



April 8, 2025

Ms. Noreen Housewright, P.E.,
Director of Public Works
300 W Main Street,
Grand Prairie, Texas 75050

Subject: Proposal for Engineering Services for
 Design of Wastewater Main Replacement/Rehabilitation for Basin 5.0J-SB3

Dear Ms. Housewright:

The inflow/infiltration (I/I) study, released by the Trinity River Authority (TRA) in 2019, identified Basin 5.0J-SB3 WW as the highest I/I basin in Grand Prairie's service area, leading to a complete Sanitary Sewer Evaluation Survey (SSES) completed in 2024. The results of the SSES indicated that approximately 13,100 linear feet (LF) of wastewater mains in Sub-basin 3 require immediate attention, (including both emergency repairs and Phase 1 repairs). The metering study, combined with field CCTV identified by video broken and collapsed pipelines in need of repair to eliminate I/I and prevent surcharging of the system during heavy rain events.

We propose that the design will be completed for all 13,100 feet of pipe. Additionally in consideration of providing the City with budget flexibility, we propose to divide the construction into 3 separate bid packages over a 3-year period to align with City budgetary needs, and to allow for small to medium local contractors to participate in the competitive bidding process. The preliminary estimated total construction cost for the 13,100 LF is \$5,761,838 with a detailed list of these mains provided in the attached documentation.

Repairs are spread out over sub-basin 3 resulting in 24 individual segments. Detailed hours and breakdown are included for the 24 segments. For project billing purpose, the design of the 24 segments will be rolled into Work Breakdown Structure (WBS) aligned with the design milestones for all segments (65%, 90% and 100%).

Our detailed proposed scope of services is as follows:

TASK 1: DESIGN MANAGEMENT

- Coordination with the City and the design team
- Communications and reporting
- Attend a pre-design project kickoff/chartering meeting with City staff to confirm and clarify scope, understand the City's objectives, and ensure economical and functional designs that meet City requirements (assume 1 meeting)
- Conduct review meetings with the City at the end of each design milestone (assume 4 meetings)
- Attend quarterly franchise utility meetings (assume 4 meetings)

Genuine Ingenuity

- Prepare and submit monthly invoices in the format agreed upon by the City
- Prepare and submit monthly progress reports in the format agreed upon by the City
- Prepare and submit the baseline Project Schedule initially, and project schedule updates with a schedule narrative monthly
- Coordinate with other agencies and entities, such as TCEQ, as necessary for the design of the proposed infrastructure, and provide and obtain information needed to prepare the design

ASSUMPTIONS:

- 2 meetings will be conducted with City staff
- 12 monthly progress reports will be prepared during the design phase services
- 12 monthly project schedule updates will be prepared during the design phase services

TASK 2: Pipeline Design (Preliminary 65% and Detailed Design Deliverables)

This task includes the development of 65% and 95% design plans and specifications for the wastewater pipeline design and manhole rehabilitation/replacement. A detailed scope for the design of each project component is provided below:

- Coordination with Grantham & Associates, Inc. for obtaining the topographic survey and reviewing the provided data
- Develop design plan and profile sheets that show the proposed sanitary sewer plan/profile, recommended pipe size, manholes, existing utilities, utility easements, and all pertinent information needed to construct the project
- Identification of potential utility conflicts (Utility Matrix)
- Identify construction approach (i.e., Open-cut, CIPP, Pipe bursting)
- Permanent or temporary pavement trench repair, coordinating with the Transportation Department
- Update the Opinion of Probable Construction Cost (OPCC)
- Development of technical specifications
- Draft field notes/sketches for all required ROW/Easement acquisition (if needed)
- Draft exhibits for Temporary Construction Easements (if needed)
- Gresham Smith will provide digital PDFs of the Design Phase documents. The City will provide compiled comments within 2 weeks of deliverables. Gresham Smith will incorporate the comments into the design and proceed to the next task.

Deliverables:

- 65% Specifications and OPCCs in electronic (PDF) format

TASK 3: Final Design (90% & 100%) Design Plans and Construction Documents

After acceptance of Task 2 by the City, Gresham Smith will finalize the Construction Documents in preparation for bidding the project. For purposes of this proposal, we have assumed the preparation and delivery of three separate bid packages for the wastewater mains and manholes. Coordination with the City's Procurement Department and inclusion of any City-standard front-end specification sections are included in this task.

- Final Utility Matrix
- Submit Updated Project Schedule
- Submit draft WORD Bid Book
- Prepare final Bidding and Contract Documents (Pipelines and Manhole Rehab)
- Prepare final Opinion of Probable Construction Costs
- Submit a PDF set of the final design to the City for approval
- Complete the final design to reflect final review comments
- Submit the final updated utility matrix
- Submit final ROW/Easement documents, including field notes and sketches as required by the contract

Deliverables:

- Construction Plans and Specifications in electronic (PDF) format
- Up to 5 bound bid books
- Up to 5 11x17 (half-sized) drawings and specifications

TASK 4: Bidding Phase Services

Gresham Smith will support the bid phase of each project (up to 3 projects) as follows:

- Bid Phases Services for Package #1, #2 & #3, each approximately 4,400 LF in length
- Upload all plans and contract documents onto CivCast for access by potential bidders
- Attend the pre-bid conferences in support of the City
- Prepare and maintain the official pre-bid meeting attendance roster
- Prepare responses to all bidders' questions and requests electronically
- Prepare addenda for bidding document modifications
- Attend the bid opening in support of the City
- Tabulate and review all bids received for construction
- Assist the City in determining the qualifications and acceptability of prospective contractors, subcontractors, and suppliers
- Assist the City in evaluating bids and recommending the award of the contract

Gresham Smith will attend up to one pre-bid meeting and assist the City with bidding services, including posting to CivCast, responding to bidders' questions, preparing addenda, evaluating bids, and providing

the City with an award recommendation. We assume the bid package will be bid within 1 year of design completion.

Deliverables:

- Addenda
 - Award Recommendation Letter
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TASK 5: Construction Administration: Construction Observation (CA/CO)

The total CA/CO level of effort is assumed to include submittal reviews, site visits for construction observation, and providing responses/recommendations for RFIs and change orders for up to 3 projects. We assume that the projects will be constructed in series (one after another) over the next three years.

- Construction Phases Services for Package #1, #2 & #3, each approximately 4,400 LF in length
- Respond to RFIs and provide necessary interpretations and clarifications of contract documents (up to 6)
- Review shop drawings and submittals for conformance to project plans and specifications (up to 6)
- Review change orders and make recommendations (up to 2)
- Attend the "Final Walkthrough" and assist with preparation of the final punch list
- Prepare Engineer's record drawings using information on changes from the Contractor and City project manager

Deliverables:

- Up to 3 full-size conformed construction plans and specifications in electronic (PDF) format
 - Up to 6 bound bid books
 - Up to 10 11x17 (half-sized) drawings and specifications
-

TASK 6: Special Services:

Gresham Smith will allocate the special services fee to cover Subsurface Utility Engineering (SUE) and geotechnical services and/or any City directed services which could include: additional sewer main design or line breaks discovered by Wastewater Collections, or extensions and tie-ins of any of the 24 Projects as directed by City staff.

SCHEDULE (for each phase):

The Gresham Smith team is prepared to begin work immediately upon receipt of the Notice to Proceed (NTP) from the City and deliver 100% construction documents within 12 months of the NTP.

Our team is prepared to complete Task 1 in 3 months and deliver the 65% design documents (Task 2) in 4 months.

We will then deliver the 90% design documents (Task 3) within 2 months after receipt of City comments on the 65% deliverable, and the final 100% construction documents within 1 month after receipt of City comments on the 90% deliverable.

EXCLUSIONS:

The following items are excluded from the scope of work but can be provided as an amendment to the scope upon written agreement:

- Design Report (not included per discussion with the City)
- Public Involvement & Meetings
- Subsurface Utility Engineering (SUE) Levels C, B, and A
- Design of Water Main and Storm Sewer Relocation
- ADA Requirements and/or TDLR Review
- Traffic Control Plan (will be completed/submitted by Contractor)
- Roadway Replacement Design
- Franchise Utility Relocation Design
- Right of Way Acquisition Services and Documentation for Obtaining Easements/Right of Way
- Section 404 Permitting

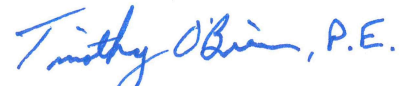
SUMMARY OF DESIGN FEE (for each Phase):

- **Task 1 – Project Management**
Fee: \$40,755
- **Task 2 – Preliminary (60% Design)**
Fee: \$178,040
- **Task 3 – Final Design (90% and 100%) Documents**
Fee: \$130,570
- **Task 4 – Bidding Phase Services**
Fee: \$43,350
- **Task 5 – Construction Phase Services**
Fee: \$51,900
- **Basic Services Fee:**
\$444,615
- **Topographic Survey**
Fee: \$98,345
- **Printing Cost (for 3 phases)**
Fee: \$5,000.00
- **City Directed Special Services Fee:**
\$40,000.00
- **Total Fee for Design, 3 Bid Packages, and 3 CA/CO Efforts:**
\$587,960.00

Gresham Smith understands that the fee for this project is based on a "Time and Material" contract, with an hourly, not-to-exceed contract amount of \$587,960. Invoices will be billed monthly. The consultant will notify the City if any work tasks approach budget overruns. The hourly rates for this contract are valid for 12 months from the date of the NTP for each phase of the project. Any project delays caused by the consultant will negate this 12-month validity period.

We appreciate the City's consideration of Gresham Smith to provide the proposed services and look forward to the opportunity to work with the City on this project. Please let us know if there are any questions or additional information needed in your consideration of this proposal.

Sincerely,



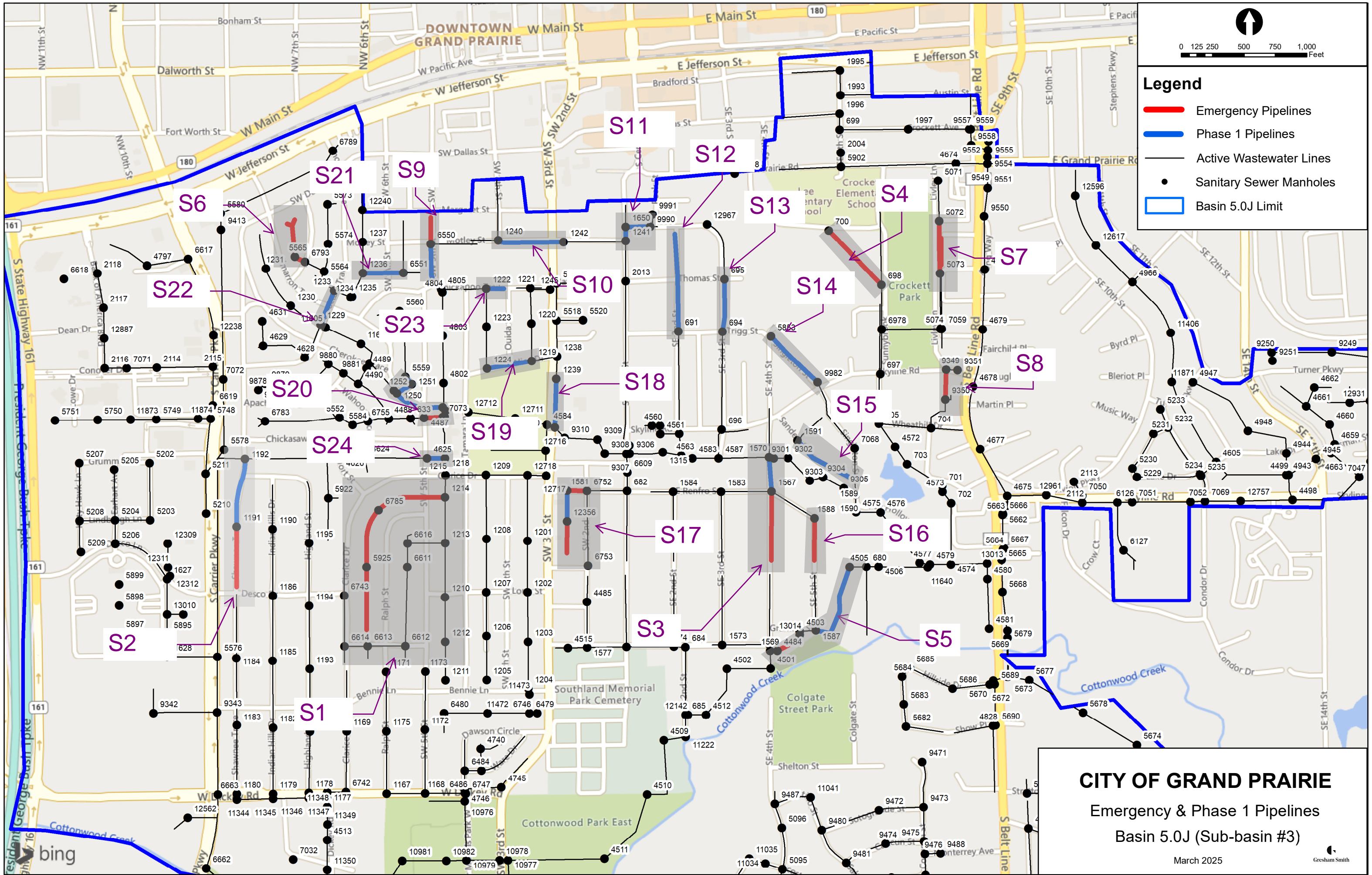
Tim O'Brien, P.E.

Vice President/Project Manager

Attachments: Project Location List

Project Maps

Preliminary OPCC



CITY OF GRAND PRAIRIE

Emergency & Phase 1 Pipelines
Basin 5.0J (Sub-basin #3)

March 2025

Gresham Smith

Attachment: List of 24 Individual Segments

Project ID	US MH#	DS MH#	MATERIAL	DIAMETER	LENGTH (LF)	Location
S1	5925	6785	VCP	8	479.3	Easement between Ralph St and Clarice Dr.
S1	6785	1214	VCP	8	557.0	Easement between Ralph St and Clarice Dr.
S1	CO	5925	VCP	6	209.7	Easement between Ralph St and Clarice Dr.
S1	5565	6793	VCP	6	252.8	Easement between Ralph St and Clarice Dr.
					1498.8	
S2	CO	1191	VCP	8	479.6	Shawnee Tr
S2	1191	1192	VCP	8	548.3	Shawnee Trace & East of S Carrier Pkwy
					1027.9	
S3	CO	1567	VCP	6	549.5	SE 4th St
					549.5	
S4	700	698	VCP	6	601.2	South of Lee Electuary School & West of Crockett Park
					601.2	
S5	4484	13014	VCP	12	234.7	South of Grimley St & North of Colgate Street Park
S5	1587	4505	VCP	12	557.2	East of SE 5th St
S5	1567	1570	VCP	6	272.3	Intersection of SE 4th St & E Renfro St
S5	4503	1587	VCP	12	117.9	Easement East of SE 5th St & Grimley St
					1182.1	
S6	CO	5565	VCP	6	250.0	Easement between Cimarron Trace & Arrowhead Trace
S6	CO	CO	VCP	6	89.9	Easement between Cimarron Trace & Arrowhead Trace
S6	CO	CO	VCP	6	50.0	Easement between Cimarron Trace & Arrowhead Trace
					389.8	
S7	5072	5073	VCP	6	415.0	East of Lively Ln
					415.0	
S8	9349	9350	VCP	6	213.4	Interaction of Skyline Rd and Lively Ln
					213.4	
S9	CO	6550	VCP	6	414.4	SW 5th St
S9	6550	4805	VCP	6	390.4	Intersection of SW 5th St & Motley St
					804.8	
S10	1240	1242	VCP	6	525.9	Intersection of Motley St & SW 3rd St
					525.9	
S11	1650	1241	VCP	6	112.5	Intersection of S Center St & Motley St
S11	9990	1650	VCP	6	197.1	Intersection of S Center St & SE 3rd St
					309.6	
S12	CO	691	VCP	6	776.0	SE 2nd St
					776.0	
S13	695	694	VCP	6	419.5	Intersection of SE 3rd St & Trigg St
					419.5	
S14	5853	9982	PVC	6	522.8	Singleton St
					522.8	
S15	1591	1589	VCP	6	564.8	Sanders St
					564.8	
S16	CO	1588	VCP	6	334.8	SE 5th St
					334.8	
S17	1581	6752	VCP	8	160.0	E. Renfro St
S17	12356	1581	VCP	6	243.5	Easement between SW 3rd St and SW 2nd St
S17	CO	12356	VCP	6	148.1	Easement Between SW 3rd St & SW 2nd St
					551.6	
S18	1239	4584	VCP	6	386.7	SW 3rd St
					386.7	
S19	1224	1249	VCP	6	359.9	Alice Dr
					359.9	
S20	7073	4487	VCP	6	150.0	Easement Between Tamara & SW 5th St
S20	1251	1250	VCP	8	137.6	Easement between Cimarron Trace & SW 5th St
S20	5559	1251	VCP	6	77.4	Easement between Cimarron Trace & SW 5th St
S20	1250	7073	VCP	10	400.7	Intersection of Cimarron Trace & SW 5th St
					765.6	
S21	6551	1236	VCP	6	322.8	Easement Between Tamara Ln & SW 5th St
					322.8	
S22	1234	1229	VCP	8	289.1	Choctaw Trace
					289.1	
S23	CO	1222	VCP	6	140.0	Chickapoo Trace
					140.0	
S24	4625	1218	VCP	8	143.4	Easement between SW 5th St and Tamara Ln
					143.42	
sub-total					13,095.12	

Attachment A- Level of Effort Spreadsheet									
TASK/HOUR BREAKDOWN									
Design Services									
CITY OF GRAND PRAIRIE WASTEWATER LINE REPLACEMENTS									
Basin 5J (Emergency and Phase 1 within Sub-Basin 3)									
Task No.	Task Description							Total Labor Cost	Total Expense Cost
		Principle	Project Manager	Engineer of Record	EIT Designer	QA/QC	Project Acct.		
	Hourly Rate to Be Billed Per Gresham Smith Staff Member	\$335	\$300	\$220	\$165	\$300	\$145		
1.0	Design Management (12 month Duration)	4	68	40	25	0	42	\$ 40,755	0
	Initial Project Setup & Subconsultant Management		16				6	\$ 5,670	\$0
	Communications and Reporting								
	Attend a pre-design project kickoff/chartering meeting with CITY	2	4	4	4			\$ 3,410	
	Conduct review meetings with the CITY at the end of each design phase	2	12	12	12			\$ 8,890	
	Prepare and submit monthly progress reports in the format provided by the City		16				36	\$ 10,020	
	Prepare and submit baseline Project Schedule and Updates to Schedule		8					\$ 2,400	
	Coordinate with other agencies and entities as necessary		6	12	5			\$ 5,265	
	Work with regulatory authorities to obtain approval of the designs		6	12	4			\$ 5,100	
2.0	Preliminary Design (65 Percent) Package #1, #2 & #3 (totaling approx 13,100 LF)	0	134	254	424	40	0	\$ 178,040	0
	Data Collection								
	Pre-design Site Visits, Review Record drawing		16	36	30			\$ 17,670	
	Coordination with Survey and Review of Provided Survey Data		18	24	24			\$ 14,640	
	Coordinate with Franchise Utilities		8	24	24			\$ 11,640	
	Plan and profile sheets								
	Project S1 (1500 LF 6 & 8-inch)		6	12	28			\$ 9,060	
	Project S2 (1030 LF 8-inch)		4	8	20			\$ 6,260	
	Project S3 (550 LF 6-inch)		2	4	10			\$ 3,130	
	Project S4 (600LF 6-inch)		2	4	12			\$ 3,460	
	Project S5 (1180 LF 6 and 12-inch)		4	8	22			\$ 6,590	
	Project S6 (390 LF 6-inch)		2	4	8			\$ 2,800	
	Project S7 (415 LF 6-inch)		2	4	8			\$ 2,800	
	Project S8 (210LF 6-inch)		2	2	4			\$ 1,700	
	Project S9 (800 LF 6-inch)		4	6	16			\$ 5,160	
	Project S10 (525 LF 6-inch)		2	4	10			\$ 3,130	
	Project S11 (310 LF 6-inch)		2	2	6			\$ 2,030	
	Project S12 (776LF 6-inch)		4	6	14			\$ 4,830	
	Project S13 (420 LF 6-inch)		2	4	8			\$ 2,800	
	Project S14 (520LF 6-inch)		2	4	10			\$ 3,130	
	Project S15 (565 LF 6-inch)		2	4	10			\$ 3,130	
	Project S16 (335LF 6-inch)		2	2	6			\$ 2,030	
	Project S17 (550 LF 6 & 8-inch)		2	4	10			\$ 3,130	
	Project S18 (385 LF 6-inch)		2	2	8			\$ 2,360	
	Project S19 (360 LF 6-inch)		2	2	8			\$ 2,360	
	Project S20 (765LF 6 & 8 & 10-inch)		4	6	14			\$ 4,830	
	Project S21 (320 LF 6-inch)		2	2	6			\$ 2,030	
	Project S22 (290 LF 8-inch)		2	2	6			\$ 2,030	
	Project S23 (140 LF 6-inch)		2	2	4			\$ 1,700	
	Project S24 (145LF 8-inch)		2	2	4			\$ 1,700	
	Opinion of Probable Construction Cost	0	8	20	20			\$ 10,100	
	Constructability Review (Including site visits)	0	6	8	8	40		\$ 16,880	
	Utility Clearance (Level D one call Franchise Utility Locations)	0	8	18	18			\$ 9,330	
	Identification of potential utility conflicts (Utility Matrix)	0	6	15	30			\$ 10,050	
	Erosion Control Plan	0	2	9	18			\$ 5,550	
3.0	Final Design (90P & 100P)	0	74	190	338	36	0	\$ 130,570	\$ 5,000
	Package #1, #2 & #3 (totaling approx 13,100 LF)								
WBS2	Final Draft (95%) Construction Plans and Specifications (Includes Design Details) Preparation and Submission - 4,365 LF							\$ -	
	Project S1 (1500 LF 6 & 8-inch)		4	8	20			\$ 6,260	
	Project S2 (1030 LF 8-inch)		2	6	14			\$ 4,230	
	Project S3 (550 LF 6-inch)		1	4	8			\$ 2,500	
	Project S4 (600LF 6-inch)		1	4	8			\$ 2,500	
	Project S5 (1180 LF 6 and 12-inch)		4	6	16			\$ 5,160	
	Project S6 (390 LF 6-inch)		1	4	6			\$ 2,170	
	Project S7 (415 LF 6-inch)		1	4	6			\$ 2,170	
	Project S8 (210LF 6-inch)		1	2	4			\$ 1,400	
	Project S9 (800 LF 6-inch)		2	4	12			\$ 3,460	
	Project S10 (525 LF 6-inch)		2	4	8			\$ 2,800	
	Project S11 (310 LF 6-inch)		2	2	4			\$ 1,700	
	Project S12 (776LF 6-inch)		2	4	10			\$ 3,130	
	Project S13 (420 LF 6-inch)		1	4	6			\$ 2,170	
	Project S14 (520LF 6-inch)		1	4	6			\$ 2,170	
	Project S15 (565 LF 6-inch)		1	4	6			\$ 2,170	
	Project S16 (335LF 6-inch)		1	2	4			\$ 1,400	
	Project S17 (550 LF 6 & 8-inch)		1	4	8			\$ 2,500	
	Project S18 (385 LF 6-inch)		1	2	6			\$ 1,730	
	Project S19 (360 LF 6-inch)		1	2	6			\$ 1,730	
	Project S20 (765LF 6 & 8 & 10-inch)		2	4	10			\$ 3,130	
	Project S21 (320 LF 6-inch)		1	2	4			\$ 1,400	
	Project S22 (290 LF 8-inch)		1	2	4			\$ 1,400	
	Project S23 (140 LF 6-inch)		1	2	4			\$ 1,400	
	Project S24 (145 LF 8-inch)		1	2	4			\$ 1,400	
	Final (100%) Specifications Preparation and Submission (13,000 LF)	0	18	40	120	18		\$ 39,400	\$5,000
	Opinion of Probable Construction Cost (100%)	0	8	16	16	18		\$ 13,960	
	Draft WORD Bid Book	0	12	48	18			\$ 17,130	
4.0	Bid Phase Services Package #1, #2, #3 - 2026 (totaling approx 13,100 LF)	0	51	78	66	0	0	\$ 43,350	
4A	Bid Phase Services Package #1 - 2026 (totaling approx 4365 LF)							\$ -	0
	Respond to bidders questions, Modify Plans and Specifications for bidder clarifications		4	6	4			\$ 3,180	
	Attend Pre-bid Conference, prepare agenda		2	4	4			\$ 2,140	
	Review bidders qualification and make recommendation to City		4	4	4			\$ 2,740	
	Attend Bid Opening, Bid Tabulation, and Recommendation for Award		6	8	6			\$ 4,550	
	Submit Final Drawings in PDF & DWG Format		1	4	4			\$ 1,840	
4B	Bid Phase Services Package #2 - 2026 (totaling approx 4365 LF)							\$ -	0
	Respond to bidders questions, Modify Plans and Specifications for bidder clarifications		4	6	4			\$ 3,180	
	Attend Pre-bid Conference, prepare agenda		2	4	4			\$ 2,140	
	Review bidders qualification and make recommendation to City		4	4	4			\$ 2,740	
	Attend Bid Opening, Bid Tabulation, and Recommendation for Award		6	8	6			\$ 4,550	
	Submit Final Drawings in PDF & DWG Format		1	4	4			\$ 1,840	
4C	Bid Phase Services Package #3- 2028 (totaling approx 4365 LF)							\$ -	0
	Respond to bidders questions, Modify Plans and Specifications for bidder clarifications		4	6	4			\$ 3,180	
	Attend Pre-bid Conference, prepare agenda		2	4	4			\$ 2,140	

	Review bidders qualification and make recommendation to City		4	4	4			\$ 2,740	
	Attend Bid Opening, Bid Tabulation, and Recommendation for Award		6	8	6			\$ 4,550	
	Submit Final Drawings in PDF & DWG Format		1	4	4			\$ 1,840	
5.0	Construction Phase Services Package #1, #2, #3 - 2026 (totaling approx 13,100 LF)	6	75	102	30	0	0	\$ 51,900	
5A	Construction Phase Services Package #1 - 2026 (totaling approx 4365 LF)							\$ -	
	Attend Pre Construction Meeting	2	4	4				\$ 2,750	
	Monthly Progress Meetings (Assume 6)	0	6	6				\$ 3,120	
	Review of Contractor RFIs, submittals (Assume 6)	0	5	10				\$ 3,700	
	Final Inspection	0	8	8				\$ 4,160	
	Record Drawings	0	2	6	10			\$ 3,570	
5B	Construction Phase Services Package #2- 2027 (totaling approx 4365LF)							\$ -	
	Attend Pre Construction Meeting	2	4	4				\$ 2,750	
	Monthly Progress Meetings (Assume 6)	0	6	6				\$ 3,120	
	Review of Contractor RFIs, submittals (Assume 6)	0	5	10				\$ 3,700	
	Final Inspection	0	8	8				\$ 4,160	
	Record Drawings	0	2	6	10			\$ 3,570	
5C	Construction Phase Services Package #3- 2028 (totaling approx 4365 LF)							\$ -	
	Attend Pre Construction Meeting	2	4	4				\$ 2,750	
	Monthly Progress Meetings (Assume 6)	0	6	6				\$ 3,120	
	Review of Contractor RFIs, submittals (Assume 6)	0	5	10				\$ 3,700	
	Final Inspection	0	8	8				\$ 4,160	
	Record Drawings	0	2	6	10			\$ 3,570	
	Subtotal Fee							\$444,615	\$5,000
6.0	Special Services	0	0	0	0	0		\$ 138,345.00	
	Topo Survey (13,100 LF)							\$ 98,345.00	0
	City Directed Services (additional WW design, Geotech or SUE or Metes/Bounds descriptions for new easements)							\$ 40,000.00	
Totals		10	402	664	883	76	42	2077.00	

CITY OF GRAND PRAIRIE-WASTEWATER MAIN (Emergency and Phase 1)REPLACEMENT/REHAB FOR TRA BASIN 5J sub-basin 3
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Item No.	DESCRIPTION	UNITS	TOTAL QUANTITY (S1 thru S24)	UNIT PRICE	TOTAL AMOUNT
1	Mobilization , insurance, bonds, transportation and setup.	LS	1	\$ 50,000.00	\$ 50,000.00
2	Site preparation , clearing and grubbing, fence removal and relocation, work fully performed as per specifications.	LS	1	\$ 10,000.00	\$ 10,000.00
3	Construction staking , work fully performed as per specifications, complete in place.	LS	1	\$ 21,000.00	\$ 21,000.00
4	Grand Prairie sign , as in "Appendix G" of this Bid Book.	EA	2	\$ 3,500.00	\$ 7,000.00
5	Concrete sidewalk (4") remove & replace, work fully performed as per specifications.	SF	400	\$ 7.50	\$ 3,000.00
6	Construct barrier free ramp as per specifications, complete in place.	SF	5	\$ 2,600.00	\$ 13,000.00
7	Street sign , remove & reset, as per specifications, complete in place.	EA	9	\$ 250.00	\$ 2,250.00
8	Concrete curb , remove & replace, as per specifications, complete in place.	LF	247	\$ 65.00	\$ 16,055.00
9	Concrete driveway (6") remove & replace, as per specifications, complete in place.	SY	419	\$ 190.00	\$ 79,633.43
10	Barricading and traffic control , complete in place.	LS	1	\$ 8,000.00	\$ 8,000.00
11	Erosion control measures (SWPPP), furnish and install complete in place.	LS	1	\$ 10,000.00	\$ 10,000.00
12	Trench safety , furnish and install complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	LF	13,070	\$ 3.50	\$ 45,745.00
13	Bermuda or St. Augustine Grass Sodding , furnish and install complete in place, including an erosion fiber mat.	SY	40	\$ 30.00	\$ 1,200.00
15	Remove & dispose existing sewer manhole, complete in place, as per specifications.	EA	57	\$ 2,000.00	\$ 114,000.00
16	48-inch diameter sanitary sewer manhole , furnish & install complete in place, as per specifications.	EA	61	\$ 8,500.00	\$ 518,500.00
17	8-inch SDR 26 PVC sewer main , furnish and install complete in place, including embedment, backfill and clean up.	LF	11,910	\$ 220.00	\$ 2,620,200.00
18	12-inch SDR 26 PVC sewer main , furnish and install complete in place, including embedment, backfill and clean up.	LF	1,380	\$ 350.00	\$ 483,000.00
19	4" PVC sanitary service lateral with 4" cleanout, furnish and install complete in place, including embedment, backfill and clean up.	EA	162	\$ 1,900.00	\$ 307,800.00
20	Television inspection of sanitary sewer (pre- and post-construction), as per specifications.	LF	24,360	\$ 5.00	\$ 121,800.00
Subtotal					\$ 4,432,183.43
30% Contingency					\$ 1,329,655.03
Total Cost					\$ 5,761,838.46