:
 - Bearing pressures.
 - Bearing depths.
 - Estimated foundation heave and settlement.
 - Soil parameters for use in the CRSI, WRI, and PTI slab-and-grade beam design methodologies
- Specifications for selection of general and select fill materials.
- Specifications for placement of general and select fill materials.
- General comments and applicable recommendations related to geotechnical conditions and foundation design or construction, including:
 - Temporary slopes and OSHA Soil Types.
 - Consideration for construction methods and sequences.
 - Potential difficulties that may be encountered during earthwork or foundation installation.

- An engineering report will be prepared by a Licensed Engineer in the State of Texas that will include the above information. The engineering report will also include:
 - A description of the drilling and sampling procedures.
 - Boring location plan depicting the location of the boring drilled for this project.
 - Boring log with soil stratification and groundwater levels (if applicable) during and after drilling.
 - Summary of the laboratory data.

Compensation

We will furnish the services described in this proposal for a lump sum fee of **\$5,559.00**, which includes up to one hour of post deliverable consulting time. Additional requests for meetings, consulting or modifications to the report will be billed at a rate of \$225 per hour.

Our fee is based on the site being accessible to our truck-mounted drilling equipment. Our fee does not include services associated with site clearing, wet ground conditions, tree or shrub clearing, damage to existing crops, landscape, restoration of the site, or underground utilities beyond contacting Texas 811. If such conditions are known to exist on the site, we should be notified so that we may adjust our scope of services and fee, if necessary.

We will not exceed this fee without prior approval. Should we encounter subsurface conditions that, based on our professional judgement, warrant significant revisions in the scope of services and fees, we will contact you for authorization prior to initiating additional services.

Our work may extend over several invoicing periods. As such, we will submit partial progress invoices for work we perform during each invoicing period.

Additional Services

We have not included potential costs for stand-by time or work that is not included in the above Scope of Services. Costs for stand-by time (defined as time spent by our field crew due to circumstances that are beyond our control or beyond the Scope of Services indicated above) will be charged at a rate of \$350 per hour. For work beyond the scope of services discussed in this proposal, we will prepare a supplemental proposal defining the scope of the additional work and will provide a cost estimate for that additional scope of services.

Schedule

We understand that notice to proceed is expected on or about October 1, 2023. Accordingly, we anticipate performing our work according to the following schedule.

- Drill rig mobilization – We anticipate drilling the soil boring planned for this project approximately five (5) business days after notice to proceed.
- Field exploration – We anticipate drilling operations will take one (1) day to complete.
- Classification and laboratory testing – Within two (2) weeks after completion of field exploration

- Report submittal – Approximately four (4) to five (5) weeks after notice to proceed, contingent on issues related to weather conditions during field operations.

If we cannot complete our proposed scope of services according to this schedule due to circumstances beyond our control, we may need to revise this proposal prior to completing the remaining tasks.

Closing Remarks

We appreciate the opportunity to present this proposal to you. The geotechnical services for this proposal will be performed in general accordance with the established agreement between the City of Hutto and Braun Intertec Corporation designated as MSA 23-007D and Task Order IPO 23-07D-002 dated September 28, 2023. ***Please sign and return a copy of this proposal in its entirety.*** To have any questions answered or schedule a time to meet and discuss our approach to this project further, please contact Allen Dunn adunn@braunintertec.com at 210.625.4900.

Sincerely,

BRAUN INTERTEC CORPORATION
TBPELS Firm Registration No. F-12228



E. Allen Dunn, III, PE
Business Unit Leader – Central Texas

The proposal is accepted, and you are authorized to proceed.

Authorizer's Firm

Authorizer's Signature

Authorizer's Name (please print or type)

Authorizer's Title

Date



ADDENDUM TO TASK ORDER #23-07D-002

By my signature below, I hereby certify and verify that the Master Services Agreement for Geotechnical Engineering and Construction Materials Testing Services, Paragraph 18. Miscellaneous Provisions, (i) HB 1295 COMPLIANCE AND NO BOYCOTT PROVISIONS, have been complied with and that the HB 1295 Form is on file with the City Secretary and that I will Not Boycott Israel, Energy Companies or Firearm Entities or Trade Associations.

CONSULTANT: BRAUN INTERTEC CORPORATION

By: 

Print Name: E. Allen Dunn, III
Title: Business Unit Leader

AGENDA ITEM REPORT

11.24.



To: City Council
Subject: Consideration and possible action on Resolution No. R-2023-217 regarding an events management agreement per Section 3.12 of the Hutto Co-Op District Amended and Restated Master Development Agreement (Kristi Barnes)
Meeting: Thursday, September 28, 2023
Department: Community Services /
Staff Contact: Kristi Barnes

BACKGROUND INFORMATION:

The City and Developer are parties to that certain Hutto Co-Op District Amended and Restated Master Development Agreement dated May 4, 2023;

Per that agreement, the City and Developer are required to enter into an Event Management Agreement to fulfill the provisions of 3.12 of the Development Agreement; and this agreement shall cover special events held within the Hutto Co-Op Development.

Summary:

- 5-year term
- The city has access to the town green space once per month for events & programs.

SUMMARY OF REQUEST:

Approval of resolution as presented.

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

No fiscal impact. The city shall not be required to pay additional compensation to the Developer to use the Town Green for a City-Sponsored Event and the City shall not charge admission for a City-Sponsored Event.

AGENDA ITEM REPORT

11.24.



ATTACHMENTS:

1. 20230911 Hutto Res Approving Event Management Agreement
2. Exh A Event Management Agreement 9.20.23 CLEAN

RESOLUTION NO. R-2023-217

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
APPROVING THE EVENT MANAGEMENT AGREEMENT
BETWEEN CITY OF HUTTO AND 420 US 79 LTD;
AUTHORIZING THE CITY MANAGER TO EXECUTE THE
AGREEMENT; PROVIDING PROPER NOTICE &
MEETING, AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City of Hutto, Texas (“City”) and 420 US 79 Ltd (“Developer”) are parties to the Hutto Co-Op District Amended and Restated Master Development Agreement dated May 4, 2023; and

WHEREAS, City and Developer are required to enter into an Event Management Agreement to fulfill the provisions of 3.12 of the Development Agreement; and

WHEREAS, the Event Management Agreement will cover special events held within the Hutto Co-Op Development; and

WHEREAS, the City Council desires to authorize the City Manager to execute the Event Management Agreement (“Agreement”), attached as Exhibit A.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: The Hutto City Council hereby approves and authorizes the City Manager to execute the Agreement, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

PASSED & APPROVED by the CITY COUNCIL of the CITY OF HUTTO, on the 28th day of September 2023 on vote of __AYES; __NAYS; __ABSTENTIONS.

THE CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

EXHIBIT "A"

EVENT MANAGEMENT AGREEMENT

The City of Hutto, Texas, a home-rule municipal corporation with principal administrative offices at Hutto City Hall, 500 West Live Oak Street, Hutto, Texas 78634, in Williamson County ("City") and 420 US 79, Ltd., a Texas limited partnership with principal offices at 230 Klattenhoff Lane Ste. 102, Hutto, Williamson County ("Developer"), each a "Party" and collectively the "Parties", enter into this Event Management Agreement (the "Agreement"), for the purpose of fulfilling the provisions of Section 3.12 of the Hutto Co-Op District Amended and Restated Master Development Agreement, on the ____ day of _____, 2023 ("Effective Date").

RECITALS:

WHEREAS, the City and Developer are parties to that certain Hutto Co-Op District Amended and Restated Master Development Agreement dated May 4, 2023;

WHEREAS, pursuant to the Hutto Co-Op District Amended and Restated Master Development Agreement, City and Developer are required to enter into an Event Management Agreement to fulfill the provisions of 3.12 of the Development Agreement; and

WHEREAS, this Agreement shall cover special events held within the Hutto Co-Op Development;

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, the parties hereby agree as follows:

I. DEFINITIONS

"City Sponsored Event" means an event on the Town Green sponsored, planned, and booked by the City in accordance with this Agreement.

"Emergency Action Plan" means the documented strategy detailing the appropriate responses to various emergencies.

"Hutto Co-Op Development" or **"Co-Op"** means the development district that contains the Town Green, as further described herein.

"Hutto Co-Op District Amended and Restated Master Development Agreement" or **"Development Agreement"** means the agreement entered into by and between the Parties on May 4, 2023, attached hereto as **Exhibit A**.

"Town Green" means the green space area within the Co-Op which includes the Amphitheater, stage, splash pads, and all ancillary areas.

II. EXHIBITS

EXHIBIT A – HUTTO CO-OP DISTRICT AMENDED AND RESTATED MASTER DEVELOPMENT AGREEMENT

III. SCOPE OF AGREEMENT AND TERM

3.01 SCOPE OF AGREEMENT

This Agreement prescribes the rights, responsibilities, and processes through which the Parties agree to coordinate event management activities for the Hutto Co-Op Development and the Town Green.

3.02 TERM

This Agreement shall be effective upon dual execution by the Parties and shall remain in effect for a period of five (5) calendar years. The Parties may, by mutual written consent, continue to renew and extend this Agreement for five (5) year terms for so long as the Development Agreement is in effect.

IV. EVENTS SPONSORED BY THE CITY

4.01 RIGHTS AND RESPONSIBILITIES OF CITY

The City agrees and accepts the following rights and responsibilities as they relate to City sponsored events under this Agreement:

- (a) City shall have the right to sponsor, plan, and book events on the Town Green one (1) day each calendar month, subject to scheduling as provided below.
- (b) City may not assign its right to hold an event hereunder to a third party or organization. However, City may “partner” or otherwise “co-sponsor” events with third party organizations. In such case, the obligations and responsibilities of City as set forth herein shall continue to be applicable to City, and Developer may continue to look to City for fulfillment of such obligations and responsibilities.
- (c) City shall be responsible for all security, portable rest rooms, clean-up, and damage to the Town Green during a City Sponsored Event. City shall provide insurance coverage for City Sponsored Events, and name the Developer as an additional insured.
- (d) City shall coordinate with Developer’s event coordinator to schedule and plan City Sponsored Events, so that no other Developer sponsored events are scheduled at such time. The parties shall work to develop a schedule of events by the end of September of each year, for the upcoming year. To provide consistency in programming, City may designate a certain day each month (for example, third Thursday) for its events. For City Sponsored Events that need to be re-scheduled (for example because of inclement weather), the parties shall work together in good faith to find an alternate date that does not conflict with other planned events.

EXHIBIT "A"

- (e) City will provide Developer with reasonable information regarding upcoming City Sponsored Events, to allow Developer an opportunity to plan therefor.
- (f) City shall communicate with Tenants and other occupants within the Co-Op regarding City Sponsored Events that might impact parking or otherwise negatively impact their businesses. City shall be mindful of parking needs of Co-Op businesses, and work to ensure that parking plans will allow customers to reach Co-Op businesses during open hours.
- (g) City will advertise or market all City Sponsored Events as being “sponsored [or “co-sponsored”] by the City of Hutto” or other similar language that will indicate to the public that the City is a sponsor of the event. City must adhere to any restrictive covenants and zoning laws dealing with prohibited uses, and must further adhere to any exclusives contained in leases within Co-Op restricting certain types of sales.
- (h) City must provide for prompt clean-up of the Town Green (or other areas within the Co-Op, such as parking areas and streets that were obviously utilized) after any City Sponsored Event, even if such falls on a weekend or holiday. With respect to trash receptacles, clean-up shall include consolidation of all trash receptacles (whether temporary trash cans brought in for the event, or trash located in permanent trash cans in and around the Town Green) into one area reasonably located away from existing businesses and high use corridors. Such consolidated trash receptacles shall be picked up on the first business day after the event. For damage requiring more than simple clean-up, City must provide thorough site repair as reasonably prompt as possible.
- (i) Because the Town Green has been imposed with public access easements, the City shall assist with policing the Town Green (similar to other public spaces).
- (j) City acknowledges that construction within the Co-Op shall be ongoing for a number of years. Therefore, in planning and scheduling events, City shall coordinate with Developer regarding construction activity, as well as planned maintenance.

4.02 RESPONSIBILITIES OF DEVELOPER

The Developer agrees and accepts the following rights and responsibilities as they relate to City sponsored events under this Agreement:

- (a) Developer will ensure selected dates under Section 4.01(d) are fully available for City use and will not schedule other events in a manner that unduly burdens the event management practices of the City.
- (b) Developer shall, for selected dates under Section 4.01(d), provide the City with either:

EXHIBIT "A"

- i. Full access to a clean, clear, and readily usable Town Green, or
- ii. Reasonable access to the Town Green for the purposes of setting up for an event. Access to the Town Green for pre- and post-event practices shall be granted for, at a minimum, eight (8) hours prior to the scheduled start of the event.

4.03 COMPENSATION AND ADMISSION

The Parties agree, as it may related to events sponsored by the City, to the following:

- (a) City shall not be required to pay additional compensation to Developer to use the Town Green for a City Sponsored Event.
- (b) City shall not charge admission for a City Sponsored Event.

V. EVENTS SPONSORED BY DEVELOPER

5.01 RIGHTS AND RESPONSIBILITIES

Developer agrees and accepts the following rights and responsibilities as they relate to Developer sponsored events under this Agreement:

- (a) Developer shall coordinate with City's event coordinator to keep the City apprised of expected events.
- (b) Developer may impose reasonable use restrictions on the Town Green when no City Sponsored Events are scheduled, such as restricting team practices, for-profit businesses, prior Town Green offenders (i.e., individuals that have previously violated Developer's use restrictions), and providing hours of use.
- (c) Developer will maintain the Town Green in a first-class condition. Developer will adopt a maintenance binder that includes specific maintenance of the Town Green.
- (d) Developer may assign its rights and obligations hereunder to a subsequent developer that assumes such role under the Development Agreement, or to the Hutto HCD Owners' Association.
- (e) Developer shall ensure the Town Green remains open to the public, except in the event of construction, maintenance, or planned events. Developer may fence off portions of the Town Green to provide safety from construction taking place adjacent to it.
- (f) Developer shall work with the City to develop a schedule of events by the end of September of each year, for the upcoming year.

EXHIBIT "A"

5.02 PERMITTING AND EMERGENCY ACTION PLANS

The Parties agree, with respect to events sponsored by Developer in the Hutto Co-Op, to the following:

- (a) City shall not require a special event permit if the anticipated crowd size is five hundred (500) people or less, and no public street closures are required.
- (b) If the anticipated crowd size is more than 500 people, or if a public street closure is required, then Developer will comply with City's Special Event permit requirements (on file with the City's Community Outreach & Programs Manager, or other successor department).
- (c) Developer shall prepare and file, for either event categorized by (a) or (b) above, an Emergency Action Plan tailored to the specific details of the event.
- (d) If a Special Event permit is required, the City will provide a streamlined process for obtaining such permit.

VI. MISCELLANEOUS

6.01 NOTICES

Any notice required under this Agreement shall be deemed delivered when deposited either in the United States mail (postage paid, certified, return receipt requested) or with a common carrier (overnight, signature required) to the appropriate parties below.

Developer

420 US 79, Ltd.

Attn: Wyatt Henderson and Bob Wunsch

230 Klattenhoff Lane, Suite 102

Hutto, TX 78634

whenderson@madev.com; bob@waterstonedevelopment.com

With copy to:

Butler Family Interests

Attn: Matt Harriss

PO Box 9190

Austin, TX 78766

mharriss@butlerinterests.com

City

The City of Hutto

Attn: City Manager

500 West Live Oak Street

Hutto, TX 78634

Email: James.Earp@Huttotx.gov

With copy to:

Bojorquez Law Firm, PC
Attn: Alan Bojorquez, City Attorney
11675 Jollyville Road, Suite 300
Austin, Texas 78759
Email: dottie@texasmunicipallawyers.com

6.02 AMENDMENT

This Agreement may be amended only by the mutual written agreement of the Parties. The Parties understand and agree that all amendments are subject to final approval by the City Council.

6.03 ENTIRE AGREEMENT

This Agreement constitutes the entire agreement between Developer and the City. To the maximum extent permitted under the law, no terms shall be implied by operation of law or otherwise. This Agreement shall supersede all previous communications, representations, or agreements, either oral or written. Any changes or amendments must be agreed to in a writing signed by both parties.

6.04 FORCE MAJEURE

Except as otherwise provided herein, an equitable adjustment shall be made for delay or failure in performing if such delay or failure is caused by conditions beyond the Party's reasonable control. Events of Force Majeure include, but are not limited to, the following:

- (a) Acts of God;
- (b) Extreme weather events;
- (c) Pandemics or similar occurrence;
- (d) Orders or acts of civil or military authority; or
- (e) Riots or acts of terrorism.

6.05 DISCLOSURE OF INTERESTED PARTIES

Developer will comply with Section 2252.908 of the Texas Government Code, which requires Developer to fill out a conflict of interest form ("Disclosure of Interested Parties") and file it with the City at the time the signed Agreement is submitted to the City. The City then files it with the Texas Ethics Commission. For further information please go to the Texas Ethics Commission website via the following link.
https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm.

6.06 VERIFICATION REGARDING ENERGY COMPANY BOYCOTTS.

To the extent this Agreement constitutes an Agreement for goods or services for which a written verification is required under Texas law, Developer hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any, do not boycott energy companies and Developer represents that it will not boycott energy

EXHIBIT "A"

companies during the term of this Agreement. The foregoing verification is made solely to comply with the Texas Government Code. It does not contravene applicable Texas or federal law. As used in the foregoing verification, "boycott energy companies" shall have the meaning assigned to the term "boycott energy company" in Section 809.001(1), Texas Government Code. Developer understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with Developer and exists to make a profit.

6.07 VERIFICATION REGARDING DISCRIMINATION AGAINST FIREARM ENTITY OR TRADE ASSOCIATION.

To the extent this Agreement constitutes an agreement for the purchase of goods or services for which a written verification is required under Texas law, Developer hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any do not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association, and Developer represents that it will not discriminate during the term of this Agreement against a firearm entity or firearm trade association. The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, "discriminate against a firearm entity or firearm trade association" shall have the meaning assigned to such term in Section 2274.001(3), Texas Government Code (as added by Senate Bill 19). Developer understands "affiliate" to mean an entity that controls, is controlled by, or is under common control with Developer and exists to make a profit.

6.08 GOVERNING LAW AND VENUE

This Agreement, and all rights and obligations of the Parties hereto, shall be governed by and construed in accordance with the laws of the State of Texas, exclusive of conflict of law provisions. Venue of any suit brought under this Agreement shall be in a court of competent jurisdiction in Williamson County, Texas. Parties irrevocably waive any objection to personal jurisdiction on *forum non conveniens*.

6.09 SEVERABILITY

In the event that any provision of this Agreement is deemed illegal, invalid, or unenforceable, it is the intent of the Parties that the remainder of this Agreement shall not be affected.

EXHIBIT "A"

6.10 COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall be an original, and all such counterparts shall together constitute one and the same Agreement.

6.11 CONSIDERATION

This Agreement is executed by and between the Parties hereto without coercion or duress and for substantial consideration, the sufficiency of which is hereby acknowledged.

[SIGNATURE PAGE TO FOLLOW]

EXHIBIT "A"

EXECUTED this _____ day of _____, 2023.

CITY:

CITY OF HUTTO, TEXAS,
a home rule city and municipal corporation

By: _____
James Earp, City Manager

APPROVED as to form:

_____, City Attorney

EXHIBIT "A"

EXECUTED this _____ day of _____, 2023.

DEVELOPER:

420 US 79, LTD.,

a Texas limited partnership

By: 420 US 79 GP, LLC,

A Texas limited liability company,

Its General Partner

By: BCP GP, LLC,

A Texas limited liability company,

Its Sole Member

By: _____
Edward S. Butler, Sole Member

VERIFICATION

State of Texas §

County of Williamson §

The undersigned hereby affirms under penalty of perjury that they are the authorized representative and agent of 420 US 79, LTD. for the purpose of making this verification, and that all representations in Paragraphs 6.06 and 6.07 of the foregoing Agreement, incorporated herein by this reference, are true.

Agent's Signature

Printed Name: _____

Title: _____

On this date personally appeared before me the above-named representative and agent of 420 US 79, LTD, who was known to or satisfactorily identified me, and affirmed under penalty of perjury that that all representations in Paragraphs 6.06 and 6.07 of the foregoing Agreement are true.

Notary Public

Date

EXHIBIT "A"

**EXHIBIT A
HUTTO CO-OP DISTRICT AMENDED AND RESTATED MASTER DEVELOPMENT
AGREEMENT**

AGENDA ITEM REPORT

11.25.



To: City Council
Subject: Consideration and possible action on approving the September 21, 2023 City Council work session meeting minutes (Angela Lewis)
Meeting: Thursday, September 28, 2023
Department: City Secretary /
Staff Contact: Angela Lewis

BACKGROUND INFORMATION:

Staff recommends that City Council approve the September 21, 2023 work session minutes.

SUMMARY OF REQUEST:

STAFF REVIEW:

FISCAL NOTES:

Fiscal impact not applicable

ATTACHMENTS:

1. 9.21.23 Work Session Minutes DRAFT



City of Hutto

MINUTES

City Council Work Session
Thursday, September 21, 2023 at 6:00 PM
Executive Conference Room

In accordance with the Texas Open Meetings Act this meeting agenda is posted for public information, continuously, for at least 72 hours prior to the scheduled time of the meeting on the bulletin board located on the exterior wall of the City Hall building at 500 West Live Oak, Hutto, Texas. This meeting agenda is also accessible via the Internet at www.huttotx.gov

1. CALL SESSION TO ORDER: 6:00 PM

2. ROLL CALL

Members of City Council present: Mayor Mike Snyder, Councilmember Brian Thompson, Councilmember Randal Clark, Councilmember Dan Thornton, Mayor Pro Tem Peter Gordon, Councilmember Amberley Kolar, Councilmember Dana Wilcott

Absent: None

Members of staff present: James Earp, City Manager; Anne LaMere, Interim Finance Director, Matt Rector, City Engineer, Cheney Gamboa, Economic Development Assistant Director, Ashley Bailey, Development Services Director, Allison Struheck, Communications Director, Angela Lewis, City Secretary

3. OTHER BUSINESS

- 3.1 Discussion on Fritz Park's master plan concept including but not limited to approval of the concept, optional components, and parks and recreation office (Jeff White)

Jeff White, Parks Director, introduced Shane Howard, Dale Clark and David Lestage of Burditt Consultants who presented the conceptual plan of Fritz Park.

4. ADJOURNMENT – 6:57 p.m.

ATTEST:

Mike Snyder, Mayor

Angela Lewis, City Secretary

AGENDA ITEM REPORT

11.26.



To: City Council
Subject: Consideration and possible action on Ordinance No. O-2023-070 regarding a budget amendment to increase the amount of Waste Management Expense from Fund Balance in the amount of \$400k (Second Reading) (Anne LaMere)
Meeting: Thursday, September 28, 2023
Department: Finance /
Staff Contact: Anne LaMere

BACKGROUND INFORMATION:

Due to Winter Storm Mara, expenses were incurred for debris pickup. Additionally, it was recently identified that about \$1 per bin size has been included in the Solid Waste Utility Billing amounts and has been deposited into the Solid Waste Fund 70 instead of General Fund 10. A correction will be made for the current year. This budget amendment is being requested in order to increase the value of the Al Clawson PO for trash pickup by \$400k. Additional revenues will be collected over budget in the amount of \$109,399. The remainder will need to come from Fund Balance in Fund 70.

Exhibit A Budget Amendment 9/21/2023

Responsibility / Account Code	Solid Waste Fund 70	Proposed Budget		
		Original Budget	Amendment	Revised Budget
70-5204	Waste Management Fees	2,250,000	109,399	2,359,399
70-080-010-6461	Waste Management Services	2,260,670	400,000	2,660,670
70-3001	Fund Balance	855,504	(290,601)	564,903

SUMMARY OF REQUEST:

Approve Ordinance as presented

STAFF REVIEW:

Staff recommends approval

FISCAL NOTES:

There is adequate fund balance in order to fund the amount needed for the Al Clawson purchase order.

AGENDA ITEM REPORT

11.26.



ATTACHMENTS:

1. 2023.09.21_Hutto_ORD-2023-Budget-Amendment_solid_waste

ORDINANCE NO. O-2023-0xx

AN ORDINANCE OF THE CITY OF HUTTO, TEXAS, AMENDING THE BUDGET FOR THE FISCAL YEAR OF OCTOBER 1, 2022, THROUGH SEPTEMBER 30, 2023, BY APPROPRIATING AND SETTING ASIDE THE NECESSARY FUNDS FOR ADDITIONAL REVENUES AND EXPENDITURES IN ACCORDANCE WITH EXISTING STATUTORY REQUIREMENTS; FINDING MUNICIPAL PURPOSES; PLACING ADDITIONAL RESTRICTIONS ON SAID FUNDS; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR ENGROSSMENT AND ENROLLMENT; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City Council for the City of Hutto, Texas, adopted the City's Fiscal Year 2022-2023 Budget in September of 2022; and

WHEREAS, pursuant to Texas Local Government Code Section 102.010, the City Council has determined that it is necessary to amend the City's Fiscal Year 2022-2023 Budget, and that the budget amendment serves a municipal purpose; and

WHEREAS, after adoption of the budget, the City Council may by ordinance make certain amendments to the budget pursuant to Section 8.07 of the City of Hutto Home Rule Charter; and

WHEREAS, pursuant to Section 8.07(a) of the City of Hutto Home Rule Charter, after adoption of the budget, if the City Manager certifies that there are revenues available for appropriation in excess of those estimated in the budget, the City Council may by ordinance make supplemental appropriations for the year up the amount of such excess; and

WHEREAS, pursuant to Section 8.07(b) of the City of Hutto Home Rule Charter, after adoption of the budget, the City Council may by ordinance make emergency appropriations to meet a public emergency affecting life, health, property, or the public peace, or to avoid a material cost or public expense; and

WHEREAS, pursuant to Section 8.07(d) of the City of Hutto Home Rule Charter, after adoption of the budget, the City Council may by ordinance transfer part or all of the unencumbered appropriation balance from one department or major organizational unit to the appropriations for other departments or major organizational units; and

WHEREAS, pursuant to Section 8.07(d) of the Charter, the City Manager may transfer part or all of any unencumbered appropriation balances among programs within a department or organizational unit and shall report such transfers to the City Council no later than the next regular City Council meeting; and

WHEREAS, Exhibit A shows the proposed budget amendments as follows: (1) amending Solid Waste revenues (\$109,399) and expenses (\$400,000) with corresponding decrease to Fund Balance to cover the difference of (\$290,601) to increase the Purchase Order with Al Clawson for trash pickup within the City. This difference was caused by two items as follows: 1) Winter Storm Mara debris pickup and 2) movement of revenues associated with street maintenance to the General Fund.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL FOR THE CITY OF HUTTO, TEXAS, THAT:

SECTION 1. The foregoing recitals are incorporated into this Ordinance by reference as findings of fact as if expressly set forth herein.

SECTION 2. The appropriations for the fiscal year beginning October 1, 2022, and ending September 30, 2023, for the support of the general government of the City of Hutto, Texas, shall be amended as shown in Exhibit A.

SECTION 3. The amendment, as shown in words and figures in Exhibit A, is hereby approved by the City Council in all aspects and adopted as an amendment to the City budget for the fiscal year October 1, 2022, through September 30, 2023.

SECTION 4. A copy of the amended budget shall be placed in the office of the Williamson County Clerk as required by Texas Local Government Code Section 102.011.

SECTION 5. It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable and, if any phrase, sentence, paragraph or section of this Ordinance should be declared invalid by the final judgment or decree of any court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance, since the same would have been enacted by the City Council without the incorporation of this ordinance of any such invalid phrase, clause, sentence, paragraph or section. If a court of competent jurisdiction to be invalid shall adjudge any provision of this Ordinance, the invalidity shall not affect other provisions or applications of this Ordinance that can be given effect without the invalid provision, and to this end the provisions of this Ordinance are declared to be severable.

SECTION 6. All ordinances or parts of ordinances and sections of the City Code of Ordinances in conflict with this ordinance are hereby repealed to the extent of such conflict.

SECTION 7. The City Secretary is hereby directed to engross and enroll this Ordinance by copying the exact Caption and Effective Date clause in the minutes of the City Council and by filing this Ordinance in the Ordinance records of the City.

SECTION 8. It is hereby officially found and determined that the meeting at which this ordinance is passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act, Chapter 551 of the Texas Government Code.

SECTION 9. This Ordinance shall be in full force and effect immediately upon its passage and publication, when such a requirement is satisfied as required by law.

PASSED AND APPROVED on First Reading the ____ day of _____, 2023.

PASSED AND ADOPTED on Second Reading the ____ day of _____, 2023.

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

Exhibit A Budget Amendment 9/21/2023

Exhibit A Budget Amendment 9/21/2023				
Responsibility / Account Code	Solid Waste Fund 70	Original Budget	Proposed Budget Amendment	Revised Budget
70-5204	Waste Management Fees	2,250,000	109,399	2,359,399
70-080-010-6461	Waste Management Services	2,260,670	400,000	2,660,670
70-3001	Fund Balance	855,504	(290,601)	564,903

AGENDA ITEM REPORT

11.27.



To: City Council
Subject: Consideration and possible action on Ordinance No. O-2023-061 approving the Annexation of the TCR Allora Tract, 16.954 Acres, more or less of Land and to Establish the Base Zoning as MF (Multi-Family) located on the west side of CR132 approximately 0.46 miles north of US 79 (Second Reading) (Ashley Bailey)
Meeting: Thursday, September 28, 2023
Department: Development Services /
Staff Contact: Ashley Bailey

BACKGROUND INFORMATION:

This is a voluntary annexation request., This item is in connection with the Municipal Services Agreement Resolution on this agenda with the same name. Annexation requests are presented to City Council after the Service Extension Request approval by City staff and after Council consideration and action on approving the Municipal Services Plan for the property, as required by state law.

SUMMARY OF REQUEST:

All properties are contiguous to existing city limits and the annexation is in conformance with all annexation laws.

All properties, upon annexation, are zoned in conformance with the Future Land Use Map. This tract will be zoned Multiple Household/Multi-Family (MF) in substantial conformance with the Complete Neighborhoods land use designation. Complete Neighborhoods allow for mixed uses including residential, office, retail, and others uses. These uses are more likely to be horizontally mixed as opposed to vertical mixed-use. The density, intensity and scale are lower and more compatible with residential neighborhood land uses. The property owners signed an annexation development agreement in 2019, thus it is now being voluntarily annexed prior to development. The Development Agreement was recently amended to provide additional details on the development and is attached to this item.

Specifically, MF District is defined as:

The MF district is a setting for development of multi-unit residential structures and developments, such as apartment and condominium complexes, garden and courtyard multifamily residential buildings, and residential loft buildings. Density must range from 14 to 20 dwelling units per acre net density, depending on the context of the development.

STAFF REVIEW:

AGENDA ITEM REPORT

11.27.



Staff recommends approval of the voluntary annexation request.

FISCAL NOTES:

Annexation of this tract will allow the City to collect property taxes and bill for water, sewer, and trash.

ATTACHMENTS:

1. TCR_Allora_Hutto_Annexation_Newspaper_Map
2. TCR Allora Annex Ord - all exhibits
3. R-2023-092_TCR Allora Tract Development Agreement

TCR Allora Hutto Annexation (16.954 acres)



CR-132

BLUEJACK WAY

R325292

R020257

CAROL DR

LIMMER LOOP

0 750 1,500 3,000

Feet

This map was produced for the sole purpose of aiding the City of Hutto in planning purposes and is not warranted for any other use. No warranty is made by creator or city regarding its accuracy or completeness.

ORDINANCE NO. O-2023-061

AN ORDINANCE ANNEXING CERTAIN HEREINAFTER DESCRIBED ADJACENT AND CONTIGUOUS TERRITORY TO THE CITY OF HUTTO, TEXAS, TO WIT: 16.954 ACRES, MORE OR LESS, OF LAND, DESCRIBED IN EXHIBIT “A”, ALL OF SAID PROPERTY BEING SITUATED IN WILLIAMSON COUNTY, TEXAS, AND ALL ADJACENT ROADWAYS BEING FOR ANNEXATION; EXTENDING THE BOUNDARY LIMITS OF HUTTO SO AS TO INCLUDE SAID PROPERTY WITHIN HUTTO’S CITY LIMITS; FINDING THAT ALL NECESSARY AND REQUIRED LEGAL CONDITIONS HAVE BEEN SATISFIED; PROVIDING THAT SUCH PROPERTY SHALL BECOME A PART OF THE CITY OF HUTTO AND THAT THE OWNERS AND INHABITANTS THEREOF SHALL BE ENTITLED TO THE RIGHTS AND PRIVILEGES OF OTHER CITIZENS AND BE BOUND BY THE ACTS, ORDINANCES, RESOLUTIONS AND REGULATIONS OF THE CITY NOW IN EFFECT AND THOSE WHICH ARE HEREINAFTER ADOPTED; PROVIDING FOR A SEVERABILITY CLAUSE AND PROVIDING AN EFFECTIVE DATE; PROVIDING FOR A SAVINGS CLAUSE AND REPEALING CONFLICTING ORDINANCES OR RESOLUTIONS.

WHEREAS, the City of Hutto, Texas (the “City”) is a duly constituted home-rule municipality and, as such, is authorized to annex territory subject to the laws of the State of Texas and subject to its Charter, and;

WHEREAS, pursuant to Section 43.028 of the Texas Local Government Code, the owners of the tracts of land containing 16.954 acres, more or less, of land, being out of the J.B. Bealle Survey, Abstract No. 97 in Williamson County, Texas, and being more particularly described in **Exhibit “A”** attached hereto and made part hereof by reference for all purposes, have petitioned the City Council in writing to annex the Property, and;

WHEREAS, the procedures prescribed by the Charter of the City of Hutto and the applicable laws of the State of Texas have been duly followed with respect to the Property, and;

WHEREAS, such Property is (a) one-half mile or less in width; (b) contiguous to the City; and (c) vacant and without residents or on which fewer than three (3) qualified voters reside, and;

WHEREAS, after considering the public testimony received at each hearing, the City Council of the City of Hutto determines that annexation of the Property is proper in all respects and that such action is in the best interests of the community and its citizens, and;

WHEREAS, and every requirement set forth in Chapter 211, Sub-Chapter A., Texas Local Government Code, concerning public notices, hearings, and other procedural matters has been fully complied with, and;

WHEREAS, the City Council of the City of Hutto determines that the Property for annexation which is more fully described in **Exhibit “A”** should become annexed.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS:

SECTION I.

That all of the above recitations are found to be true and correct and are incorporated into the body of this ordinance.

SECTION II.

That the Property described in the attached **Exhibit “A”**, together with adjacent roadways, be and is hereby annexed and brought within the corporate city limits of the City of Hutto, Texas, and same is hereby made an integral part hereof; and that the boundary limits of the City of Hutto be the same are hereby extended to include the above described territory within the city limits of the City of Hutto, and the same shall hereinafter be included within the territorial limits of the City of Hutto, Texas and designated as MF (Multi Family Residential – Multiple Household) Zoning District.

SECTION III.

That the owners and present and future inhabitants of the area herein annexed be entitled to all rights and privileges of other citizens and property owners of the City of Hutto, and hereby bound by all acts, ordinances, resolutions and regulations of the City, and all other legal actions now in full force and effect and all those which may be hereafter adopted.

SECTION IV.

That the appropriate city official of the City of Hutto is hereby directed and authorized to perform or cause to be performed all acts necessary to correct the official maps and boundaries of the City of Hutto, heretofore adopted and amended, so as to include the aforementioned territory hereby annexed, be and are hereby amended as part of the City of Hutto, Texas, as required by law.

SECTION V.

That the City Secretary is hereby directed and authorized to file a certified copy of this ordinance in the Office of the County Clerk of Williamson County, Texas.

SECTION VI.

If any section, subsection, sentence, phrase, or word of this ordinance be found to be illegal, invalid or unconstitutional or if any portion of said Property is incapable of being annexed by the City, for any reason whatsoever, the adjudication shall not affect any other section, sentence, phrase, word, paragraph or provision of this ordinance or the application of any other section, sentence, phrase or provision of any other ordinance of the City. The City Council declares that it would have adopted the valid portions and applications of this ordinance and would have annexed the valid Property without the invalid part, and to this end the provisions of this ordinance are declared to be severable.

SECTION VIII.

A. All ordinances, parts of ordinances, or resolutions in conflict herewith are hereby expressly repealed.

B. The invalidity of any section or provision of this ordinance shall not invalidate other sections or provisions thereof.

C. That City Council hereby finds and declares that written notice of the date, hour, place, and subject of the meeting at which this ordinance was adopted was posted and that such meeting was open to the public as required by law at all times during which this ordinance and the subject matter thereof were discussed, considered, and formerly acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

SECTION IX.

This ordinance shall take effect and be in force from and after its passage.

READ and **APPROVED** on first reading on this the **21st** day of **September, 2023** at a meeting of the Hutto, Texas City Council; there being a quorum present.

READ, PASSED and **ADOPTED** on second reading of ordinance this the ___ day of _____, **2023** at a meeting of the Hutto, Texas City Council; there being a quorum present.

CITY OF HUTTO, TEXAS

Mike Snyder, Mayor

ATTEST:

Angela Lewis, City Secretary

BOUNDARY DESCRIPTION, AS SURVEYED

16.954 ACRES (738,512 SQUARE FEET) OF LAND IN WILLIAMSON COUNTY, TEXAS, BEING OUT OF THE JOSIAS B. BEALLE SURVEY, ABSTRACT 97, SAID 16.954 ACRES BEING ALL OF THAT TRACT OF LAND DESCRIBED AS 16.95 ACRES IN THE DEED FROM ALLAN HAUSMANN AND WIFE, PORTIA HAUSMANN TO 2120HUTTO, LLC DATED NOVEMBER 15, 2021, AND RECORDED IN DOCUMENT NO. 2021174495, WILLIAMSON COUNTY RECORDS.

BEGINNING AT THE NORTHEAST CORNER OF A 100.261 ACRE TRACT OF LAND DESCRIBED IN A DEED TO DORIS LAVERN GREINERT RECORDED IN VOLUME 816, PAGE 643, RECORDS OF WILLIAMSON COUNTY, ALSO BEING THE NORTHEAST CORNER OF SAID 2120HUTTO, LLC 16.95 ACRE TRACT, ALSO BEING THE SOUTHEAST CORNER OF A 231.815 ACRE TRACT RECORDED IN DOCUMENT NO. 2003065952, AND ALSO BEING IN THE WEST RIGHT-OF-WAY OF COUNTY ROAD 132. SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "R.J. SURVEYING".

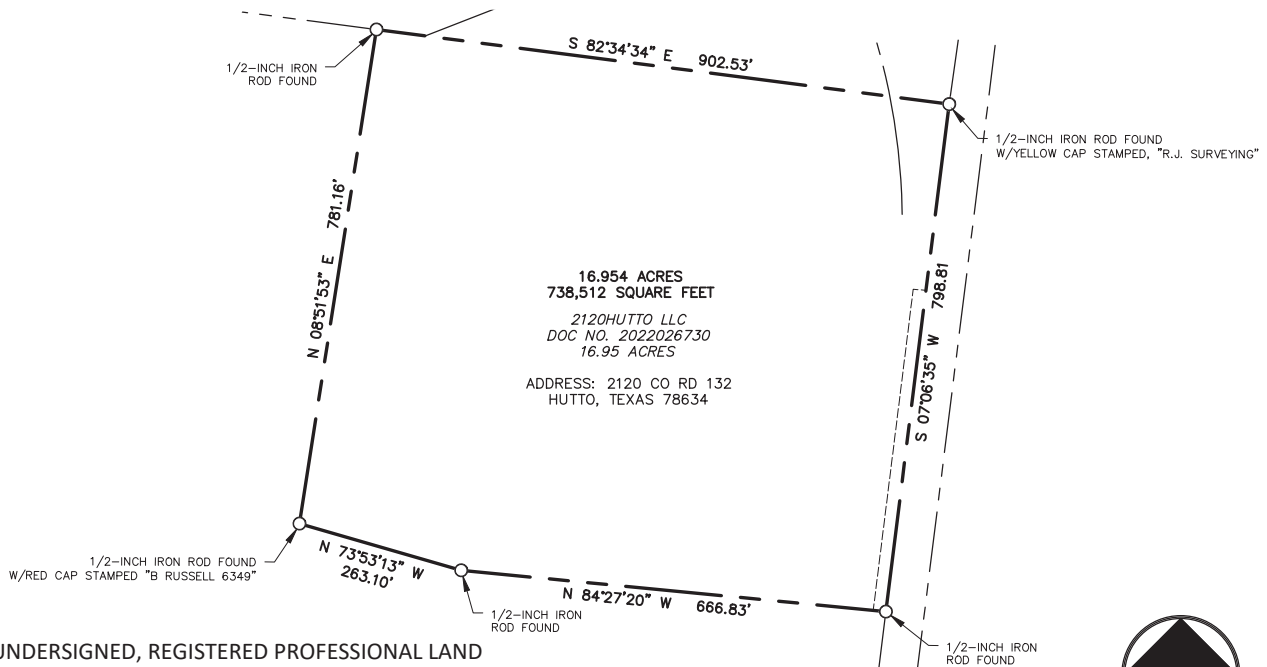
THENCE S 07°06'35" W 798.81' ALONG THE EAST LINE OF SAID 100.261 ACRE TRACT AND ALONG THE EAST LINE OF SAID 16.95 ACRE TRACT AND ALONG THE WEST RIGHT-OF-WAY OF COUNTY ROAD 132 TO THE SOUTHEAST CORNER OF SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" IRON ROD;

THENCE ALONG THE SOUTHERLY LINE OF SAID 16.95 ACRE TRACT AND CUTTING THROUGH SAID 100.261 ACRE TRACT AS FOLLOWS:

- **N 84°27'20" W 666.83'** TO AN ANGLE POINT CORNER, SAID CORNER MARKED BY A FOUND 1/2" IRON ROD;
- **N 73°53'13" W 263.10'** TO THE SOUTHWEST CORNER SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "B RUSSELL 6349";

THENCE N 08°51'53" E 781.16' ALONG WESTERLY LINE OF SAID 16.95 ACRE TRACT TO THE NORTH LINE OF SAID 100.261 ACRE TRACT AND THE SOUTH LINE OF A SAID 231.815 ACRE TRACT, SAID POINT BEING THE NORTHWEST CORNER OF SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "R.J. SURVEYING".

THENCE S 82°34'34" E 902.53' ALONG THE NORTH LINE OF SAID 100.261 ACRE TRACT AND THE SOUTH LINE OF SAID 231.815 ACRE TRACT AND THE NORTH LINE OF SAID 16.95 ACRE TRACT TO THE POINT OF BEGINNING, HAVING AN AREA OF 16.954 ACRES (738,512 SQUARE FEET), AS SHOWN ON THE ACCOMPANYING PLAT. BEARINGS ARE RELATIVE TO STATE PLANE COORDINATES, NAD 83(2011), TEXAS CENTRAL ZONE. DISTANCES AND AREAS REFLECT THE APPLICATION OF A COMBINED SCALE FACTOR OF 1.00012 AND THUS REPRESENT SURFACE MEASUREMENTS. SET STAKES ARE 1/2" REBAR WITH WESTWOOD PLASTIC IDENTIFIER CAPS.



THE UNDERSIGNED, REGISTERED PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFIES THAT THIS PLAT OF SURVEY ACCURATELY SETS OUT THE METES AND BOUNDS OF THE TRACT DESCRIBED.

PRELIMINARY

THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT. RELEASED 8/4/22.

MICHAEL JACK NEEDHAM
REGISTERED PROFESSIONAL
LAND SURVEYOR NO. 5183

08/31/2022

TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

LEGEND	
---	PROPERTY LINE
---	EASEMENT LINE
○	POINT FOR CORNER (UNLESS OTHERWISE NOTED)
(C.M.)	- CONTROLLING MONUMENT



0 150 300 600
GRAPHIC SCALE IN FEET



8701 N. MOPAC EXPY, SUITE 320
AUSTIN, TX 78759
512.485.0831

ALLORA HUTTO

PART OF THE
JOSIAS B. BEALLE SURVEY,
ABSTRACT NO. 97,
WILLIAMSON COUNTY, TEXAS
PAGE 1 OF 1

DRAWN BY	CHECKED BY	SCALE	DATE	JOB NUMBER
ZNBM	ETB	1"=300'	08/31/2022	4910-22.332

16.954 ACRES (738,512 SQUARE FEET) OF LAND IN WILLIAMSON COUNTY, TEXAS, BEING OUT OF THE JOSIAS B. BEALLE SURVEY, ABSTRACT 97, SAID 16.954 ACRES BEING ALL OF THAT TRACT OF LAND DESCRIBED AS 16.95 ACRES IN THE DEED FROM ALLAN HAUSMANN AND WIFE, PORTIA HAUSMANN TO 2120HUTTO, LLC DATED NOVEMBER 15, 2021, AND RECORDED IN DOCUMENT NO. 2021174495, WILLIAMSON COUNTY RECORDS.

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* * * * *

I, MICHAEL JACK NEEDHAM, REGISTERED PROFESSIONAL LAND
SURVEYOR OF TEXAS, DO HEREBY CERTIFY THAT THE ABOVE DESCRIBES
THE BOUNDARIES OF THE PROPERTY DEPICTED ON THE ACCOMPANYING PLAT,
THIS THE 20TH DAY OF JUNE 2022.

MICHAEL JACK NEEDHAM, RPLS 5183
PACHECO KOCH, A WESTWOOD COMPANY
FIRM LS-10008000

RESOLUTION NO. R-2023-092

**A RESOLUTION OF THE CITY OF HUTTO, TEXAS,
AMENDING A DEVELOPMENT AGREEMENT BETWEEN
2120HUTTO LLC AND THE CITY OF HUTTO;
AUTHORIZING THE MAYOR TO EXECUTE THE
DEVELOPMENT AGREEMENT; PROVIDING PROPER
NOTICE & MEETING, AND PROVING AN EFFECTIVE
DATE.**

WHEREAS, the City Council desires to enter into a development agreement between 2120Hutto, LLC and the City of Hutto; and

WHEREAS, the City Council desires to authorize the Mayor to execute the development agreement ("Agreement"), attached as Exhibit A.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HUTTO, TEXAS, THAT:

Section 1: The findings set forth in the recitals of this Resolution are hereby found to be true and correct and are hereby adopted as findings of the City Council and are incorporated into the body of this Resolution as if fully set forth herein.

Section 2: That the Hutto City Council hereby approves and authorizes the Mayor to execute the Agreement, attached as Exhibit A, a copy of same being attached hereto and incorporated herein for all purposes.

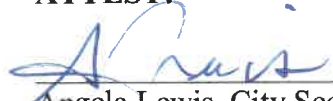
Section 3: The City Council hereby finds and declares that written notice of the date, hour, place and subject of the meeting at which this Resolution was adopted was posted and that such meeting was open to the public as required by law at all times during which this Resolution and the subject matter hereof were discussed, considered and formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas Government Code, as amended.

Section 4. This Resolution shall take effect immediately upon its passage.

RESOLVED this 4th day of May, 2023.


Mike Snyder, Mayor

ATTEST:


Angela Lewis, City Secretary



**FIRST AMENDED ANNEXATION
AND DEVELOPMENT AGREEMENT**

THE STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

This First Amended Annexation and Development Agreement (this “Agreement”) dated August 17, 2023 (the “Effective Date”) is between the **City of Hutto, Texas**, a home rule municipality and political subdivision of the State of Texas situated in Williamson County, Texas (the “City”) and **2120Hutto LLC**, a Texas limited liability company (the “Owner”). In this Agreement, the City and Owner are sometimes individually referred to as a “Party” and collectively as the “Parties”.

RECITALS

WHEREAS, the Owner owns approximately 16.954 acres of land located in Williamson County, Texas, within the extraterritorial jurisdiction of the City (the “ETJ”), such real property being more particularly described in **Exhibit A** attached hereto and fully incorporated into this Agreement for all purposes (the “Property”); and

WHEREAS, the Owner desires to develop the Property as a multi-family residential project with private parkland, open space, and resident amenities; and

WHEREAS, on August 8, 2019, the City Council of the City of Hutto (the “City Council”) approved an annexation development agreement between the City and the then-owner of the Property, which is recorded in the Real Property Records of Williamson County, Texas, as Document No. 2019085042 (the “Original Development Agreement”); and

WHEREAS, per the Original Development Agreement, the City guaranteed the continuation of the extraterritorial status of the Property, its immunity from annexation by the City, and its immunity from City property taxes, subject to certain conditions; and

WHEREAS, the Owner has agreed to voluntarily petition the City to annex the Property into the full purpose boundaries of the City, with the understanding that the City will consider the annexation and zoning of the Property in the manner set forth in this Agreement; and

WHEREAS, the City has determined that development of the Property as provided herein will promote the orderly planning and development of the City, fund the creation and maintenance of new parkland, and provide new housing opportunities; and

WHEREAS, such annexation will expand the City’s tax base and increase its revenue; and

WHEREAS, the Original Development Agreement was entered into pursuant to Section 43.016 and Section 212.172 of the Texas Local Government Code; and

WHEREAS, the Parties agree that they have the authority to enter into this Agreement pursuant to Section 212.172 of the Texas Local Government Code and the City's Code of Ordinances (the "City Code"); and

WHEREAS, Section 212.172(b)(7) provides that the governing body of a municipality may make a written contract (i.e., a development agreement) with an owner of land that is located in the ETJ of a municipality to provide for the annexation of the land as a whole or in parts and to provide for the terms of annexation, if annexation is agreed to by the parties; and

WHEREAS, Section 212.172(b)(8) provides that a development agreement may specify the uses and development of the land before and after annexation, if annexation is agreed to by the parties; and

WHEREAS, Section 212.172(b)(9) provides that a development agreement may include other lawful terms and considerations the parties consider appropriate; and

WHEREAS, this Agreement shall apply to the Property in its entirety; and

WHEREAS, in accordance with all applicable Governing Regulations including but not limited to federal, state, and local laws, rules and regulations, including the Hutto City Code and Unified Development Code (the "UDC"), the City will provide wastewater services to the Property as provided herein; and

WHEREAS, the City and Owner desire to set forth in this Agreement certain terms and conditions for the planning, design, construction, and development of the Property.

NOW THEREFORE, for and in consideration of the mutual covenants of the Parties set forth in this Agreement, and for other good and valuable consideration the receipt and adequacy of which are acknowledged and agreed by the Parties, the Parties agree as follows:

ARTICLE I RECITALS INCORPORATED BY REFERENCE; DEFINITIONS

1.1 The recitals set forth above are true and correct and are incorporated herein and made a part hereof as findings for all purposes.

1.2 Definitions. All capitalized terms used in this Agreement shall have the meanings ascribed to them in this Article I, or as otherwise provided herein.

"Agreement" means this agreement by and between the City and Owner.

"City" means the City of Hutto, Texas.

"City Council" means the City Council of the City of Hutto.

"Effective Date" means the date set forth in the opening paragraph on page 1.

“**Governing Regulations**” means federal, state, and local laws, rules and regulations, the Hutto City Code, the Unified Development Code except as modified by the Development Regulations and this Agreement.

“**Land Use Plan**” means the concept plan attached hereto as **Exhibit B**, as such concept plan may be modified and changed from time to time as set forth in this Agreement. The Parties acknowledge and agree that the Land Use Plan is for illustrative purposes only and is only a general representation of the design.

“**LUE**” (or “Living Unit Equivalent”) means the capacity necessary to serve a single-family residential connection or its equivalent.

“**Owner**” means 2120Hutto LLC, a Texas limited liability company, and its successors and assigns that specifically assume the rights and obligations of this Agreement.

“**Parties**” means the City and Owner.

“**Party**” means the City or Owner.

“**Project**” means the Project as described in Articles II, III, and IV, and as generally depicted on the Land Use Plan.

“**Property**” means the real property described and shown on Exhibit A.

“**State**” means the State of Texas.

“**UDC**” means the Unified Development Code of the City as of the Effective Date.

ARTICLE II LAND USE, ANNEXATION, AND ZONING

2.1 Land Use. The Parties will work in good faith to designate the Property on the City’s Future Land Use Map as “High Density Residential”.

2.2 Annexation. As of the Effective Date, the Property has not been annexed, but is in the City’s ETJ. The execution of this Agreement serves as the Owner’s petition for voluntary annexation of the Property into the full purpose jurisdiction of the City and said Property shall be promptly annexed in accordance with the public notice and hearing requirements for voluntary annexations pursuant to Section 212.172(b)(7) of the Texas Local Government Code. The Agreement shall constitute a service plan in compliance with Subchapter C-3 of Chapter 43 of the Texas Local Government Code.

2.3 Zoning. Because the Property has not been annexed, it has not yet been zoned. The Parties agree that they will work together in good faith to zone the Property “Multifamily” residential (“MF”) subject to the modifications set forth in this Agreement. Upon approval of this Agreement, the Owner shall promptly submit an application for permanent zoning for the Property, the approval of which shall comply with all applicable public notice and hearing requirements. The Property shall be zoned contemporaneously

with annexation. Upon the adoption of permanent zoning for the Property, the applicable UDC provisions will be subject to the terms, provisions, and conditions of this Agreement.

ARTICLE III DEVELOPMENT REGULATIONS

3.1 Development Vision. The Property will be developed for a multi-family residential use including amenities for residents, preservation of an existing pond, and provision of on-site stormwater detention with internal connectivity. The Project will provide building setbacks that meet or exceed minimum setback requirements. The conceptual Land Use Plan depicting the general layout of the proposed Project is attached as **Exhibit B**. A Site Plan Exhibit describing the exterior building materials, balconies, and patios is attached as **Exhibit C**, and exhibits showing the typical building elevations are attached as **Exhibit D**. The ultimate design and construction materials shall substantially comply with the above-referenced Land Use Plan, Site Plan, and typical building elevations, which shall be binding on the Project. The Parties agree that minor deviations may be made to account for items such as design and site constraints identified at the time of the fully engineered site plan stage, so long as the ultimate design respects the depicted designs and required exterior building materials set forth in Paragraph 3.8 below. Any greater change shall require approval of the City Manager or the City Manager's designee.

3.2 Development Regulations. The Property shall be developed in accordance with the City's "Multifamily" residential ("MF") zoning district regulations as of the Effective Date with the modifications as set forth below.

3.3 Maximum density is 23 units per acre net density.

3.4 Maximum building height is 40 feet.

3.5 Maximum building height for an accessory structure is 25 feet.

3.6 Wall and roof planes must have offsets or setbacks with a differential in horizontal plane as follows:

3.6.1 for building facades greater than 100 feet but less than 200 feet, provide a minimum of two horizontal breaks of 4 feet minimum and a minimum of two horizontal breaks of 1 foot minimum; and

3.6.2 for building facades less than 100 feet, provide a minimum of two horizontal breaks of 2 feet minimum.

3.7 Minimum roof pitch for a building with pitched roofs is changed from a ratio of 6:12 to a ratio of 4:12.

3.8 Exterior building facade materials shall contain a minimum of 100 percent masonry, which is defined as stucco, cementitious siding (e.g., Hardie board and materials), and brick.

3.9 A minimum of 25% of all units shall include a balcony or patio.

3.10 Residential amenities shall be provided, including:

- (a) A walking trail for use by residents, including accessibility to and from all residential structures and the trail and connectivity other resident amenities;
- (b) Preservation and activation of the existing pond with residential amenities such as park benches and walking path;
- (c) A fenced-in dog park to accommodate both large and small breeds with separate spaces;
- (d) Indoor and outdoor bike storage facilities;
- (e) Outdoor yoga lawn;
- (f) Grilling stations; and
- (g) An amenity center with outdoor cooking facilities, lounge area, conference and meeting rooms, and exercise facility.

3.11 A hippo sculpture shall be installed on the Property at a location with visibility.

3.12 10.408.5 (Required fences, walls and hedges) is amended to allow for ornamental metal fencing instead of masonry columns.

3.13 10.408.6 (Gated communities) is amended to allow vehicular gates at the entry and exit.

ARTICLE IV MISCELANEOUS PROVISIONS

4.1 The Project. The proposed development of the Property (the “Project”) shall be generally consistent with the depicted conceptual land use plan (the “Land Use Plan”), a copy of which is attached as **Exhibit B**.

4.2 The Land Use Plan. The Owner may make major or minor amendments to the Land Use Plan upon notification to the City.

4.2.1 “Major Amendments” shall be those that (i) increase the overall number of Dwelling Units by more than ten percent (10%) of the units depicted on

the Land Use Plan (as the same may be adjusted by adding all or a portion of the Additional Land), or (ii) a change to the general alignment of any collector roadway identified on the Land Use Plan. Major amendments to the Land Use Plan shall require an application for amendment and approval by the City Council,

4.2.2 “Minor Amendments” are all amendments that do not meet the definition of Major Amendments. Minor amendments may be administratively approved by the City Manager. If the City Manager and Owner dispute the classification of an amendment as major or minor, the issue shall be referred to the City Council for final determination regarding whether the amendment is a Major or Minor amendment.

4.2.3 Amendments to the Land Use Plan shall not be considered a waiver of Owner’s rights that may accrue as long as the Project is not dormant pursuant to Chapter 245 of the Texas Local Government Code and has not changed to the point it would not constitute the same “project” pursuant to Chapter 245 of the Texas Local Government Code, as amended. If the Development Regulations are revised as provided by this section, the revised Development Regulations shall be attached to the official copy of this Agreement on file in the City Secretary’s office.

ARTICLE V THE PROJECT AND LAND USE PLAN

5.1 Annexation Disclosure. The Owner expressly acknowledges that the Owner is not required to enter into this Agreement and that annexation proceedings are subject to the Owner’s consent. This consensual annexation is authorized and governed by Subchapter C-3 of Chapter 43 of the Texas Local Government Code. Under Subchapter C-3, the City must conduct one public hearing, provide notice of this public hearing between ten and twenty days prior to the hearing, and negotiate a service plan with Owner. The annexation ordinance may be adopted at the conclusion of the public hearing. In accordance with Section 212.172(i) of the Texas Local Government Code, immunity from suit for the purpose of adjudicating a claim for breach of this Agreement is waived. The Parties acknowledge that this Agreement complies with Section 212.172(b-1) of the Texas Local Government Code and that this Agreement is authorized and governed by Subchapter C-3 of Chapter 43 of the Texas Local Government Code.

5.2 Exclusivity of the Governing Regulations. The Governing Regulations are exclusive, and no other ordinances, rules, regulations, standards, policies, orders, guidelines, or other City-adopted or City-enforced requirements of any kind (including but not limited to any moratorium) adopted by the City after the Effective Date apply to the development of the Property unless adopted pursuant to an exemption in accordance with state law or Chapter 245 of the Texas Local Government Code and unless preempted by applicable law.

5.3 Conflicts. In the event of any conflict between this Agreement and any City ordinance, rule, regulation, standard, policy, order, guideline or other City-adopted

or City-enforced requirement, this Agreement shall control unless otherwise allowed by state law or Chapter 245 of the Texas Local Government Code.

ARTICLE VI PUBLIC INFRASTRUCTURE; RETAIL UTILITY SERVICE

6.1 Retail Water and Wastewater Service. The City shall be the retail provider of wastewater service to the Property. Jonah Special Utility District shall be the retail provider of water service to the Property.

6.2 Public Infrastructure Generally. Oversizing of sewer public infrastructure to serve land outside the Property may be required as a condition to any development approval and any credits or reimbursements of impact fees assessed and collected for the development of the Property or other monetary compensation to reimburse for the full cost of such oversizing shall be provided for by separate agreement. No offsite roadway improvements shall be required for the development of the Property granted, however, that the Project shall only be required to cost participate or construct roadway improvements as determined by the City Engineer and only what is proportionate for servicing the Project, which is to dedicate half of the 86-foot right-of-way requirement from the center point of CR 132.

6.3 Wastewater Service. The City Engineer shall verify wastewater service to the Property with sufficient Living Unit Equivalents (“LUEs”) for the Project, which shall be no fewer than 281 LUEs (“Minimum LUEs”) upon final plat. Each dwelling unit in the Project will utilize 0.8 LUEs. The City and Owner will cooperate to ensure the extension of wastewater service to the Property as required by the Governing Regulations.

6.4 Drainage Public Infrastructure. All drainage public infrastructure shall be designed and sized by Owner according to the Governing Regulations and approval by City Engineer.

6.5 Maintenance. The City will own and maintain all of its public infrastructure constructed in connection with the development of the Property in perpetuity in accordance with the Governing Regulations as long as Owner provides a two-year maintenance bond.

6.6 Special Districts. The Owner agrees not to pursue the creation of a municipal utility district, fresh water supply district, water control and improvement district, public improvement district or other similar district to finance the cost of public infrastructure for the Property.

ARTICLE VII EVENTS OF DEFAULT; REMEDIES

7.1 Events of Default. No Party shall be in default under this Agreement until notice of the alleged failure of such Party to perform has been given (which notice shall

set forth in reasonable detail the nature of the alleged failure) and until such Party has been given a reasonable time to cure the alleged failure (such reasonable time to be determined based on the nature of the alleged failure, but in no event less than 30 days after written notice of the alleged failure has been given). In addition, no Party shall be in default under this Agreement if, within the applicable cure period, the Party to whom the notice was given begins performance and thereafter diligently and continuously pursues performance until the alleged failure has been cured.

7.2 REMEDIES. IF A PARTY IS IN DEFAULT, THE AGGRIEVED PARTY MAY, AT ITS OPTION AND WITHOUT PREJUDICE TO ANY OTHER RIGHT OR REMEDY UNDER THIS AGREEMENT, SEEK ANY RELIEF AVAILABLE AT LAW OR IN EQUITY, INCLUDING, BUT NOT LIMITED TO, AN ACTION UNDER THE UNIFORM DECLARATORY JUDGMENT ACT, SPECIFIC PERFORMANCE, MANDAMUS, AND INJUNCTIVE RELIEF, AND THE OWNER SHALL HAVE SELF-HELP REMEDIES AVAILABLE TO IT AS PROVIDED BY THIS AGREEMENT, NOTWITHSTANDING THE FOREGOING, HOWEVER, NO DEFAULT UNDER THIS AGREEMENT SHALL:

- (a) entitle the aggrieved Party to terminate this Agreement; or
- (b) entitle the Parties to suspend performance under this Agreement; or
- (c) adversely affect or impair the current or future obligations of the City to provide municipal services to the Property; or
- (d) entitle the aggrieved Party to seek or recover monetary damages of any kind; or
- (e) limit the Term.

7.3 Governmental Powers; Waivers of Immunity. To the extent permitted by law, the City waives its governmental immunity from suit and immunity from liability as to any action brought by a Party to pursue the remedies available under this Agreement, but only to the extent necessary to pursue such remedies. The City agrees that this Agreement constitutes a “contract subject to this subchapter” for purposes of Texas Local Government Code Chapter 271, Subchapter I. Nothing in this Agreement is intended to delegate or impair the performance by the City of its governmental functions, and the City waives any claim or defense that any provision of this Agreement is unenforceable on the grounds that it constitutes an impermissible delegation or impairment of the City’s performance of its governmental functions.

ARTICLE VIII ASSIGNMENT AND ENCUMBRANCE

8.1 Assignment. The Owner has the right to assign this Agreement, in whole or in part, and including any obligation, right, title, or interest of the Owner under this Agreement, to any person or entity (an “Assignee”) that is or will become an owner of any portion of the Property or that is an entity that is controlled by or under common

control with the Owner. Each assignment shall be in writing executed by the Owner and the Assignee and shall obligate the Assignee to be bound by this Agreement to the extent this Agreement applies or relates to the obligations, rights, title, or interests being assigned to the same extent as if the Assignee was the Owner. A copy of each assignment shall be provided to the City within 15 days after execution. From and after such assignment, the City agrees to look solely to the Assignee for the performance of all obligations assigned to the Assignee and agrees that Owner shall be released from subsequently performing the assigned obligations and from any liability that results from the Assignee's failure to perform the assigned obligations; provided, however, if a copy of the assignment is not received by the City within 15 days after execution, the Owner shall not be released until the City receives such assignment. No assignment by the Owner shall release the Owner from any liability that resulted from an act or omission by the Owner that occurred prior to the effective date of the assignment unless the City approves the release in writing. Each Assignee shall be considered to be both a "Party" to this Agreement and the "Owner" for the purposes of the obligation, right, title, or interest assigned to the Assignee. The City shall not assign this Agreement.

8.2 Encumbrance by the Owner and Assignees. The Owner and Assignees have the right, from time to time, to collaterally assign, pledge, grant a lien or security interest in, or otherwise encumber any of their respective rights, title, or interest under this Agreement for the benefit of their respective lenders without the consent of, but with prompt written notice to, the City. The collateral assignment, pledge, grant of lien or security interest, or other encumbrance shall not, however, obligate any lender to perform any obligations or incur any liability under this Agreement unless the lender agrees in writing to perform such obligations or incur such liability. Provided the City has been given a copy of the documents creating the lender's interest, including notice (hereinafter defined) information for the lender, then that lender shall have the right, but not the obligation, to cure any default under this Agreement and shall be given a reasonable time to do so in addition to the cure periods otherwise provided to the defaulting Party by this Agreement; and the City agrees to accept a cure offered by the lender as if offered by the defaulting Party. A lender is not a Party to this Agreement unless this Agreement is amended, with the consent of the lender, to add the lender as a Party. Notwithstanding the foregoing, however, this Agreement shall continue to bind the Property and shall survive any transfer, conveyance, or assignment occasioned by the exercise of foreclosure or other rights by a lender, whether judicial or non-judicial. Any purchaser from or successor owner through a lender of any portion of the Property shall be bound by this Agreement but shall not be entitled to the rights and benefits of this Agreement with respect to the acquired portion of the Property until all defaults under this Agreement with respect to the acquired portion of the Property have been cured.

8.3 Encumbrance by City. The City shall not collaterally assign, pledge, grant a lien or security interest in, or otherwise encumber any of its rights, title, or interest under this Agreement.

ARTICLE IX
RECORDATION, RELEASES, AND ESTOPPEL CERTIFICATES

9.1 Binding Obligations. Pursuant to the requirements of Section 212.172(f) of the Texas Local Government Code, this Agreement and all amendments hereto shall be recorded in the deed records of the County. In addition, all assignments to this Agreement shall be recorded in the deed records of the County. This Agreement, when recorded, shall be binding upon the Parties and their successors and assigns permitted by this Agreement and upon the Property.

9.2 Releases. Without limiting Owner's right to terminate pursuant to this Agreement, from time to time upon written request of the Owner, the City Administrator shall execute, in recordable form, a release of this Agreement, if the requirements of this Agreement have been met, subject to the continued application of the Development Regulations.

9.3 Estoppel Certificates. From time to time upon written request of the Owner, the City Administrator will execute a written estoppel certificate identifying any obligations of the Owner under this Agreement that are in default or, with the giving of notice or passage of time, would be in default; and stating, to the extent true, that to the best knowledge and belief of the City, the Owner is in compliance with its duties and obligations under this Agreement.

ARTICLE X
ADDITIONAL PROVISIONS

10.1 Recitals. The recitals contained in this Agreement: (a) are true and correct as of the Effective Date; (b) form the basis upon which the Parties negotiated and entered into this Agreement; (c) are legislative findings of the City Council, and (d) reflect the final intent of the Parties with regard to the subject matter of this Agreement. In the event it becomes necessary to interpret any provision of this Agreement, the intent of the Parties, as evidenced by the recitals, shall be taken into consideration and, to the maximum extent possible, given full effect. The Parties have relied upon the recitals as part of the consideration for entering into this Agreement and, but for the intent of the Parties reflected by the recitals, would not have entered into this Agreement.

10.2 Notices. All notices required or contemplated by this Agreement (or otherwise given in connection with this Agreement) shall be in writing, shall be signed by or on behalf of the Party giving the notice, and shall be effective as follows: (a) on or after the 10th business day after being deposited with the United States mail service, Certified Mail, Return Receipt Requested with a confirming copy sent by E-mail; (b) on the day delivered by a private delivery or private messenger service (such as FedEx or UPS) as evidenced by a receipt signed by any person at the delivery address (whether or not such person is the person to whom the notice is addressed); or (c) otherwise on the day actually received by the person to whom the notice is addressed, including, but not limited to, delivery in person and delivery by regular mail or by E-mail. If the notice information for a Party changes, that Party shall provide the updated notice information

to the other Party in accordance with the notice requirements of this section. Notices given pursuant to this section shall be addressed as follows:

To the City: Attn: James Earp
City Manager
The City of Hutto
500 W. Live Oak Street
Hutto, TX 78634

With a copy to: Attn: Alan Bojorquez
Hutto City Attorney
11675 Jollyville Road
Suite 300
Austin, TX 78750

To the Owner: Attn: Nagaraj Bhattar
2120Hutto, LLC
13441 Stanmere Drive
Frisco, TX 75035

With a copy to: Attn: Megan Smith
Maple Multi-Family Land TX, LP
3889 Maple Avenue, Suite 200
Dallas, TX 75219
megan.smith@crowholdings.com

Attn: Micah King
Husch Blackwell, LLP
111 Congress Avenue, Suite 1400
Austin, Texas 78701
micah.king@huschblackwell.com

10.3 RESERVATION OF RIGHTS. EXCEPT AS PROVIDED BY SECTION 12.11, THIS AGREEMENT CONSTITUTES A “PERMIT” WITHIN THE MEANING OF CHAPTER 245, TEXAS LOCAL GOVERNMENT CODE. EXCEPT AS PROVIDED IN THIS SECTION, THE OWNER DOES NOT, BY ENTERING INTO THIS AGREEMENT, WAIVE (AND THE OWNER EXPRESSLY RESERVES) ANY RIGHT THAT THE OWNER MAY NOW OR HEREAFTER HAVE WITH RESPECT TO ANY CLAIM: (A) OF AN “ACCRUED” OR “PROTECTED” DEVELOPMENT OR OTHER PROPERTY RIGHTS ARISING FROM CHAPTERS 43 OR 245, TEXAS LOCAL GOVERNMENT CODE, AS AMENDED, OR OTHERWISE ARISING FROM COMMON LAW OR OTHER STATE OR FEDERAL LAWS; (B) THAT THE APPLICATION OF IMPACT FEES TO THE DEVELOPMENT OF THE PROPERTY VIOLATES CHAPTER 395 OF THE TEXAS LOCAL GOVERNMENT CODE, AS AMENDED, OR ANY OTHER LOCAL, STATE, OR FEDERAL LAW; OR (C) THAT AN ACTION BY THE CITY CONSTITUTES A “TAKING” OR INVERSE

CONDEMNATION OF ALL OR ANY PORTION OF THE PROPERTY OR AN ILLEGAL EXACTION. The City acknowledges the project described by this Agreement was planned prior to the initiation of annexation proceedings for the Property, and Owner therefore has rights under Chapter 43 to continue the project as planned after annexation notwithstanding any zoning approved by the City for the Property.

10.4 Interpretation. The Parties acknowledge that each of them has been actively involved in negotiating this Agreement. Accordingly, the rule of construction that any ambiguities are to be resolved against the drafting Party will not apply to interpreting this Agreement. In the event of any dispute over the meaning or application of any provision of this Agreement, the provision will be interpreted fairly and reasonably and neither more strongly for or against any Party, regardless of which Party originally drafted the provision.

10.5 Authority and Enforceability. The City represents and warrants that this Agreement has been approved by the City Council in accordance with all applicable public notice requirements (including, but not limited to, notices required by the Texas Open Meetings Act) and that the individual executing this Agreement on behalf of the City has been duly authorized to do so. The Owner represents and warrants that this Agreement has been approved by appropriate action of the Owner, and that the individual executing this Agreement on behalf of the Owner has been duly authorized to do so. Each Party acknowledges and agrees that this Agreement is binding upon such Party and enforceable against such Party in accordance with its terms and conditions and that, with respect to the Property, the performance by the Parties under this Agreement is authorized by Section 212.172 of the Texas Local Government Code.

10.6 Entire Agreement; Severability. This Agreement constitutes the entire agreement between the Parties and supersedes all prior agreements, whether oral or written, covering the subject matter of this Agreement. Further, this Agreement shall supersede any other development or similar agreements related to the Property. This Agreement shall not be modified or amended except in writing signed by the Parties. If any provision of this Agreement is determined by a court of competent jurisdiction to be unenforceable for any reason, then (a) such unenforceable provision shall be deleted from this Agreement; (b) the unenforceable provision shall, to the extent possible, be rewritten to be enforceable and to give effect to the intent of the Parties; and (c) the remainder of this Agreement shall remain in full force and effect and shall be interpreted to give effect to the intent of the Parties. Without limiting the generality of the foregoing, (a) if it is determined that, as of the Effective Date, the Owner does not own any portion of the Property, this Agreement shall remain in full force and effect with respect to all of the Property that the Owner does then own, and (b) if it is determined, as of the Effective Date, that any portion of the Property is not within the City's ETJ, this Agreement shall remain in full force and effect with respect to all of the Property that is then within the City's ETJ. If at any time after the Effective Date it is determined that any portion of the Property is no longer within the City's ETJ, this Agreement shall remain in full force and effect with respect to all of the Property that remains within the City's ETJ.

10.7 Applicable Law; Venue. This Agreement is entered into under and pursuant to, and is to be construed and enforceable in accordance with, the laws of the State of Texas, and all obligations of the Parties are performable in Williamson County, Texas. Venue for any action to enforce or construe this Agreement shall be Williamson County, Texas.

10.8 Non-Waiver. Any failure by a Party to insist upon strict performance by another Party of any material provision of this Agreement shall not be deemed a waiver thereof, and the Party shall have the right at any time thereafter to insist upon strict performance of any and all provisions of this Agreement. No provision of this Agreement may be waived except by writing signed by the Party waiving such provision. Any waiver shall be limited to the specific purposes for which it is given. No waiver by any Party of any term or condition of this Agreement shall be deemed or construed to be a waiver of any other term or condition or subsequent waiver of the same term or condition.

10.9 No Third-Party Beneficiaries. This Agreement only inures to the benefit of, and may only be enforced by, the Parties. No other person or entity shall have any right, title, or interest under this Agreement or otherwise be deemed to be a third-party beneficiary of this Agreement.

10.10 Reservation of Rights. To the extent not inconsistent with the terms of this Agreement, each Party reserves all rights, privileges, and immunities under the applicable laws.

10.11 No Personal Liability of Public Officials or the City. To the extent permitted by State law, neither the City, any City agent or representative, nor any public official or employee shall be personally liable or responsible for any liability arising under or related to this Agreement

10.12 Exactions Roughly Proportionate. Owner hereby waives any federal constitutional claims and any statutory or state constitutional takings claims under the Texas Constitution and Chapter 395 and Section 212.904 of the Texas Local Government Code, arising out of this Agreement. Both Owner and the City further agree to waive and release all claims one may have against the other related to any and all rough proportionality and individual determination requirements mandated by the United States Supreme Court in *Dolan v. City of Tigard*, 512 U.S. 374 (1994), and its progeny, as well as any other requirements of a nexus between development conditions and the projected impact of the terms of this Agreement. Owner further acknowledges that the benefits of platting and concept planning have been accepted with full knowledge of potential claims and causes of action which may be raised now and, in the future, and Owner acknowledges the receipt of good and valuable consideration for the release and waiver of such claims.

10.13 Force Majeure. Each Party shall use good faith, due diligence, and reasonable care in the performance of its respective obligations under this Agreement, and time shall be of the essence in such performance; however, in the event a Party is unable, due to force majeure, to perform its obligations under this Agreement, then the

obligations affected by the force majeure shall be temporarily suspended. Within three business days after a Party has actual knowledge of the occurrence of a force majeure event, the Party claiming the right to temporarily suspend its performance, shall give notice to all the Parties, including a detailed explanation of the force majeure and a description of the action that will be taken to remedy the force majeure and resume full performance at the earliest possible time. The term “force majeure”, as used herein, shall include without limitation of the generality thereof, acts of God, strikes, lockouts, or other industrial disturbances, acts of the public enemy, orders of any kind of the government of the United States or the State of Texas, or any civil or military authority, insurrections, riots, epidemics, pandemics, landslides, lightning, earthquakes, fires, hurricanes, storms, floods, washouts, drought, arrests, restraint of government and people, civil disturbances, explosions, breakage or accidents to machinery, and any other incapacities of any party, whether similar to those enumerated or otherwise, which are not within the control of the party claiming such inability, which such party could not have avoided by the exercise of due diligence and care and which the party is proceeding promptly to cure.

10.14 “No-Boycott” Provisions. Pursuant to Section 2270.002, Texas Government Code, the Owner hereby verifies that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, do not boycott Israel and, to the extent this Indenture is a contract for goods or services, will not boycott Israel during the term of this Indenture. The foregoing verification is made solely to comply with Section 2270.002, Texas Government Code, and to the extent such Section does not contravene applicable Federal law. As used in the foregoing verification, “boycott Israel” means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes.

The Owner understands “affiliate” to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

Pursuant to Subchapter F, Chapter 2252, Texas Government Code, the Owner represents that neither it nor any of its parent company, wholly- or majority-owned subsidiaries, and other affiliates is a company identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 2252.153 or Section 2270.0201, Texas Government Code, and posted on any of the following pages of such officer’s internet website:

<https://comptroller.texas.gov/purchasing/docs/sudan-list.pdf>,
<https://comptroller.texas.gov/purchasing/docs/iran-list.pdf>, or
<https://comptroller.texas.gov/purchasing/docs/fto-list.pdf>.

The foregoing representation is made solely to comply with Section 2252.152, Texas Government Code, and to the extent such Section does not contravene applicable Federal law and excludes the Owner and each of its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any, that the United States government has affirmatively declared to be excluded from its federal sanctions regime relating to Sudan or Iran or any federal sanctions regime relating to a

foreign terrorist organization. The Owner understands “affiliate” to mean any entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

(a) Verification Regarding Energy Company Boycotts.

To the extent this Agreement constitutes a contract for goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 13, 87th Texas Legislature, Regular Session) as amended, the Owner hereby verifies that it and its parent company, wholly- or majority- owned subsidiaries, and other affiliates, if any, do not boycott energy companies and, will not boycott energy companies during the term of this Agreement. The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, “boycott energy companies” shall have the meaning assigned to the term “boycott energy company” in Section 809.001, Texas Government Code. The Owner understands “affiliate” to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

(b) Verification Regarding Discrimination Against Firearm Entity or Trade Association.

To the extent this Agreement constitutes a contract for the purchase of goods or services for which a written verification is required under Section 2274.002, Texas Government Code, (as added by Senate Bill 19, 87th Texas Legislature, Regular Session, “SB 19”), as amended, the Owner hereby verifies that it and its parent company, wholly- or majority-owned subsidiaries, and other affiliates, if any,

- (1) do not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association; and
- (2) will not discriminate during the term of this Agreement against a firearm entity or firearm trade association.

The foregoing verification is made solely to comply with Section 2274.002, Texas Government Code, as amended, to the extent Section 2274.002, Texas Government Code does not contravene applicable Texas or federal law. As used in the foregoing verification, “discriminate against a firearm entity or firearm trade association” shall have the meaning assigned to such term in Section 2274.001(3), Texas Government Code (as added by SB 19). The Owner understands “affiliate” to mean an entity that controls, is controlled by, or is under common control with the Owner and exists to make a profit.

10.15 HB 1295 Compliance. Section 2252.908 of the Texas Government Code requires that for certain types of contracts, you must fill out a conflict of interest form (“Disclosure of Interested Parties”) at the time you submit your signed contract to the City. For further information please go to the Texas Ethics Commission website via the following link. https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm. The City has no obligation under this Agreement until such form is accurately completed and

properly submitted, and any City obligation is conditioned on such proper completion and submission.

10.16 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original and constitute one and the same instrument.

10.17 Further Documents. Each Party shall, upon request of the other Party, execute and deliver such further documents and perform such further acts as may reasonably be requested to effectuate the terms of this Agreement and achieve the intent of the Parties.

10.18 Exhibits. The following Exhibits are attached to this Agreement and are incorporated herein for all purposes:

Exhibit A	Description of the Property
Exhibit B	Conceptual Land Use Plan
Exhibit C	The Conceptual Site Plan
Exhibit D	Typical Building Elevations

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

Executed by the Owner and the City to be effective on the Effective Date.



CITY OF HUTTO

Mike Snyder, Mayor, City of Hutto

Date: August 17, 2023

ATTEST:

Angela Lewis, City Secretary

Date: August 17, 2023

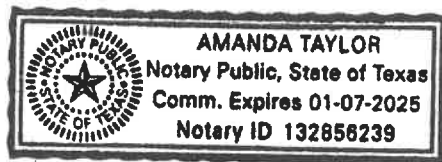
STATE OF TEXAS

§
§
§

COUNTY OF WILLIAMSON

This instrument was acknowledged before me on August 17, 2023 by Mike Snyder, Mayor of the City of Hutto, Texas, on behalf of said city.

[seal]



A Taylor
Notary Public, State of Texas

OWNER:

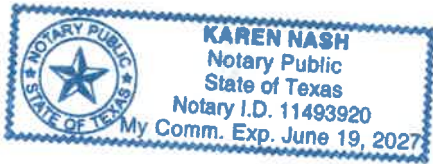
2120Hutto, LLC, a Texas limited liability company

By: *Nagaraj*
Nagaraj Bhatte, Manager

THE STATE OF TEXAS §

COUNTY OF *Collin* §

This instrument was acknowledged and verified before me this *10th* day of *August*, 2023 by Nagaraj Bhatte, a Manager and authorized signatory of 2120Hutto, LLC, a Texas limited liability company, on behalf of said company.



Karen Nash
Notary Public, State of Texas
Karen Nash

**Exhibit A:
Property Description**

(see following page)

BOUNDARY DESCRIPTION, AS SURVEYED

16.954 ACRES (738,512 SQUARE FEET) OF LAND IN WILLIAMSON COUNTY, TEXAS, BEING OUT OF THE JOSIAS B. BEALLE SURVEY, ABSTRACT 97, SAID 16.954 ACRES BEING ALL OF THAT TRACT OF LAND DESCRIBED AS 16.95 ACRES IN THE DEED FROM ALLAN HAUSMANN AND WIFE, PORTIA HAUSMANN TO 2120HUTTO, LLC DATED NOVEMBER 15, 2021, AND RECORDED IN DOCUMENT NO. 2021174495, WILLIAMSON COUNTY RECORDS.

BEGINNING AT THE NORTHEAST CORNER OF A 100.261 ACRE TRACT OF LAND DESCRIBED IN A DEED TO DORIS LAVERN GREINERT RECORDED IN VOLUME 816, PAGE 643, RECORDS OF WILLIAMSON COUNTY, ALSO BEING THE NORTHEAST CORNER OF SAID 2120HUTTO, LLC 16.95 ACRE TRACT, ALSO BEING THE SOUTHEAST CORNER OF A 231.815 ACRE TRACT RECORDED IN DOCUMENT NO. 2003065952, AND ALSO BEING IN THE WEST RIGHT-OF-WAY OF COUNTY ROAD 132. SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "R.J. SURVEYING".

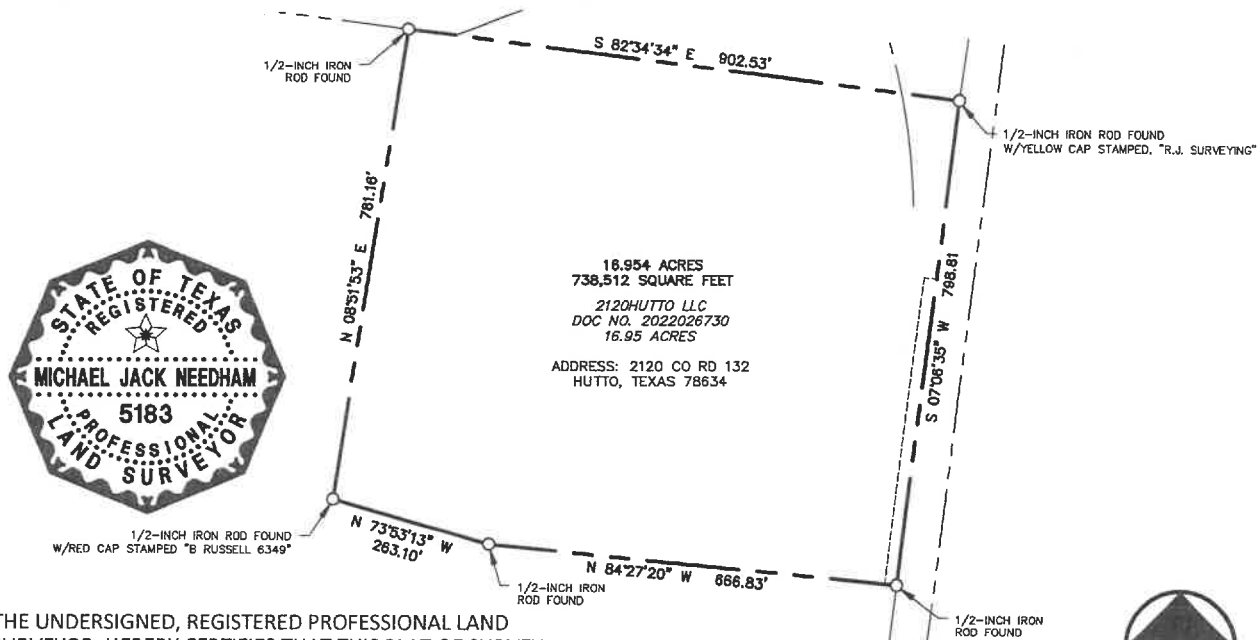
THENCE S 07°06'35" W 798.81' ALONG THE EAST LINE OF SAID 100.261 ACRE TRACT AND ALONG THE EAST LINE OF SAID 16.95 ACRE TRACT AND ALONG THE WEST RIGHT-OF-WAY OF COUNTY ROAD 132 TO THE SOUTHEAST CORNER OF SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" IRON ROD;

THENCE ALONG THE SOUTHERLY LINE OF SAID 16.95 ACRE TRACT AND CUTTING THROUGH SAID 100.261 ACRE TRACT AS FOLLOWS:

- **N 84°27'20" W 666.83'** TO AN ANGLE POINT CORNER, SAID CORNER MARKED BY A FOUND 1/2" IRON ROD;
- **N 73°53'13" W 263.10'** TO THE SOUTHWEST CORNER SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "B RUSSELL 6349";

THENCE N 08°51'53" E 781.16' ALONG WESTERLY LINE OF SAID 16.95 ACRE TRACT TO THE NORTH LINE OF SAID 100.261 ACRE TRACT AND THE SOUTH LINE OF A SAID 231.815 ACRE TRACT, SAID POINT BEING THE NORTHWEST CORNER OF SAID 16.95 ACRE TRACT, SAID CORNER BEING MARKED WITH A FOUND 1/2" CAPPED IRON ROD STAMPED "R.J. SURVEYING".

THENCE S 82°34'34" E 902.53' ALONG THE NORTH LINE OF SAID 100.261 ACRE TRACT AND THE SOUTH LINE OF SAID 231.815 ACRE TRACT AND THE NORTH LINE OF SAID 16.95 ACRE TRACT TO THE POINT OF BEGINNING, HAVING AN AREA OF 16.954 ACRES (738,512 SQUARE FEET), AS SHOWN ON THE ACCOMPANYING PLAT. BEARINGS ARE RELATIVE TO STATE PLANE COORDINATES, NAD 83(2011), TEXAS CENTRAL ZONE. DISTANCES AND AREAS REFLECT THE APPLICATION OF A COMBINED SCALE FACTOR OF 1.00012 AND THUS REPRESENT SURFACE MEASUREMENTS. SET STAKES ARE 1/2" REBAR WITH WESTWOOD PLASTIC IDENTIFIER CAPS.



THE UNDERSIGNED, REGISTERED PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFIES THAT THIS PLAT OF SURVEY ACCURATELY SETS OUT THE METES AND BOUNDS OF THE TRACT DESCRIBED.

Michael Jack Needham

MICHAEL JACK NEEDHAM 08/31/2022
REGISTERED PROFESSIONAL
LAND SURVEYOR NO. 5183

TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

Pacheco Koch
a Westwood company

8701 N. MOPAC EXPY, SUITE 320
AUSTIN, TX 78759
512.485.0831

ALLORA HUTTO

PART OF THE
JOSIAS B. BEALLE SURVEY,
ABSTRACT NO. 97,
WILLIAMSON COUNTY, TEXAS
PAGE 1 OF 1

DRAWN BY	CHECKED BY	SCALE	DATE	JOB NUMBER
ZNBM	ETB	1"=300'	08/31/2022	4910-22.332

Exhibit B:
The Conceptual Land Use Plan

(see following page)



ALLORA HUTTO
HUTTO, TX
03.15.2023

#22070

CONCEPTUAL LAND USE PLAN
SCALE: 1:150

TCR
TRAMMELL CROW RESIDENTIAL

HLR
ARCHITECTS

**Exhibit C:
The Conceptual Site Plan**

(see following page)

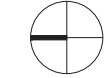
SITE DATA

SITE LOCATION		HUTTO, TX	
STRUCTURE		3 STORY GARDEN APARTMENTS	
SITE DENSITY		GROSS SITE AREA +/- 16.95 GROSS ACRES	
NET SITE AREA		+/- 16.18 NET ACRES	
W/ 50% DEDICATION		+/- 16.5 NET ACRES	
TOTAL UNITS		351	
PROPOSED DENSITY		+/- 23 UNITS/AC	
UNIT MIX			
TYPE OF UNIT	# OF UNITS	TOTAL	%
ONE BEDROOM	210	59.8%	
TWO BEDROOM	117	33.3%	
THREE BEDROOM	24	6.8%	
TOTAL	351	100%	
NUMBER OF BEDS		516	
MINIMUM PARKING REQUIRED			
TYPE OF UNIT	SPACES/UNIT	TOTAL	
ONE BEDROOM	1.65	347	
TWO BEDROOM	1.65	193	
THREE BEDROOM	1.65	40	
TOTAL		580	
PARKING PROVIDED			
SURFACE		407	
CARPOT		132	
GARAGE		53	
TOTAL		592	



ALLORA HUTTO SITE PLAN EXHIBIT									
BLDG QUANTITY	BUILDING TYPE				TOTAL UNITS OF PROJECT		TOTAL UNITS ON 1ST FLOOR		
	I (27 UNITS)	I-A (27 UNITS)*	II (27 UNITS)	II-A (27 UNITS)*	% OF PATIOS AND BALCONY OF TOTAL UNITS	% OF PATIOS ON UNITS ON GROUND FLOOR			
TOTAL BALCONIES/PATIOS WITH COVERING PER BUILDING	2	3	7	1	13				
TOTAL BALCONIES/PATIOS	7	11	7	11	36				
	14	33	49	11	107	30.48%		84.62%	

*Building Type I-A and Building Type II-A at Locations #1, #6, #7, #8)



SITE PLAN EXHIBIT

SCALE: 1:150

#22070

ALLORA HUTTO
HUTTO, TX

03.15.2023



**Exhibit D:
Typical Building Elevations**

(see following pages)



BUILDING TYPE I/IA - FRONT (STREET SIDE) - OPT 1



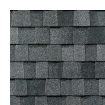
STUCCO/PANEL
SW 7631
CITY LOFT



PANEL
SW 7017
DORIAN GRAY



FASCIA
SW 7048
URBANE BRONZE



ROOF
TAMKO
VIRGINIA SLATE



BRICK MASONRY
MERIDIAN BRICK
V 224

#22070

ALLORA HUTTO
HUTTO, TX

04.25.2023



BUILDING TYPE I/IA - REAR (COURTYARD SIDE) - OPT 1



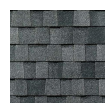
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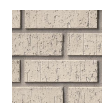
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DORIAN GRAY



FASCIA
SW 7048
URBANE BRONZE



ROOF
TAMKO
VIRGINIA SLATE



BRICK MASONRY
MERIDIAN BRICK
V 224

#22070

ALLORA HUTTO
HUTTO, TX

04.25.2023



BUILDING TYPE0 II/IIA - FRONT (STREET SIDE) - OPT 1



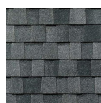
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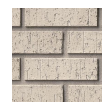
PANEL
SW 7017
DORIAN GRAY



FASCIA
SW 7048
URBANE BRONZE



ROOF
TAMKO
VIRGINIA SLATE



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MERIDIAN BRICK
V 224

#22070

ALLORA HUTTO
HUTTO, TX

04.25.2023



BUILDING TYPE II/IIA - REAR (COURTYARD SIDE) - OPT 1



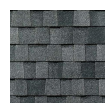
STUCCO/PANEL
SW 7631
CITY LOFT



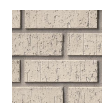
PANEL
SW 7017
DORIAN GRAY



FASCIA
SW 7048
URBANE BRONZE



ROOF
TAMKO
VIRGINIA SLATE



BRICK MASONRY
MERIDIAN BRICK
V 224

#22070

ALLORA HUTTO
HUTTO, TX

04.25.2023



BUILDING TYPE II/IIA - REAR (COURTYARD SIDE) - OPT 1



STUCCO/PANEL
SW 7631
CITY LOFT



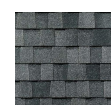
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SW 7017
DORIAN GRAY



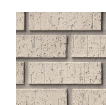
FASCIA
SW 7048
URBANE BRONZE



STUCCO
SW 7514
FOOTHILLS



ROOF
TAMKO
VIRGINIA SLATE



BRICK MASONRY
MERIDIAN BRICK
V 224

#22070

ALLORA HUTTO
HUTTO, TX

04.25.2023