

**SECOND AMENDMENT TO  
PROFESSIONAL SERVICES AGREEMENT  
FOR CIVIL ENGINEERING SERVICES FOR  
THE NORTH FRIO BIKE AND PEDESTRIAN  
(WEST HOUSTON STREET TO INTERSTATE HIGHWAY 10) PROJECT  
NO.: 23-04063**

This Amendment to the Professional Services Agreement for Civil Engineering Services for the North Frio Bike and Pedestrian Improvements (West Houston Street to Interstate Highway 10) Project ("Project"), is entered into by and between the City of San Antonio ("City"), a home rule municipal corporation, acting by and through its City Manager, and Lamb-Star Engineering, LLC. ("Consultant"), acting by and through its duly authorized corporate representative, as set out below. The City and Consultant are referred to collectively herein as the "Parties".

**WHEREAS**, on November 10, 2022, through Ordinance 2022-11-10-0872, City Council approved the execution of a Professional Services Agreement between the Parties; and

**WHEREAS**, on June 23, 2023, the Parties executed a Professional Services Agreement in an amount not to exceed \$717,540.00 ("Original Agreement"); and

**WHEREAS**, the Parties have previously amended the Original Agreement adding additional services and contract capacity of \$19,128.55, for a total current contract capacity of \$736,668.55; and

**WHEREAS**, the Parties seek to add additional professional services and increase the contract capacity by \$316,112.56 to the Project, as described in the Fee Proposal attached as **Exhibit 1**, and summarized in the table below:

Original contract capacity	\$717,540.00
Previous contract Amendment	\$19,128.55
Present contract capacity	\$736,668.55
Amendment amount	\$316,112.56
New contract capacity	\$1,052,781.11

**WHEREAS**, it is understood between the Parties that Exhibit 1 is attached solely for reference to the additional scope of services contained therein, and City is not bound by any additional terms or conditions contained therein nor in any attachments thereto; and

**WHEREAS**, the Contract Price is hereby revised to a not to exceed amount of \$1,052,781.11; and

**NOW THEREFORE**, in consideration of the terms, covenants, agreements and demises herein contained each to the other given, the sufficiency and receipt of which are hereby acknowledged, the Original Agreement is amended as follows:



1. **Contract Price.** The not to exceed amount of the Contract Price is hereby increased in the amount of \$316,112.56 for a revised not to exceed Contract Price of ONE MILLION, FIFTY-TWO THOUSAND, SEVEN-HUNDRED EIGHTY-ONE AND 11/100 U.S. DOLLARS (\$1,052,781.11).
2. **Additional Services.** The additional services described in the proposal letter attached as **Exhibit 1**, excluding any additional terms contained therein or in any attachments thereto, are hereby added and incorporated into the Original Agreement.
3. **Signatory Authority.** Consultant represents, warrants, assures and guarantees that the signatory below has full legal authority to execute this Agreement on behalf of Consultant and to bind Consultant to all terms, performances and provisions herein contained.

Except as amended hereby, all other provisions of the Agreement and corresponding Amendments are hereby retained in their entirety and remain unchanged.

**EXECUTED** and **AGREED** on this date: \_\_\_\_\_.

**CITY OF SAN ANTONIO**

**LAMB-STAR ENGINEERING, LLC.**

\_\_\_\_\_  
(Signature)

Razi Hosseini, P.E., R.P.L.S.  
Director/City Engineer,  
Public Works Department

*Adam Ellis*  
\_\_\_\_\_  
(Signature)

Adam Ellis  
Principal in Charge

Approved as to Form:

\_\_\_\_\_  
Tino Gallegos  
Assistant City Attorney



## **Exhibit 1**





11/08/2024

Eric Salazar, P.E.  
Project Manager  
City of San Antonio (PWD)  
100 W. Houston St., 15th Floor  
San Antonio, TX 78205

RE: 2022-2027 N. Frio Bicycle and Pedestrian Improvements – PS&E Scope and Fee from 95% Design to Bid Phase

Dear Mr. Salazar:

As requested, Lamb-Star is pleased to provide this cost proposal to City of San Antonio (CoSA) to provide civil engineering services for the above referenced project. The below proposal includes scope and fee from **95% design to bid phase services**. Our understanding of the the project scope is based on the previous work authorization as well as multiple email correspondences with City staff. In general, the scope of work is described as follows:

- Improve bicycle and pedestrian mobility along N. Frio corridor from IH-10 to W. Houston St. by widening the roadway to incorporate a 5-ft bike lane in both directions of travel.
- Improvements also include construction of curbs, sidewalks, pedestrian ramps, concrete bus pads, driveway approaches, pedestrian poles, and reconstruction of drainage inlets, and mill and overlay within the project limits.
- Reconfigure roadway typical section to include 10-ft inside lanes, 11-ft outside lanes, 5-ft bike lanes, and maintaining existing left turn lanes.
- Supplemental Services: The following additional services will only be implemented if required and with prior approval from the City. If additional services not specified are requested by the City, those services will be clearly communicated and negotiated at that time and require approval from the City prior to commencing work. All additional services tasks that include sub-consultant support also include time for Lamb-Star Engineering to manage sub-consultant, coordinate tasks and update necessary design base files utilized for deliverables.
  - Additional Service 1 (SUE) (Quality Level A - CPS): Scope of work include 4 test holes needed for QLA designation on CPS gas lines near construction around proposed inlet replacements.
  - Additional Service 2 (Tree Mitigation Plan): Work includes identification of tree





replacements including number/size/species of trees, or determination of mitigation fees.

- Additional Service 3 (360 VR Walking Video): Includes a VR walking video for proposed pedestrian and bicycle features through the project limits.
- Additional Service 4 (Portable Changeable Message Sign (PMCS)): Includes PMCS for notification of public meeting along roadway.
- Additional Service 5 (Local Government Project Procedures (LGPP)): Scope of work includes time for additional TxDOT meetings (DCC, 30% DDRT, & 60%DDRT) and additional comments.
- Additional Service 6 (Complex Utility Coordination): Scope of work includes additional time for coordination with utility companies for relocating approximately 80 power poles and associated aerial utilities utilizing CPS power poles.
- Additional Service 7 (Supplemental General Engineering Services): Includes supplemental design or survey services. This includes but not limited to what is included in the original scope of services, items listed under exclusions, and additional design tasks that may be requested by the City.
- Additional Service 8 (Submit and Secure Tree Permit Application): At completion of project, coordinate with City arborist to secure tree permit application.
- Additional Service 9 (Prepare Distribution Mailing List for Public Meetings): Provide support for public meetings including preparing distribution list.
- Additional Service 10 (Landscaping Plans and Details): Scope of work includes landscaping design for trees and/or decorative pavers.
- Additional Service 11B (SAWS Sewer Design): Scope of work in addition to the previously approved \$53K (\$47K for Water & \$6K for Sewer) estimated level of effort. Work includes 26 manhole assessments throughout the project and plan set development for mitigation given proposed roadway improvements.
- Additional Service 12 (Survey CPS Relocated power poles/illumination): Scope of work includes surveying proposed staked locations of CPS power poles and final constructed locations of relocated power poles to mitigate any potential conflicts in design.

Project Phase	Duration, days	Fee	Total Fee
95% Design	40	\$ 114,617.42	
Bid Phase	20	\$ 33,422.64	
<b>TOTAL - Basic Services (PS&amp;E) Not to Exceed</b>			<b>\$ 148,040.06</b>





<b>Additional Services / Allowances</b>	<b>Fee</b>	<b>Total Fee</b>
Additional Service 1 (SUE) (Quality Level A - CPS Gas) (4 Testholes at \$3,928.75 EA)	\$ 15,715.00	
Additional Service 2 (Tree Mitigation Plan)	\$ 8,470.00	
Additional Service 3 (360 VR Walking Video)	\$ 7,425.00	
Additional Service 4 (Portable Changeable Message Sign)	\$ 5,000.00	
Additional Service 5 (LGPP)	\$ 18,130.00	
Additional Service 6 (Complex Utility Coordinaiton)	\$ 19,485.00	
Additional Service 7 (Supplemental General Engineering Services)	\$ 30,000.00	
Additional Service 8 (Submit and Secure Tree Permit Application)	\$ 10,075.00	
Additional Service 9 (Prepare Distribution Mailing List for Public Meetings)	\$ 5,155.00	
Additional Service 10 (Landscaping Plans and Details)	\$ 20,045.00	
Additional Service 11A (SAWS Water Design through bid phase)	\$ 0.00	
Additional Service 11B (SAWS Sewer Design through bid phase)	\$ 14,815.00	
Additional Service 12 (Survey CPS Final Relocated power poles/illumination locations)	\$ 13,757.50	
<b>TOTAL - Additional Services Not to Exceed</b>		<b>\$ 168,072.50</b>

The total lump sum fee for the PS&E Basic Services is based on level of effort and conforms to the Public Works Department Exhibit D - Professional Engineering Service Fee. The additional services allowance for the PS&E Design Phase conforms to the DGM Exclusion List.

Proposed Scope of Work will follow the City of San Antonio (CoSA) Transportation and Capital Improvements Design Guidance Manual and will utilize TxDOT bid items for the cost estimates.

We appreciate the opportunity to work with you on this project and are ready to commence work upon receipt of a notice to proceed. If you have any questions, please feel free to contact me at (210) 485-2467 at your convenience.

Sincerely,

Jason Granado, P.E.  
Project Manager  
Lamb-Star Engineering, LLC





## Attachements

- Fee Summary
- Additional Services Project Workplan and Fee Proposal Breakdown
- CPS QL-A Testhole Layouts
- SAWS Proposal



## City of San Antonio - Public Works Department

Design Guidance Manual

**FEE SUMMARY AND TIMELINE FOR PROFESSIONAL SERVICES**

Project: Prime Consultant: Subconsultant: Proposal Date: Prepared By:	<b>N. Frio Bicycle and Pedestrian Improvements</b> <b>Lamb-Star Engineering, LLC</b>  <b>11/8/2024</b> Jason Granado
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Scope of Work: 95% Design to Bid Phase

Addition of bicycle lanes and reconstruction of sidewalks and pedestrian amenities. Other improvements include the construction of curbs, bus pads, driveway approaches, and drainage inlets along N. Frio St. from IH-10 to W. Houston St. This project will help provide bicycle and pedestrian connectivity within the provided limits.

ACTIVITY	TIMELINE	
	(CALENDAR DAYS)	FEE
<b>95% Design Phase</b>	<b>40</b>	<b>\$114,617.42</b>
1. Prime Consultant		\$61,807.50
2. Consor		\$11,080.00
3. Poznecki-Camarillo		\$16,816.00
4. Bain Medina Bain		\$12,400.00
5. Mendez		\$10,780.00
6. Integrated CM Solutions		\$1,733.92
<b>Bid Phase</b>	<b>20</b>	<b>\$33,422.64</b>
1. Prime Consultant		\$22,490.00
2. Consor		\$1,720.00
3. Poznecki-Camarillo		\$1,410.00
4. Bain Medina Bain		\$0.00
5. Mendez		\$0.00
6. Integrated CM Solutions		\$7,802.64
<b>BASE FEE TOTAL (95% Design through Bid Phase)</b>	<b>60</b>	<b>\$148,040.06</b>
<b>Additional Services and Allowances (95% Design through Bid Phase)</b>		
1. Additional Service 1 (SUE) (Level A - CPS Gas)		\$15,715.00
2. Additional Service 2 (Tree Mitigation Plan)		\$8,470.00
3. Additional Service 3 (360 VR Walking Video)		\$7,425.00
4. Additional Service 4 (Portable Changeable Message Sign)		\$5,000.00
5. Additional Service 5 (LGPP)		\$18,130.00
6. Additional Service 6 (Complex Utility Coordinaiton)		\$19,485.00
7. Additional Service 7 (Supplemental General Engineering Services)		\$30,000.00
8. Additional Service 8 (Submit and Secure Tree Permit Application)		\$10,075.00
9. Additional Service 9 (Prepare Distribution Mailing List for Public Meetings)		\$5,155.00
10. Additional Service 10 (Landscaping Plans and Details)		\$20,045.00
11. Additional Service 11A (SAWS Water Design through Bid Phase)		\$0.00
12. Additional Service 11B (SAWS Sewer Design through Bid Phase)		\$14,815.00
13. Additional Service 12 (Survey CPS Final Relocated power poles/illumination locations)		\$13,757.50
<b>ADDITIONAL SERVICES TOTAL(95% Design through Bid Phase)</b>		<b>\$168,072.50</b>
<b>GRAND TOTAL (95% Design through Bid Phase)</b>		<b>\$316,112.56</b>



City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: N. Frio Bicycle and Pedestrian Improvements  
Prime Consultant: Lamb-Star  
Subconsultant:  
Proposal Date: 11/8/2024  
Prepared By: Jason Granado

	Director \$295.00	Project Manager \$240.00	Senior Engineer \$210.00	Project Engineer \$175.00	Engineer in Training \$100.00	CAD Technician \$150.00	Administration/ Clerical \$120.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
Additional Service 1 (SUE)(Quality Level A-CPS) Total								\$	15,715.00
XX SUE (Quality Level A)				4 Testholes at \$3,928.75 EA				\$	15,715.00
Additional Service 2 (Tree Mitigation Plan) Total								\$	8,470.00
09. Other Plans									
09.070. Tree Mitigation Plan	1	4		20	6		1	32	\$ 5,475.00
09.080. Details and Specifications									\$ -
09.080.010. Special Details				6	2			8	\$ 1,250.00
09.080.020. List of Governing Specifications									\$ -
09.080.030. Special Provisions									\$ -
09.080.040. Cost Estimate	1			6	4			11	\$ 1,745.00
Additional Service 3 (360 VR Walking Video) Total								\$	7,425.00
XX Other Deliverables									
XX.01 360 VR Waling Video and Development	1	4		30	8		1	44	\$ 7,425.00
Additional Service 4 (Portable Changeable Message Sign) Total Lump Sum Cost								\$	5,000.00
XX Other Deliverables									
XX.01 Portable Changeable Message Sign (Lump Sum Cost) (Up to 20 days at \$250/day rental)								\$	5,000.00
Additional Service 5 (Local Government Project Procedures) Total								\$	18,130.00
30% Design	8	18		26	16		1	69	\$ 12,950.00
XX TxDOT and COSA Design Coordination									
XX.01 DDRT Meetings (30%), Documentation Checklist Prep, & Comment Resolution	2	8		12	4		1	27	\$ 5,130.00
XX.01 DSR Preparation and Checklist		4		6	4			14	\$ 2,410.00
60% Design	297	312		328	256.5		128	429.5	\$ 5,180.00
XX TxDOT and COSA Design Coordination									
XX.01 DDRT Meetings (60%), Documentation Checklist Prep, & Comment Resolution	2	8		10	8		1	29	\$ 5,180.00
Additional Service 6 (Complex Utility Coordination) Total								\$	19,485.00
XX Complex Utility Coordination									
XX.01 Additional meetings with utility companies	1	8		6	6		1	22	\$ 3,985.00
XX.02 Develop Exhibits and Review Proposed Design Plans	1	6		20	10			37	\$ 6,235.00
XX.03 Update plans with new pole locations, callouts, and UCM with proposed locations	1	8		30	18			57	\$ 9,265.00
Additional Service 7 (Supplemental General Engineering Services) Total Lump Sum								\$	30,000.00
XX Supplemental General Engineering Services									
XX.01 Work not previously included in original scope of work as requested by COSA (Lump Sum)								\$	30,000.00
Additional Service 8 (Submit and Secure Tree Permit Application) Total								\$	10,075.00
XX Submit and Secure Tree Permit Application									
XX.01 Tree permit application, review plans for compliance, coordination with COSA	1	6		20	14		1	42	\$ 6,755.00
XX.02 Site Vist prior to construction		8		8				16	\$ 3,320.00
Additional Service 9 (Prepare Distribution Mailing List for Public Meetings) Total								\$	5,155.00
XX Prepare Distribution Mailing List for Public Meetings									
XX.01 Review affected properties, Coordination with COSA, preparation of mailing list/material	1	6		12	12		1	32	\$ 5,155.00
Additional Service 10 (Landscaping Plans and Details) Total								\$	20,045.00
09. Other Plans									
09.XX Landscaping Plans	1	10		40	20		1	72	\$ 11,815.00
09.XX Details and Specifications									\$ -
09.080.010. Special Details	1	4		12	10			27	\$ 4,355.00
09.080.020. List of Governing Specifications									\$ -
09.080.030. Cost Estimate	1	2		12	10			25	\$ 3,875.00
Additional Service 11B (SAWS Water Design Through Bid Phase)								\$	-
XX Joint Bid Plans for SAWS Water and Sewer Plans									
Water & Sewer fee total of \$53K (Water \$47K & Sewer \$6K) Additional overage is accounts through bid phase only.									
XX.01				Refer to the SAWS LOE				\$	-
Additional Service 11B (SAWS Sewer Design Through Bid Phase)								\$	14,815.00
XX Joint Bid Plans for SAWS Water and Sewer Plans									
Water & Sewer fee total of \$53K (Water \$47K & Sewer \$6K) Additional overage is accounts through bid phase only.									
XX.01				Refer to the SAWS LOE				\$	14,815.00
	Director \$285.00	Survey Manager (RPLS) \$240.00	Survey Technician \$135.00	CADD Operator \$150.00	Field Coordinator \$145.00	2-Person Field Crew \$235.00	Admin / Clerical \$120.00		
Additional Service 12 (Survey CPS Final Relocated power poles/illumination locations)								\$	13,757.50
03.130. Powerpole Relocation Survey (Survey final powerpole/illumination locations for up to 90 poles)	2	6	16	8	3.5	32	3	70.5	\$ 13,757.50
ADDITIONAL SERVICES TOTAL(95% Design through Bid Phase)								\$	168,072.50



City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: N. Frio Bicycle and Pedestrian Improvements  
Prime Consultant: Lamb-Star  
Subconsultant:  
Proposal Date: 10/1/2024  
Prepared By: Jason Granado

	Director \$295.00	Project Manager \$240.00	Senior Engineer \$210.00	Project Engineer \$175.00	Engineer in Training \$100.00	CAD Technician \$150.00	Adiministration/ Clerical \$120.00	Survey Director \$285.00	Survey Manager (RPLS) \$240.00	Survey Technician \$135.00	Field Coordinator \$145.00	2-Person Field Crew \$235.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS		HOURS	HOURS	HOURS	HOURS	TASK / PHASE TASK HOURS FEE
95% Design	12	61	4	14	126	98	7	2	6	16	3.5	32	381.5 \$ 61,807.50
01. Project Management and General Items													
01.030. Design Review Meetings (95%)	1	2		2									5 \$ 1,125.00
01.040. Design Progress Review Meetings (frequency as needed for project development)	1	2		2									5 \$ 1,125.00
01.050. Prepare Meeting Minutes for all attended meetings	1	2		2									5 \$ 1,125.00
01.060. Develop and Maintain Project Schedules (includes both Design and Construction)	1	4											5 \$ 1,255.00
Project Administration (includes but not limited to invoicing, sub consultants management, document management, PRIMELink)	1	2					4						7 \$ 1,255.00
01.080. QA/QC (processes, communication, and deliverables)	4	8											12 \$ 3,100.00
01.090. Operations and Maintenance Manual													\$ -
03. Topographic Surveying / Base Mapping													
03.130. Powerpole Staking for Utility Relocation Prior to Project Bid (Powerpole staking up to 90 pole locations)						8	3	2	6	16	3.5	32	70.5 \$ 13,757.50
04. Roadway Design													
04.010. General Sheets – Index, Summaries / Quantities, Supplemental General Notes		1			2	2							5 \$ 740.00
04.020. Refine Typical Roadway Sections (Existing and Proposed) for various roadways in project area		1											1 \$ 240.00
04.030. Horizontal Roadway Alignments		1			8	8							17 \$ 2,240.00
04.040. Roadway Profiles		2			16	16							34 \$ 4,480.00
04.050. Street Cross Sections		2			32	32							66 \$ 8,480.00
04.060. Develop Plan and Profile sheets for 1" = 40' plans unless PM specified differently		8											8 \$ 1,920.00
04.070. Driveway Summary Sheet		1			4	4							9 \$ 1,240.00
04.080. Retaining Wall Plans (Greater than 3 ft)													\$ -
05. Drainage Design													
05.020. Design Storm Drain Facilities (Plan and Profile)													\$ -
05.020.010. Roadways and Storm Drain System		1			4	2							7 \$ 940.00
05.020.020. Channels													\$ -
05.020.030. Bridges / Bridge Class Culverts													\$ -
05.020.040. Horizontal Channel Alignments													\$ -
05.020.050. Channel Cross Sections													\$ -
05.020.060. Culvert Excavation Cross Sections													\$ -
05.020.070. Special Review Coordination (as required by project)		1			4	2							7 \$ 940.00
07. Utility Coordination / Management													
07.010. Utility Basemap		2			4	4							10 \$ 1,480.00
07.020. Utility Coordination (Section 5.0 of the DGM)		2											2 \$ 480.00
07.030. Incorporate Joint-Bid Utility Plans													\$ -
Update Utility Conflict Matrix and continually monitor throughout design for resolution of all utilities													
07.040. (including non joint-bid utilities).		1			2	2							5 \$ 740.00
08. Traffic Control Plan													
08.010. Construction Phasing Typical Sections		1			4	2							7 \$ 940.00
08.020. Construction Phasing and Sequence of Work		1			4	2							7 \$ 940.00
08.030. Construction Phasing Layouts													\$ -
08.040. Traffic control and advanced warning devices													\$ -
08.050. Detour layouts and barricade plans													\$ -
08.060. Temporary Signals													\$ -
08.070. Temporary Illumination													\$ -
08.080. Pedestrian detours		1			4	2							7 \$ 940.00
08.090. Joint-bid utilities incorporation (joint-design or non-joint-design)													\$ -
09. Other Plans													
09.010. Intersection Layouts		1		2	2								5 \$ 790.00
09.020. Bridge Layouts													\$ -
09.030. Traffic Signal Plans													\$ -



City of San Antonio - Public Works Department

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Subconsultant:  
Proposal Date: 10/1/2024  
Prepared By: Jason Granado

	Director \$295.00	Project Manager \$240.00	Senior Engineer \$210.00	Project Engineer \$175.00	Engineer in Training \$100.00	CAD Technician \$150.00	Adiministration/ Clerical \$120.00	Survey Director \$285.00	Survey Manager (RPLS) \$240.00	Survey Technician \$135.00	Field Coordinator \$145.00	2-Person Field Crew \$235.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK / PHASE TASK HOURS FEE
09.040. Illumination Plans													\$ -
09.050. Pavement Marking and Signing Plan		1		2	4								\$ 990.00
09.060. SW3P Plan													\$ -
09.060.010. SW3P Narrative													\$ -
09.060.020. SW3P Layouts													\$ -
09.070. Tree Preservation / Mitigation Plan													\$ -
09.080. Details and Specifications													\$ -
09.080.010. Special Details		1			4	2							\$ 940.00
09.080.020. List of Governing Specifications		2			4	2							\$ 1,180.00
09.080.030. Special Provisions													\$ -
09.080.040. Special Specifications													\$ -
10. Environmental and Regulatory Coordination													
10.010. General Environmental Coordination		2			8	4							\$ 1,880.00
10.020. TXDOT Permits													\$ -
10.030. TDLR Design Approval		2			8	4							\$ 1,880.00
11. Cost Estimating													
11.010. 95% Plans Cost Estimate	1	2		4	8								\$ 2,275.00
15. Communications													
15.030. Stakeholder Meetings	2	4	4										\$ 2,390.00
Bid Phase	2	22			84		16						166 \$ 22,490.00
12. Bid Phase													
12.010. Submit 100% Plans With All Joint-Bid Utilities		4			24	24							52 \$ 6,960.00
12.020. Final Project Specifications Book		2			8		8						18 \$ 2,240.00
12.030. Submittal List		2			8								10 \$ 1,280.00
12.040. Finalize Constructability Issues	2	2			4								8 \$ 1,470.00
12.050. Review Utility Conflict Report and Address Pending Items		2			2								4 \$ 680.00
12.060. Participate in 100% Review Meeting		2			4	2							8 \$ 1,180.00
12.070. Assist the City in Preparing Advertising Documents					4		8						12 \$ 1,360.00
12.080. Distribute Plans and Specifications to Contractors and Plan Rooms		2			2								4 \$ 680.00
12.090. Participate in Pre-Bid Meeting		2			8								10 \$ 1,280.00
12.100. Respond to Contractor Questions		2			12	16							30 \$ 4,080.00
12.110. Prepare and Distribute Necessary Addenda		2			8								10 \$ 1,280.00
12.120. Evaluate Bids, Prepare Bid Tabulation, and Issue Letter of Recommendation													\$ -
12.130. Participate in Pre-Con meeting													\$ -
TOTAL BASE FEE WITH HOUR BREAKDOWN	55	396		224	764		65						2183.5 \$ 84,297.50



City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: N. Frio Bike and Ped Improvements  
Prime Consultant: Lamb-Star  
Subconsultant: Consor  
Proposal Date: 1/31/2024  
Prepared By: Xiduo Wang, Consor Engineers

Insert Positions As Required -----> Insert Approved Hourly Rate for Each Position ----->	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	CADD Operator	Clerical			
	\$260.00	\$235.00	\$162.50	\$137.50	\$100.00	\$87.00	\$70.00			
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE	
95% Design	4	8	13	9	22	30	0	0	86	\$11,080.00
01. Project Management and General Items										
01.030. Design Review Meetings (95%)										
01.040. Design Progress Review Meetings (frequency as needed for project development)										
01.050. Prepare Meeting Minutes for all attended meetings										
01.060. Develop and Maintain Project Schedules (includes both Design and Construction)										
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, document management, PRIMELink)										
01.080. QA/QC (processes, communication, and deliverables)								16	\$3,180.00	
01.090. Operations and Maintenance Manual										
04. Roadway Design										
04.010. General Sheets – Index, Summaries / Quantities, Supplemental Geometric Data	2		2	2	2	2		10	\$1,494.00	
04.020. Refine Typical Roadway Sections (Existing and Proposed) for various roadways in project area										
04.030. Horizontal Roadway Alignments										
04.040. Roadway Profiles										
04.050. Street Cross Sections										
04.060. Develop Plan and Profile sheets for 1” = 40’ plans unless PM specified differently										
04.070. Driveway Summary Sheet										
04.080. Retaining Wall Plans (Greater than 3 ft)										
05. Drainage Design										
05.020. Design Storm Drain Facilities (Plan and Profile)										
05.020.010. Roadways and Storm Drain System										
05.020.020. Channels										
05.020.030. Bridges / Bridge Class Culverts										
05.020.040. Horizontal Channel Alignments										
05.020.050. Channel Cross Sections										
05.020.060. Culvert Excavation Cross Sections										
05.020.070. Special Review Coordination (as required by project)										
07. Utility Coordination / Management										
07.010. Utility Basemap										
07.020. Utility Coordination (Section 5.0 of the DGM)										
07.030. Incorporate Joint-Bid Utility Plans										
07.040. Update Utility Conflict Matrix and continually monitor throughout design for resolution of all utilities (including non joint-bid utilities).										



# City of San Antonio - Public Works Department

# Design Guidance Manual

## PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **N. Frio Bike and Ped Improvements**  
 Prime Consultant: **Lamb-Star**  
 Subconsultant: **Conсор**  
 Proposal Date: **1/31/2024**  
 Prepared By: **Xiduo Wang, Conсор Engineers**

Insert Positions As Required -----> Insert Approved Hourly Rate for Each Position ----->	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	CADD Operator	Clerical		
	\$260.00	\$235.00	\$162.50	\$137.50	\$100.00	\$87.00	\$70.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
08. Traffic Control Plan									
08.010. Construction Phasing Typical Sections									
08.020. Construction Phasing and Sequence of Work									
08.030. Construction Phasing Layouts									
08.040. Traffic control and advanced warning devices									
08.050. Detour layouts and barricade plans									
08.060. Temporary Signals								0	\$0.00
08.070. Temporary Illumination									
08.080. Pedestrian detours									
08.090. Joint-bid utilities incorporation (joint-design or non-joint-design)									
09. Other Plans									
09.010. Intersection Layouts									
09.020. Bridge Layouts									
09.030. Traffic Signal Plans	1		2	6	20	28		57	\$5,846.00
09.040. Illumination Plans									
09.050. Pavement Marking and Signing Plan									
09.060. SW3P Plan									
09.060.010. SW3P Narrative									
09.060.020. SW3P Layouts									
09.070. Tree Preservation / Mitigation Plan									
09.080. Details and Specifications									
09.080.010. Special Details									
09.080.020. List of Governing Specifications									
09.080.030. Special Provisions									
09.080.040. Special Specifications									
10. Environmental and Regulatory Coordination									
10.010. General Environmental Coordination									
10.020. TXDOT Permits									
10.030. TDLR Design Approval									
11. Cost Estimating									
11.010. 95% Plans Cost Estimate	1		1	1				3	\$560.00



City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: N. Frio Bike and Ped Improvements  
Prime Consultant: Lamb-Star  
Subconsultant: Consor  
Proposal Date: 1/31/2024  
Prepared By: Xiduo Wang, Consor Engineers

Insert Positions As Required -----> Insert Approved Hourly Rate for Each Position ----->	Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	CADD Operator	Clerical			
	\$260.00	\$235.00	\$162.50	\$137.50	\$100.00	\$87.00	\$70.00			
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE	
15. Communications										
15.030. Stakeholder Meetings										
Bid Phase	2	0	4	4	0	0	0	0	10	\$1,720.00
12. Bid Phase										
12.010. Submit 100% Plans With All Joint-Bid Utilities	2		4	4					10	\$1,720.00
12.020. Final Project Specifications Book										
12.030. Submittal List										
12.040. Finalize Constructability Issues										
12.050. Review Utility Conflict Report and Address Pending Items										
12.060. Participate in 100% Review Meeting										
12.070. Assist the City in Preparing Advertising Documents										
12.080. Distribute Plans and Specifications to Contractors and Plan Rooms										
12.090. Participate in Pre-Bid Meeting										
12.100. Respond to Contractor Questions										
12.110. Prepare and Distribute Necessary Addenda										
12.120. Evaluate Bids, Prepare Bid Tabulation, and Issue Letter of Recommendation										
12.130. Participate in Pre-Con meeting										
TOTAL BASE FEE WITH HOUR BREAKDOWN	20	38	78	61	120	154	6	477		\$12,800.00



City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project:  
Prime Consultant:  
Subconsultant:  
Proposal Date:  
Prepared By:

N. Frio Bike and Ped Improvements  
LambStar  
PCI  
2/2/2024  
Jeffrey S Hall, RPLS  
Fernando Camarillo, PE

	Principal	Senior Project Manager	Project Engineer	EIT II	CADD	RPLS	Servey Manager	SIT	3 Man Crew	Admin/ Clerical		
	\$315.00	\$225.00	\$178.00	\$120.00	\$120.00	\$220.00	\$180.00	\$127.00	\$215.00	\$85.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
95% Design	0	13	22	46	35	0	0	0	0	3	119	\$16,816.00
01. Project Management and General Items												
01.030. Design Review Meetings (95%)			2								2	\$ 356.00
01.040. Design Progress Review Meetings (2 MO)		1	2	4							7	\$ 1,061.00
01.050. Prepare Meeting Minutes for all attended meetings											0	\$ -
01.060. Develop and Maintain Project Schedules (includes both Design and Construction)											0	\$ -
01.070. Project Administration		3								3	6	\$ 930.00
01.080. QA/QC (processes, communication, and deliverables)											0	\$ -
01.090. Operations and Maintenance Manual											0	\$ -
											0	\$ -
09. Other Plans											0	\$ -
09.070. Tree Preservation / Mitigation Plan		4	8	32	32						76	\$ 10,004.00
09.080. Details and Specifications											0	\$ -
09.080.010. Special Details											0	\$ -
09.080.020. List of Governing											0	\$ -
09.080.030. Special Provisions											0	\$ -
09.080.040. Special Specifications											0	\$ -
											0	\$ -
10. Environmental and Regulatory Coordination											0	\$ -
10.010. General Environmental Coordination		1	2	2							5	\$ 821.00
											0	\$ -
15. Communications											0	\$ -
15.020. Attending Public Meeting and Providing Exhibits		2	4	4	3						13	\$ 2,002.00
15.030. Stakeholder Meetings		2	4	4							10	\$ 1,642.00
Bid Phase (100%)	0	2	0	4	4	0	0	0	0	0	10	\$1,410.00
12. Bid Phase												
12.010. Submit 100% Plans With All		2		4	4						10	\$ 1,410.00
12.020. Final Project Specifications Book											0	\$ -
12.030. Submittal List											0	\$ -
12.040. Finalize Constructability Issues											0	\$ -
TOTAL BASE FEE WITH HOUR BREAKDOWN	0	39	52	100	69	17	20	32	40	10	351	\$18,226.00



# City of San Antonio - Public Works Department

# Design Guidance Manual

## PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **N. Frio Bike and Ped Improvements**  
 Prime Consultant: **Lamb-Star**  
 Subconsultant: **Bain Medina Bain**  
 Proposal Date: **1/30/2024**  
 Prepared By: **Lorena Carter, P.E.**

Insert Positions As Required -----> Insert Approved Hourly Rate for Each Position ----->	Sr. Project Manager	Sr. Project Engineer	EIT II	Graduate Engineer	CAD Tech II	Admin Assistant			
	\$200.00	\$180.00	\$120.00	\$90.00	\$110.00	\$90.00			
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE	
95% Design	0	34	34	0	20	0	0	72	\$12,400.00
09. Other Plans									
09.060. SW3P Plan									
09.060.010. SW3P Narrative		6	6		4		16		\$2,240.00
09.060.020. SW3P Layouts and Details		8	8		8		24		\$3,280.00
09.060.030. SW3P Notes		8	8		4		20		\$2,840.00
09.060.040. EPIC Sheet		4	4		4		12		\$1,640.00
09.060.050. Coordination and Review Meeting		8	8				16		\$2,400.00
TOTAL BASE FEE WITH HOUR BREAKDOWN	0	150	154	0	132	0	0	388	\$12,400.00



<div>City of San Antonio - Public Works Department</div> <div>Design Guidance Manual</div> <div>PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN</div> <div>Project: N. Frio Bicycle and Pedestrian Improvements</div> <div>Prime Consultant: Lamb-Star</div> <div>Subconsultant: Mendez Engineering, PLLC</div> <div>Proposal Date: 2/25/2023</div> <div>Prepared By: Ray Méndez, PE, CFM, RGDP</div>														
<div>Insert Positions As Required -----&gt;</div> <div>Principal</div> <div>Senior Project Manager</div> <div>Project Manager</div> <div>Senior Engineer</div> <div>Project Engineer</div> <div>EIT II</div> <div>EIT I</div> <div>Senior Construction Inspector</div> <div>Construction Inspector</div> <div>Senior CADD Technician</div> <div>CADD Technician</div> <div>Admin/ Clerical</div>														
<div>Insert Approved Hourly Rate for Each Position -----&gt;</div> <div>\$240.00</div> <div>\$195.00</div> <div>\$180.00</div> <div>\$150.00</div> <div>\$140.00</div> <div>\$130.00</div> <div>\$115.00</div> <div>\$145.00</div> <div>\$125.00</div> <div>\$125.00</div> <div>\$100.00</div> <div>\$75.00</div>														
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
95% Design		14		14		40						10	78	\$ 10,780.00
01. Project Management and General Items														
01.030. Design Review Meetings (95%)														\$ -
01.040. Design Progress Review Meetings (frequency as needed for project developm														\$ -
01.050. Prepare Meeting Minutes for all attended meetings														\$ -
01.060. Develop and Maintain Project Schedules (includes both Design and Construct														\$ -
01.070. Project Administration (includes but not limited to invoicing, sub consultants m														\$ -
01.080. QA/QC (processes, communication, and deliverables)		8		4								2	14	\$ 2,310.00
01.090. Operations and Maintenance Manual														\$ -
01.100. Quantities / Cost Estimate QAQC		4				10						4	18	\$ 2,380.00
07. Utility Coordination / Management														
07.010. Utility Basemap														\$ -
07.020. Utility Coordination (Section 5.0 of the DGM)														\$ -
07.030. Incorporate Joint-Bid Utility Plans (Surface Feature Adjustments)		2		10		30						4	46	\$ 6,090.00
07.040. Update Utility Conflict Matrix and continually monitor throughout design for res														\$ -
Bid Phase														\$ -
12. Bid Phase														
12.010. Submit 100% Plans With All Joint-Bid Utilities														\$ -
12.020. Final Project Specifications Book														\$ -
12.030. Submittal List														\$ -
12.040. Finalize Constructability Issues														\$ -
12.050. Review Utility Conflict Report and Address Pending Items														\$ -
12.060. Participate in 100% Review Meeting														\$ -
12.070. Assist the City in Preparing Advertising Documents														\$ -
12.080. Distribute Plans and Specifications to Contractors and Plan Rooms														\$ -
12.090. Participate in Pre-Bid Meeting														\$ -
12.100. Respond to Contractor Questions														\$ -
12.110. Prepare and Distribute Necessary Addenda														\$ -
12.120. Evaluate Bids, Prepare Bid Tabulation, and Issue Letter of Recommendation														\$ -
12.130. Participate in Pre-Con meeting														\$ -
TOTAL BASE FEE WITH HOUR BREAKDOWN		46		56		165						30	246	\$ 10,780.00



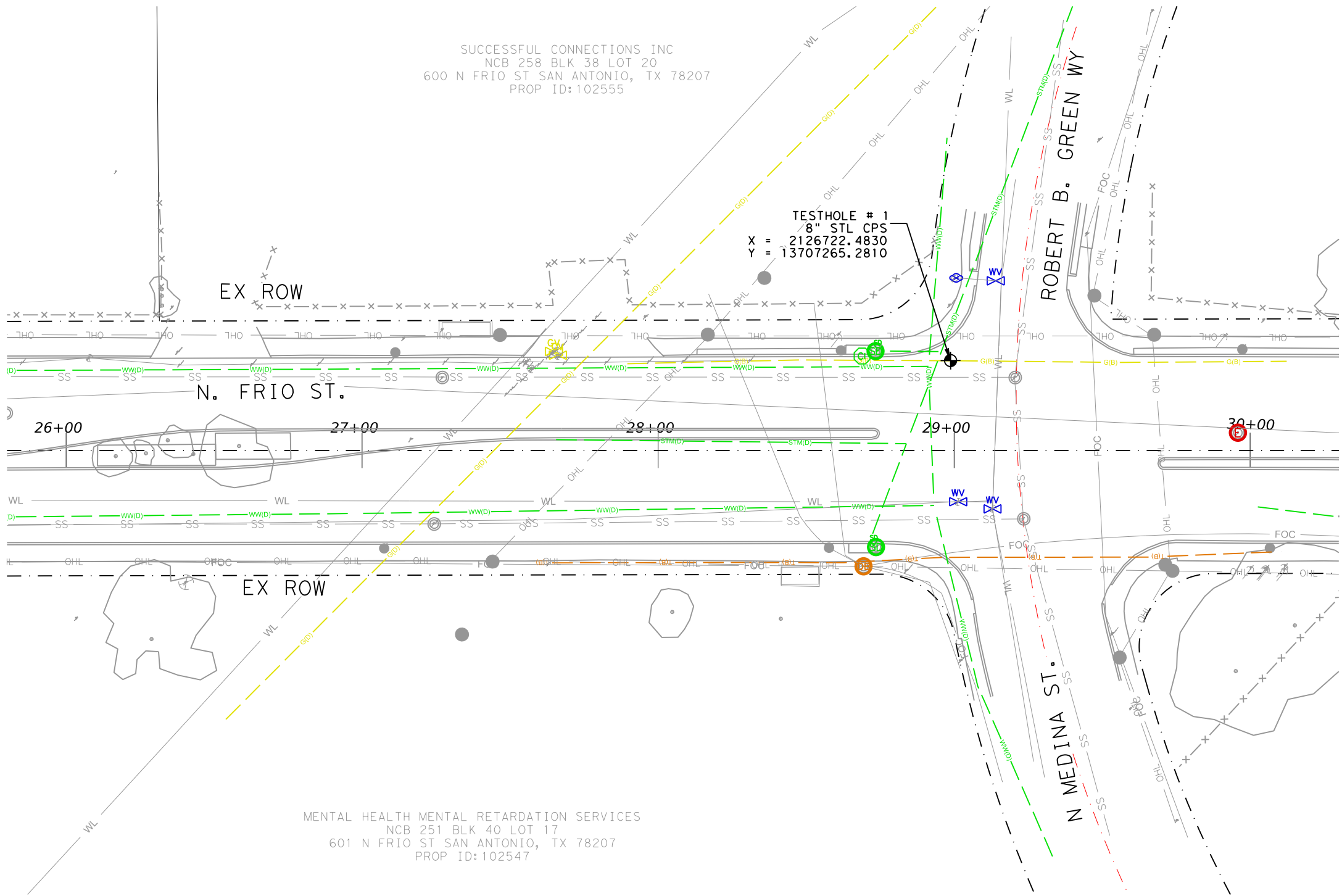
City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: N. Frio Bike and Ped Improvements  
Prime Consultant: Lamb-Star  
Subconsultant: Integrated CM Solutions  
Proposal Date: 1/29/2024  
Prepared By: Stan L. Jackson

	Contract Administration \$108.37		
TASK CODE AND DESCRIPTION	HOURS	TASK HOURS	TASK / PHASE FEE
95% Design	16	16	\$1,733.92
01. Project Management and General Items			
01.030. Design Review Meetings (95%) =Assumes Constructability Reviews	16	16	\$1,733.92
01.040. Design Progress Review Meetings (frequency as needed for project development)			
01.050. Prepare Meeting Minutes for all attended meetings			
01.060. Develop and Maintain Project Schedules (includes both Design and Construction)			
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, document management, PRIMELink)			
01.080. QA/QC (processes, communication, and deliverables)			
01.090. Operations and Maintenance Manual			
Bid Phase	72	72	\$7,802.64
12. Bid Phase			
12.010. Submit 100% Plans With All Joint-Bid Utilities			
12.020. Final Project Specifications Book		0	\$0.00
12.030. Submittal List		0	\$0.00
12.040. Finalize Constructability Issues	12	12	\$1,300.44
12.050. Review Utility Conflict Report and Address Pending Items		0	\$0.00
12.060. Participate in 100% Review Meeting	12	12	\$1,300.44
12.070. Assist the City in Preparing Advertising Documents		0	\$0.00
12.080. Distribute Plans and Specifications to Contractors and Plan Rooms		0	\$0.00
12.090. Participate in Pre-Bid Meeting	12	12	\$1,300.44
12.100. Respond to Contractor Questions	12	12	\$1,300.44
12.110. Prepare and Distribute Necessary Addenda		0	\$0.00
12.120. Evaluate Bids, Prepare Bid Tabulation, and Issue Letter of Recommendation	12	12	\$1,300.44
12.130. Participate in Pre-Con meeting	12	12	\$1,300.44
TOTAL BASE FEE WITH HOUR BREAKDOWN	168	168	\$9,536.56






- LEGEND:
- EXIST ROW
  - EXIST TRF FLOW
  - OHL OVERHEAD LINE
  - UGE UNDERGROUND ELECTRIC LINE CPS ENERGY
  - FOC AT&T FIBER OPTIC CABLE
  - FOC SPECTRUM FIBER OPTIC CABLE
  - FOC MCI-VERIZON FIBER OPTIC CABLE
  - WL SAWS WATER LINE
  - SS SANITARY SEWER
  - FO(B) FIBER LINE QLB
  - CDB(B) DUCT BANK COMMUNICATIONS QLB
  - TS(B) TRAFFIC LINE QLB
  - WW(D) SANITARY SEWER LINE QLD
  - STM(D) STORM LINE QLD
  - STM(B) STORM LINE QLB
  - G(B) GAS LINE QLB
  - G(D) GAS LINE QLD
  - FTS FIBER TEST STATION
  - F FIBER VAULT
  - TS TRAFFIC CABINET
  - F FIBER HAND HOLE
  - TRAFFIC LIGHT POLE
  - F FIBER MANHOLE
  - IB TRAFFIC PULL BOX
  - DB DUCT BANK MANHOLE
  - PS PEDESTRIAN SIGNAL
  - CI STORM CURB INLET
  - GI STORM GRATE
  - SI STORM INLET
  - SM STORM MANHOLE
  - GV GAS VALVE
  - JB JUNCTION BOX
  - GM GAS METER
  - EP ELECTRIC POWER POLE
  - EM ELECTRIC MANHOLE
  - EP ELECTRIC PEDESTAL
  - EM ELECTRIC METER
  - WV WATER VALVE
  - TEST HOLE

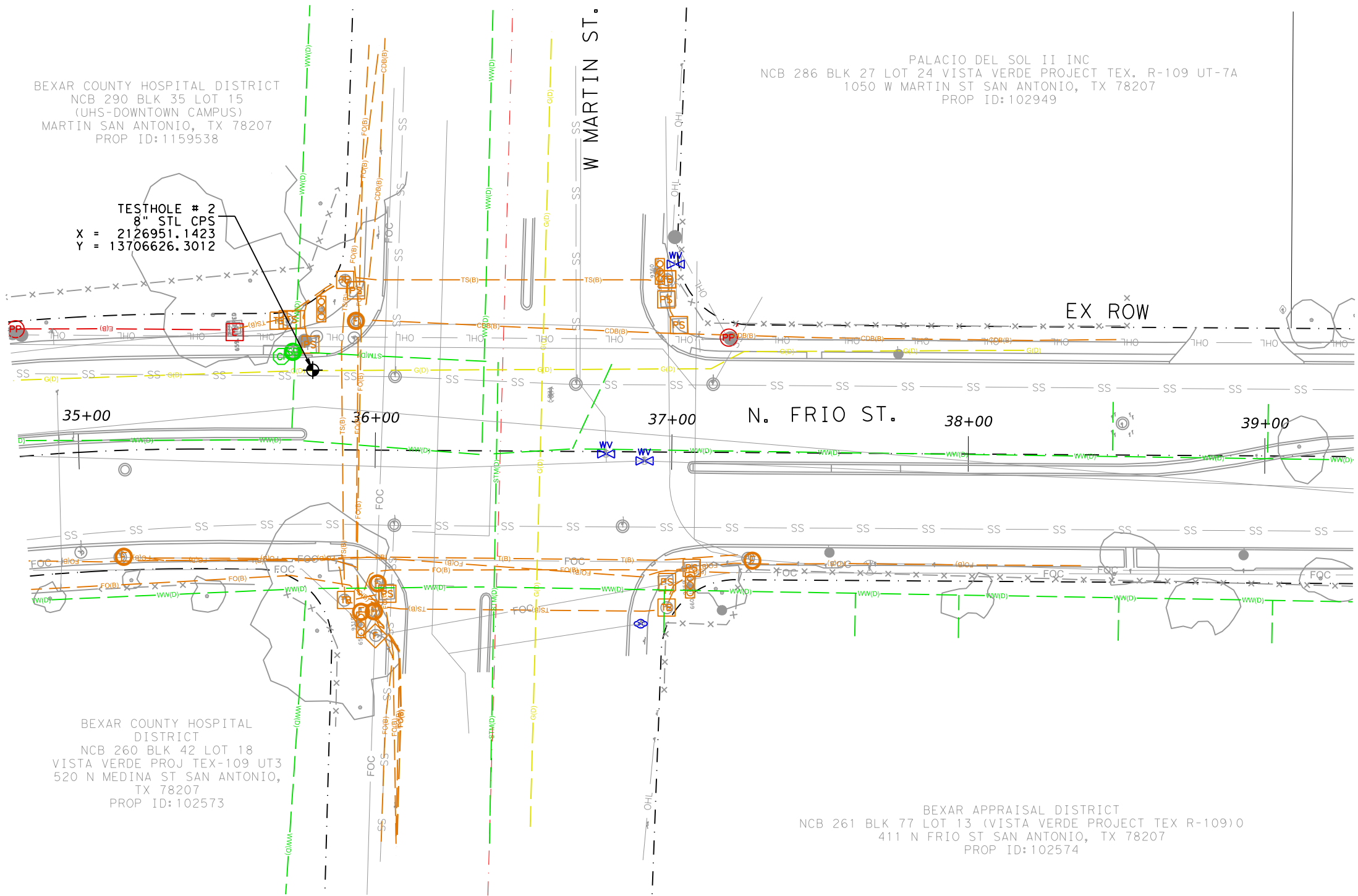


DOCUMENT IS FOR INTERIM REVIEW AND NOT  
INTENDED FOR CONSTRUCTION BIDDING, OR  
PERMIT PURPOSES.  
Jason J. Granado, PE  
124689  
TEXAS SERIAL NO.  
7/23/2024  
DATE

REV	DESCRIPTION	BY	DATE
 LAMB-STAR ENGINEERING, L.L.C. 18402 US HIGHWAY 281 N, SUITE 257 SAN ANTONIO, TEXAS 78259 (210) 469-0155 TEXAS REGISTERED ENGINEERING FIRM F-9073			
CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT			
FRIO STREET - IH-10 TO W. HOUSTON STREET			
TEST HOLE LAYOUT			
40% SUBMITTAL	PROJECT NO.: 23-04063	DATE: 7/23/2024	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET 1 OF 4 SHEET NO:

Test hole location subject to change pending quality B verification.






**LEGEND:**

- EXIST ROW
- ← EXIST TRF FLOW
- OHL — OVERHEAD LINE
- UGE — UNDERGROUND ELECTRIC LINE CPS ENERGY
- FOC — AT&T FIBER OPTIC CABLE
- FOC — SPECTRUM FIBER OPTIC CABLE
- FOC — MCI-VERIZON FIBER OPTIC CABLE
- WL — SAWS WATER LINE
- SS — SANITARY SEWER
- FO(B) — FIBER LINE QLB
- CDB(B) — DUCT BANK COMMUNICATIONS QLB
- TS(B) — TRAFFIC LINE QLB
- WW(D) — SANITARY SEWER LINE QLD
- STM(D) — STORM LINE QLD
- STM(B) — STORM LINE QLB
- G(B) — GAS LINE QLB
- G(D) — GAS LINE QLD
- FTS — FIBER TEST STATION
- F — FIBER VAULT
- TS — TRAFFIC CABINET
- F — FIBER HAND HOLE
- TL — TRAFFIC LIGHT POLE
- F — FIBER MANHOLE
- TB — TRAFFIC PULL BOX
- DB — DUCT BANK MANHOLE
- PS — PEDESTRIAN SIGNAL
- CI — STORM CURB INLET
- GI — STORM GRATE
- SI — STORM INLET
- SM — STORM MANHOLE
- GV — GAS VALVE
- JB — JUNCTION BOX
- GM — GAS METER
- EP — ELECTRIC POWER POLE
- EM — ELECTRIC MANHOLE
- EP — ELECTRIC PEDESTAL
- EM — ELECTRIC METER
- WV — WATER VALVE
- TH — TEST HOLE

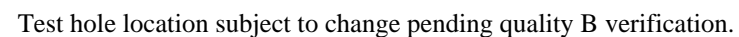
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Jason J. Granado, PE  
124689  
TEXAS SERIAL NO.  
7/23/2024  
DATE

REV		DESCRIPTION		BY	DATE
 LAMB-STAR ENGINEERING, L.L.C. 18402 US HIGHWAY 281 N, SUITE 257 SAN ANTONIO, TEXAS 78259 (210) 469-0155 TEXAS REGISTERED ENGINEERING FIRM F-9073					
CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT					
FRIO STREET - IH-10 TO W. HOUSTON STREET					
TEST HOLE LAYOUT					
40% SUBMITTAL		PROJECT NO.: 23-04063		DATE: 7/23/2024	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET 2 OF 4		SHEET NO:


Test hole location subject to change pending quality B verification.



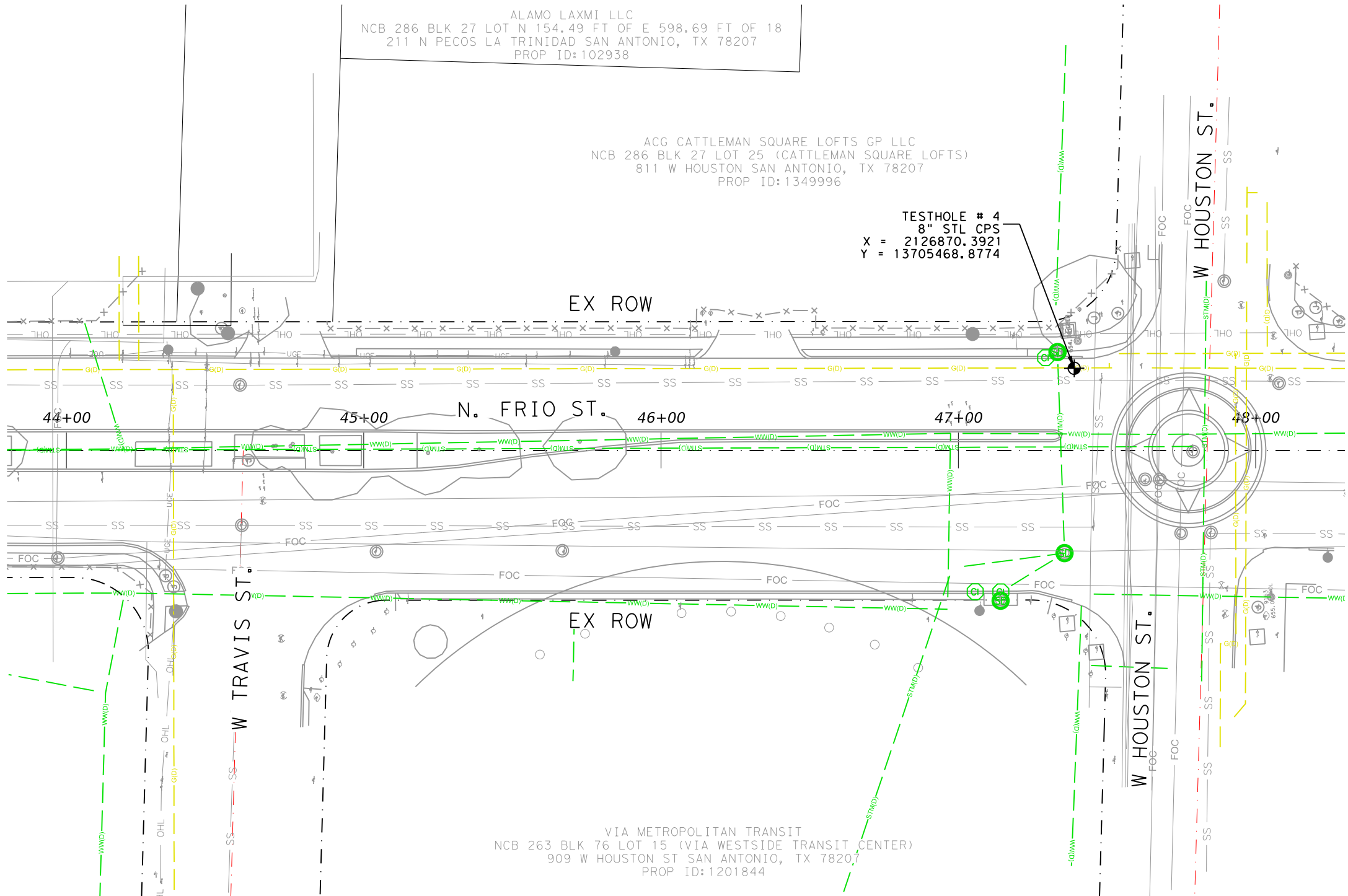


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Jason J. Granado, PE  
124689  
TEXAS SERIAL NO.  
7/23/2024  
DATE

REV	DESCRIPTION				BY DATE
 <div style="margin-left: 10px;"> <p>LAMB-STAR ENGINEERING, L.L.C.              18402 US HIGHWAY 281 N., SUITE 257              SAN ANTONIO, TEXAS 78259 (210) 469-0155              TEXAS REGISTERED ENGINEERING FIRM F-9073</p> </div>					
CITY OF SAN ANTONIO					
PUBLIC WORKS DEPARTMENT					
FRIO STREET - IH-10 TO W. HOUSTON STREET					
<b>TEST HOLE LAYOUT</b>					
<b>40% SUBMITTAL</b>		<b>PROJECT NO.: 23-04063</b>		<b>DATE: 7/23/2024</b>	
<b>DRWN. BY:</b>	<b>DSGN. BY:</b>	<b>CHKD. BY:</b>	<b>SHEET 3 OF 4</b>	<b>SHEET NO:</b>	





LEGEND:

- EXIST ROW
- EXIST TRF FLOW
- OHL OVERHEAD LINE
- UGE UNDERGROUND ELECTRIC LINE CPS ENERGY
- FOC AT&T FIBER OPTIC CABLE
- FOC SPECTRUM FIBER OPTIC CABLE
- FOC MCI-VERIZON FIBER OPTIC CABLE
- WL SAWS WATER LINE
- SS SANITARY SEWER
- FO(B) FIBER LINE QLB
- CDB(B) DUCT BANK COMMUNICATIONS QLB
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- WW(D) SANITARY SEWER LINE QLD
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- IB TRAFFIC PULL BOX
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- SI STORM INLET
- SM STORM MANHOLE
- GV GAS VALVE
- JB JUNCTION BOX
- GM GAS METER
- EP ELECTRIC POWER POLE
- EM ELECTRIC MANHOLE
- EPD ELECTRIC PEDESTAL
- EM ELECTRIC METER
- WV WATER VALVE
- TEST HOLE



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Jason J. Granado, PE  
124689  
TEXAS SERIAL NO.  
7/23/2024  
DATE

REV	DESCRIPTION	BY	DATE
<b>LAMB-STAR ENGINEERING, L.L.C.</b> 18402 US HIGHWAY 281 N, SUITE 257 SAN ANTONIO, TEXAS 78259 (210) 469-0155 TEXAS REGISTERED ENGINEERING FIRM F-9073			
<b>CITY OF SAN ANTONIO</b> PUBLIC WORKS DEPARTMENT			
FRIO STREET - IH-10 TO W. HOUSTON STREET			
<b>TEST HOLE LAYOUT</b>			
40% SUBMITTAL	PROJECT NO.: 23-04063	DATE: 7/23/2024	
DRWN. BY:	DSGN. BY:	CHKD. BY:	SHEET 4 OF 4 SHEET NO:

Test hole location subject to change pending quality B verification.





10/25/2024

Sirahuen Guajardo Jr, P.E.  
Pipelines - Governmental  
San Antonio Water System  
2800 U.S. Hwy 281 North  
San Antonio, Texas 78212

Re: Proposal for Engineering Services  
2022-2027 N. Frio Bicycle and Pedestrian Improvements  
SAWS Water Job No. 23-5046  
SAWS Sewer Job No. 23-5545  
SAWS CPMS Pro-12233

Dear Mr. Guajardo:

Lamb-Star is pleased to submit this lump sum proposal for engineering services to the San Antonio Water System for the above referenced project. We understand that this work will be joint bid and joint design with COSA. We propose to perform work as described in "Attachment 5 - SAWS Scope of Service" of the CoSA Professional Service Agreement.

The N. Frio Bicycle and Pedestrian Improvements scope of work will consist of the following:

- Improve bicycle and pedestrian mobility along N. Frio corridor from IH-10 to W. Houston St. by widening the roadway to incorporate a 5-ft bike lane in both directions of travel.
- Improvements also include construction of curbs, sidewalks, pedestrian ramps, concrete bus pads, bus foundations pads, driveway approaches, pedestrian poles, and reconstruction of drainage inlets, and mill and overlay within the project limits.
- Reconfigure roadway typical section to include 10-ft inside lanes, 11-ft outside lanes, 5-ft bike lanes, and maintaining existing left turn lanes.
- Utility adjustments and relocations.

Schedule:

- 70% to COSA – October 4, 2024
- 60% TxDOT DDRT – December 12, 2024
- 95% to COSA- TBD
- Ready to Let (RTL) – December 2025
- Letting Date – March 2026

The Basic Service Fee of \$63,225.00 is based upon Attachment "A", Engineering Service Fee Breakdown. It is understood that these design services are based on a percent of construction estimate and complies with the range limits as defined in Table 1. It is understood that should the City of San Antonio project limits change the SAWS facilities in the revised limits shall be evaluated to determine if the SAWS scope of work has been impacted.





We propose a lump sum fee to be paid as shown in the table below. Payment will be made as work is completed and approved by SAWS to include 40% & 70% combined plans, 95% plans, Bidding, Construction Services and Closeout Phase.

Distribution of PFS	Phase	\$ Water Fee	\$ Sewer Fee	Weeks
55%	Combined Design Phase 40% & 70%	\$19,470.00	\$15,290.00	7
18%	Design Phase 95%	\$8,110.00	\$3,795.00	6
6%	Bid Phase	\$1,905.00	\$1,730.00	3
16%	Construction Phase Funds will be requested w/ contract award	\$6,520.00	\$3,475.00	60
5%	Close Out Phase Funds will be requested w/ contract award	\$2,930.00	-	3
	<b>Base Fee Total</b>	\$38,935.00	\$24,290.00	79
	Overall Pothole Supplemental	\$13,308.50		
	<b>Grand TOTAL</b>	\$76,533.50		79

SAWS schedule of completion and production will be coordinated with COSA's proposed advertising schedule, as shown in Attachment "B".

The work for this project consists of the following:

#### Water Surface Feature Adjustments and Waterline Offsets

- Surface feature adjustments throughout project limits from W. Poplar St. to W. Houston St. of up to 8 fire hydrants, valves, services, and appurtenances based on roadway construction will be needed on North Frio Street from W. Houston to IH-10.
- Waterline offsets (approx. 200 LF) in conflict with inlet reconstruction along southbound N. Frio St. south of Rivas St.

#### Sewer Surface Feature Adjustments

- Manhole assessment of up to 26 manholes throughout project limits from W. Poplar St. to W. Houston St.
- Surface feature adjustments of up to 26 manholes, eccentric cone reconstruction, and manhole rehabilitation.

Should you have any questions please contact Jason Granado at 210.485.2467 or at [Jason.Granado@lamb-star.com](mailto:Jason.Granado@lamb-star.com).

Sincerely,  
Lamb-Star  
Jason Granado, P.E.  
Project Manager

Cc: Eric Salazar, Colleen Hord, Sira Guajardo, Nina Bittle & Attachments



## FEE ESTIMATE FOR SAWS WORK

ITEM NO.	2022-2027 N. Frio Bicycle and Pedestrian Improvements	No.	Project	Project	EIT	Engineering	SUE CADD	Field	Survey	2 Man	Clerical/	Task
	10/25/2024	Sheets	Manager	Engineer		Tech	Tech	Supervisor	Tech	SUE Crew	Admin	Budget
	Prepared By: Jason Granado, P.E.		\$240.00	\$175.00	\$100.00	\$150.00	\$ 150.00	\$ 135.00	\$ -	\$ 235.00	\$120.00	
	<b>TASK</b>		<b>HOURS</b>									<b>TOTAL</b>
	<b>40% &amp; 70% Combined Design Phase</b>	<b>0</b>	<b>17</b>	<b>116</b>	<b>81</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>\$ 34,760.00</b>
	<b>1. Water Design - 70% Design Phase</b>	<b>0</b>	<b>12</b>	<b>62</b>	<b>37</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>\$ 19,470.00</b>
1.1 w	Meetings - Not Covered by Section 5.0 of DGM		1	1								\$ 415.00
1.2 w	Update Plan (& Profile if required) sheets for 1" = 40' (H), 1" = 5' (V)		5	32	16	6						\$ 9,300.00
1.3 w	Update Quantity Table Per Sheet			8	8	6						\$ 3,100.00
1.4 w	Update 70% Plans Cost Estimate		1	4	2							\$ 1,140.00
1.5 w	Temporary Water Main Analysis											\$ -
1.6 w	Review Construction Phasing Plan		2	6								\$ 1,530.00
1.7 w	Walk Job Site With SAWS Engineer		2	8	8							\$ 2,680.00
1.8 w	Prepare SAWS QA/QC Form		1	2	2							\$ 790.00
1.9 w	Prepare submittal			1	1						2	\$ 515.00
1.10 w	Prepare re-submittal and address comments											\$ -
2.10 s	Prepare QMP & Review		2	8								\$ 1,880.00
	<b>2. Sewer Design - 70% Design Phase</b>	<b>0</b>	<b>5</b>	<b>54</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>\$ 15,290.00</b>
2.1 s	Meetings - Not Covered by Section 5.0 of DGM											\$ -
2.2 s	Update Plan & Profile sheets for 1" = 40' (H), 1" = 5' (V)		2	14	6							\$ 3,530.00
2.3 s	Update Quantity Table Per Sheet			2	2							\$ 550.00
2.4 s	Update 70% Plans Cost Estimate		1	4	2							\$ 1,140.00
2.5 s	Prepare By-Pass Layout Sheet											\$ -
2.6 s	Review Construction Phasing Plan											\$ -
2.7 s	Walk Job Site With SAWS Engineer/MH assessments (up to 26 MHs)		2	32	32							\$ 9,280.00
2.8 s	Prepare SAWS QA/QC Form			1	1							\$ 275.00
2.9 s	Prepare submittal			1	1						2	\$ 515.00
2.10 s	Prepare re-submittal and address comments											\$ -
2.10 s	Prepare QMP & Review		1	4								\$ 940.00
	<b>95% Design Phase</b>	<b>0</b>	<b>5</b>	<b>29</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 11,905.00</b>
	<b>1. Water Design - 95% Design Phase</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 8,110.00</b>
1.1 w	Meetings - Not Covered by Section 5.0 of DGM											\$ -
1.2 w	Finalize Plan Plan (& Profile if required) sheets for 1" = 40' (H), 1" = 5' (V)		1	20	6							\$ 4,340.00
1.3 w	Finalize Quantity Table Per Sheet			1	3							\$ 475.00
1.4 w	Finalize 95% Plans Cost Estimate		1	1								\$ 415.00
1.5 w	Change Of Service Form		1	2								\$ 590.00
1.6 w	Review TCP & Construction Phasing Plan											\$ -
1.7 w	Prepare SAWS QA/QC Form			1	1							\$ 275.00
1.8 w	Prepare submittal			1								\$ 175.00
1.9 w	Prepare re-submittal and address comments			2	2							\$ 550.00
1.10 w	QMP Process/Review		1	6								\$ 1,290.00
	<b>2. Sewer Design - 95% Design Phase</b>	<b>0</b>	<b>2</b>	<b>11</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 3,795.00</b>
2.1 s	Meetings - Not Covered by Section 5.0 of DGM											\$ -
2.2 s	Finalize Plan & Profile sheets for 1" = 40' (H), 1" = 5' (V)		1	4	4							\$ 1,340.00
2.3 s	Finalize Quantity Table Per Sheet			1	1							\$ 275.00
2.4 s	Finalize 95% Plans Cost Estimate		1	2								\$ 590.00
2.5 s	Finalize By-Pass Layout Sheet											\$ -
2.6 s	Review TCP & Construction Phasing Plan											\$ -
2.7 s	Prepare SAWS QA/QC Form			1	1							\$ 275.00
2.8 s	Prepare submittal			1								\$ 175.00
2.9 s	Prepare re-submittal and address comments			2	2							\$ 550.00
2.10 s	QMP Process/Review		1	2								\$ 590.00



## FEE ESTIMATE FOR SAWS WORK

ITEM NO.	2022-2027 N. Frio Bicycle and Pedestrian Improvements										
	10/25/2024 Prepared By: Jason Granado, P.E.										
	No. Sheets	Project Manager	Project Engineer	EIT	Engineering Tech	SUE CADD Tech	Field Supervisor	Survey Tech	2 Man SUE Crew	Clerical/Admin	Task Budget
		\$240.00	\$175.00	\$100.00	\$150.00	\$ 150.00	\$ 135.00	\$ -	\$ 235.00	\$120.00	
	<b>Bid Phase</b>	<b>0</b>	<b>4</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 3,635.00</b>
	<b>1. Water Design - Bid Phase</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 1,905.00</b>
1.1 w	Prepare 100% submittal			3	2						\$ 725.00
1.2 w	Prepare Sealed Plans & Specifications		1	1							\$ 415.00
1.3 w	Prepare Addendums		1								\$ 240.00
1.4 w	Review SAWS portion of bid tabulation			2							\$ 350.00
1.5 w	Prepare Sealed Plans & Specifications with Addendums			1							\$ 175.00
1.6 w	QMP Process/Review		1	6							\$ 1,290.00
	<b>2. Sewer Design - Bid Phase</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 1,730.00</b>
2.1 s	Prepare 100% submittal			2	2						\$ 550.00
2.2 s	Prepare Sealed Plans & Specifications		1	1							\$ 415.00
2.3 s	Prepare Addendums		1								\$ 240.00
2.4 s	Review SAWS portion of bid tabulation			2							\$ 350.00
2.5 s	Prepare Sealed Plans & Specifications with Addendums			1							\$ 175.00
2.6 s	QMP Process/Review		1	4							\$ 940.00
	<b>Construction Phase</b>	<b>0</b>	<b>13</b>	<b>37</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 9,995.00</b>
	<b>1. Water Design - Construction Phase</b>	<b>0</b>	<b>8</b>	<b>24</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 6,520.00</b>
1.1 w	Site Visits (Two per Month) & Prepare Report		4	16	4						\$ 4,160.00
1.2 w	Redline/Quantity Review - One per month		2	4							\$ 1,180.00
1.3 w	Review Material Submittals			2							\$ 350.00
1.4 w	Address RFI and Change Orders			2							\$ 350.00
1.5 w	Final Walk Through		2								\$ 480.00
	<b>2. Sewer Design - Construction Phase</b>	<b>0</b>	<b>5</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 3,475.00</b>
2.1 s	Site Visits (Two per Month) & Prepare Report		2	8							\$ 1,880.00
2.2 s	Redline/Quantity Review - One per month		1	2							\$ 590.00
2.3 s	Review Material Submittals			2							\$ 350.00
2.4 s	Address RFI and Change Orders			1							\$ 175.00
2.5 s	Final Walk Through		2								\$ 480.00
	<b>Close Out Phase</b>	<b>0</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 2,930.00</b>
	<b>1. Water Design - Close Out Phase</b>	<b>0</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 2,930.00</b>
1.1 w	Prepare Record Drawings		1	8							\$ 1,640.00
1.2 w	Finalize Change of Service Form		1	6							\$ 1,290.00
	<b>2. Sewer Design - Close Out Phase</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ -</b>
2.1 s	Prepare Record Drawings										\$ -
2.2 s	Finalize Change of Service Form										\$ -
	<b>Supplemental Services</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 13,308.50</b>
1	Update OPCC (minimum 1 Day Prior to Bid Opening)										\$ -
2	Survey Outside Project Limits										\$ -
3	Geotechnical Services Outside Project Limits										\$ -
4	Potholes Requested by SAWS										\$ -
5	Prepare SCS Permit for TCEQ										\$ -
6	Prepare metes and bounds for SAWS easements										\$ -
7	Design for temporary water main										\$ -
8	Traffic Control Plan outside COSA Project Limits										\$ -
9	Additional Permits										\$ -
10	Overall Pothole Supplemental										\$ 13,308.50
	<b>WATER SUB-TOTAL</b>		<b>27</b>	<b>125</b>	<b>55</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>\$ 38,935.00</b>
	<b>SEWER SUB-TOTAL</b>		<b>14</b>	<b>84</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>\$ 24,290.00</b>
	<b>SUPPLEMENTAL SERVICES SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ 13,308.50</b>
	<b>TOTAL FOR ENGINEERING FEE SAWS</b>		<b>41</b>	<b>209</b>	<b>109</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>\$ 76,533.50</b>



Preliminary OPCC					
PRIME: Lamb-Star Engineering, Inc.					
PROJECT NAME: N. Frio Bicycle and Pedestrian Improvements					
Item	Item Description	Qty	Unit	Unit Cost	Total
550	Trench Excavation Safety Protection	290	LF	\$ 2.00	\$ 580.00
814	8" DI Waterline	247	LF	\$ 150.00	\$ 37,050.00
824	Relocate 3/4" Short Service	1	EA	\$ 1,500.00	\$ 1,500.00
834	Fire Hydrant Assembly w/ Gate Valve	8	EA	\$ 8,500.00	\$ 68,000.00
833	Existing Meter and New Meter Box Relocation	1	EA	\$ 550.00	\$ 550.00
836	Grey Iron and Ductile-Iron Fittings	0.442	TN	\$ 7,500.00	\$ 3,315.00
840	8" Water tie-ins	2	EA	\$ 4,250.00	\$ 8,500.00
841	Water and Reclaimed Water Main Hydrostatic Pressure Test	1	EA	\$ 1,800.00	\$ 1,800.00
1020	Water Main Leak Repair, Clamp Installation Method, 8" up to and Including 12"	8	EA	\$ 3,200.00	\$ 25,600.00
3000	Handling Asbestos Cement Pipe (Removal,Transportation, and Disposal)	247	LF	\$ 150.00	\$ 37,050.00
				Water Subtotal	\$ 183,945.00
100	Mobilization and Demobilization (Max 10%)	1	LS	10.00%	\$ 18,394.50
101	Preparing Right-Of-Way (Max 5%)	1	LS	5.00%	\$ 9,197.25
				<b>Water Total</b>	<b>\$ 211,536.75</b>
Item	Item Description	Qty	Unit	Unit Cost	Total
851	Adjusting Existing Manholes	20	EA	\$ 3,000.00	\$ 60,000.00
855	Reconstruction of Existing Manholes (Any Type or Size)	6	EA	\$ 9,500.00	\$ 57,000.00
910	Manhole Rehabilitation	100	VF	\$ 510.00	\$ 51,000.00
				Sewer Subtotal	\$ 168,000.00
100	Mobilization and Demobilization (Max 10%)	1	LS	10.00%	\$ 16,800.00
101	Preparing Right-Of-Way (Max 5%)	1	LS	5.00%	\$ 8,400.00
				<b>Sewer Total</b>	<b>\$ 193,200.00</b>
				<b>Water &amp; Sewer Total</b>	<b>\$ 404,736.75</b>