

Date: April 5, 2017



To: Proposers

Ref: RFP PG-005-17 TSTC Water & Wastewater Line Replacement for Waco

Subject: **ADDENDUM NO. 03**

This addendum amends, clarifies, amplifies, or further explains the above reference Request for Proposal (RFP). The information contained herein shall supersede and take precedence over the information contained in the RFP.

Pre-Bid Sign-In Sheet

1. See attached copy of Sign-In Sheet from Pre-Bid Meeting, March 30, 2017 @ 10:00am.

Pre-Bid Agenda and Notes

1. See attached copy of Pre-Bid Meeting Agenda and Notes from March 30, 2017 @ 10:00 am.

Execution of Offer

1. REPLACE Execution of Offer, pages 23-36 of the RFP, with the Revised Execution of Offer attached.
 - a. CHANGE Base Bid items #3.03, #3.04, #3.06 and #3.07 as follows:
 - #3.03 -8" SDR-26 PVC ASTM-3034 (+5'-10" TRENCH) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH) to an estimated quantity of 1599.
 - #3.04 -8" SDR-26 PVC ASTM-3034 (+5'-10" TRENCH) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH) to an estimated quantity of 1095.
 - #3.06 -12" SDR-26 PVC ASTM-3034 (+5'-10" TRENCH) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH) to an estimated quantity of 2263.
 - #3.07 -12" SDR-26 PVC ASTM-3034 (+5'-10" TRENCH) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH) to an estimated quantity of 48.
 - b. Replace paragraph on page 35 referring to substantial completion of the project with the following:
 - If awarded the contract, the undersigned agrees to commence work under this contract (See Notice to Proceed) and to substantially complete the project Base Bid within 330 calendar days from said commencement date, unless modified by change order. Additive Alternate A shall include 0 additional calendar days. Additive Alternate B shall include 14 additional calendar days. Additive Alternate C shall include 35 additional calendar days. Additive Alternate D shall include 28 additional calendar days, and Additive Alternate E shall include 60 additional calendar days.

Clarifications

Q: What is the anticipated flow required by a wastewater bypass pumping system on this project?

A: The TSTC Campus Lift Station has a firm pumping capacity of 1,200 gpm.

The below was taken from March 20, 2014 Technical Memorandum entitled "Cities of Bellmead and Waco/WMARSS Joint Wastewater Feasibility Study".

City of Waco (WMARSS) and TSTC Campus Flow Data

The City of Waco, City of Bellmead or WMARSS has not conducted temporary flow monitoring within the study area. The most reliable data available is considered to be the WMARSS daily flow data that is metered for billing purposes for TSTC, Bellmead and Waco. Walker Partners reviewed 19 months (570 days) of flow data between 2012 and 2013. Review of the data showed that during wet weather days, the total daily flow volume was greater at the TSTC Campus Meter than the flow measured at the TSTC lift station (City of Waco).

A review of the average of the average daily flows from January 2012 through July 2013 revealed the following information in **Table 2**:

Table 2: Average of the Average WMARSS Daily Flow Data

Location	Flow
TSTC Campus Lift Station	Approximately 183 gpm
COW TSTC Lift Station	Approximately 210 gpm

Therefore, this data indicates that approximately 90% of the average daily flow observed at the COW TSTC Lift Station is generated upstream of the TSTC Campus Lift Station (flows generated within the TSTC Campus area itself).

Pedro Guardiola

Pedro Guardiola

Buyer

Phone: (956) 364-4428

Pedro.guardiola@harlingen.tstc.edu



In submission of this proposal, proposers must acknowledge receipt of this addendum; otherwise proposal will not be given consideration. Proposer must acknowledge receipt by returning a copy of this notice with (RFP) Request for Proposal.

Proposer's Signature: _____

Printed Name: _____

Vendor Name: _____

Vendor Identification Number: _____

Date: _____



Texas State Technical College

Pre-Bid Meeting
March 30, 2017 10:00 a.m.



RFP No.: RFP PG-005-17
Water and Wastewater Line Replacement for Waco
Project #: 3-00580

NAME	REPRESENTING	PHONE #	E-MAIL
1. Mike Uehring	Skyblue Utilities Inc.	325-388-2500	luperubiosbui@gmail.com
2. Larry Summers	H&B Contractors	254-715-5856	lsummers@hbcontractors.com
3. AL Meschke	MPC	936-825-5425	al.meschke@msn.com
4. Chad Wall	IPR	713 918-9612	cwall@teamipr.com
5. Shelly A. Eberhart	SKE	281-585-4100	Shelly@SKE1.net
6. Roger Sanders	Hoover Const.	512-756-6041	SANDERSheci@gmail.com
7. Clark Gauer	Walker Partners	254-714-1402	cgauger@walkerpartners.com
8. Rosie Smiley	TSTC	254-867-3701	rosie.smiley@tstc.edu
9. Selby Holder	TSTC	254-867-3704	selby.holder@tstc.edu
10. CHARLOTTE ABLES	TSTC-PROCUREMENT	254/867-3751	CHARLOTTE.ABLES@TSTC.EDU
11. Mike Hyde	H.O Supply/Water	254-772-7910	Mike.Hyde@AdSupply.com
12. Keith Caldwell	Walker Partners	254-714-1402	kcaldwell@walkerpartners.com
13. Jacob Hinson	"	"	jhinson@walkerpartners.com

TSTC Water & Wastewater Improvements Project
Pre-Bid Meeting
March 30, 2017 – 10:00 a.m.

Meeting Agenda

1. Introductions

2. Administrative Overview

- Engineer's Opinion of Probable Construction Cost:
 - Base Bid: \$5,700,000.00
 - Add. Alternates: \$1,700,000.00
- Schedule
 - Last day to Submit Written Questions 2:00 p.m. Monday, April 3, 2017
 - Final Addendum Published Wednesday, April 5, 2017
 - Addendum No. 1 issued on March 22, 2017
 - Changed Pre-Bid Meeting Date to Thursday, March 30, 2017.
 - Addendum No. 2 issued on March 29, 2017
 - Revised Execution of Offer
 - All questions shall be submitted in writing to Pedro Guardiola at pedro.guardiola@tstc.edu.
 - Addendum issued on the Texas State Comptroller Electronic State Business Daily (ESBD) and the TSTC Website (page 5 of RFP).
 - Bids Due/Opened 2:00 p.m. Wednesday, April 12, 2017
 - Pedro Guardiola
 - Service Support Building
 - 1902 N. Loop 499
 - Harlingen, TX 78550
 - Elise Wells
 - Patterson Hall Building
 - 103 10th Street
 - Waco, TX 76705
- Proposed Award Schedule
 - TSTC Evaluation and Award (Tentative): April 12 to April 26, 2017

Bids will only be received in Waco (not in Harlingen)

- Sealed Bids include:
 - Attachments A, B, D, and G along with tables provided.
 - Bid Bond

3. Technical Overview

- Open Cut Improvements:
 - Water ó approximately 100 LF of 16ö C-905 PVC pipe and approximately 7,720 LF of 12ö, 2,890 LF of 8ö and 150 LF of 6ö C-900 PVC pipe or DR 11 HDPE for all sizes (per Additive Alternate A).

Base Bid approximately 11,000 LF

- Wastewater ó approximately 900 LF of 21ö and 230 LF of 18ö F679 PVC pipe and approximately 3,430 LF of 12ö, 1,780 LF of 8ö and 140 LF of 6ö SDR-26 pipe.

Base Bid approximately 6,500 LF

- Trenchless Improvements:
 - Water ó a approximately 5,720 LF of 12ö, 8,680 LF of 8ö and 50 LF of 6ö HDPE DR 11 pipe.

Base Bid approximately 14,500 LF

- Wastewater ó approximately 1,070 LF of 18ö, 1,830 LF of 16ö, 1,090 LF of 12ö and 5,590 LF of 8ö HDPE DR 17 pipe.

Base Bid approximately 9,500 LF

- Utility Coordination
 - During design, drawing submitted and reviewed by TSTC and Oncor
 - TSTC: Water, Wastewater, Drainage, Gas, Telephone, Fiber Optic
 - SUE contracted to perform Level A (79 potholes) and Level B utility locates. The Level A and B effort was performed in the open cut portions of the project.
 - Effort started with circa 1964 James Connally Air Force Base water and wastewater maps

- Milestone, Contract Time and Liquidated Damages

- Final Completion of Base Bid: 330 calendar days ó (Calendar Day Job)
 - Additive Alternate A: 0 additional calendar days
 - Additive Alternate B: 14 additional calendar days
 - Additive Alternate C: 35 additional calendar days
 - Additive Alternate D: 28 additional calendar days
 - Additive Alternate E: 60 additional calendar days

The Contract Time will be formally included as part of Addendum No. 3

- Liquidated Damages, Final Completion: \$500.00/day
- Contract Conditions
 - Walker Partners will perform one-time construction staking at no expense to Contractor. Any restaking shall be at the expense of the Contractor
 - Wastewater: Line and Grade; Water: Line or Line and Grade (dependent on pipe size)
 - Walker Partners will serve as the TSTC's Resident Project Representative.
 - CCTV Report
 - ~5,425 LF of existing wastewater pipe to be pipe burst. This equates to approximately 57% of the total wastewater pipe bursting length (9,580 LF)
- Project Scope of Work
 - Drawings
 - C002 & C003 - Project Notes
 - Public Water System Notes #14: Temporary Construction Water Meter. Construction Water. Contractor to provide and determine if one or multiple meters are desired and will work with TSTC to install.
 - General Notes #11: Street Repair Timing. 30 Days after work. Contractor to note he will be responsible for multiple mobilizations to perform final surface replacement.
 - Traffic Control Notes: No separate bid items for plan and implementation; work is subsidiary to Bid Item 1.01 Mobilization, Traffic Handling, and Incidentals.
 - Concrete for Utility Projects: 1.1 Submittals. Approved local TxDOT mix design within last 18 months.
 - Hot Mix Asphaltic Concrete Paving: 1.1 Submittals Approved local TxDOT mix design within last 18 months.
 - C011 Overall Construction Sequencing. Shall be used as an overall guide for Contractor in establishing his Construction Progress Schedule. Specification 01 32 16
 - C130 Coordinate with City of Waco for tie-in to ex. 16" waterline. City of Waco staff will inspect / approve this work item.
 - C300 & C412 Trenchless Water & Trenchless Wastewater Plans
 - General Note #1 Materials of existing waterlines and wastewater lines
 - General Note #2 Replacement and repair of existing conditions; Bid Item #1.14 Remove and Replace All Disturbed Areas to Include: Sidewalk, Pavers, Sodding,

Landscaping, Irrigation, Electrical, and Any Other Items Spoiled During Trenchless Construction. To basically include all items within the detail bubbles. If Contractors means and methods require larger area, a larger area will require replacement. If Contractor mean and methods require smaller area, a smaller area will require replacement.

- C300 ó C412 ó General Notes ó Replacement and repair of existing conditions
- C1004 ó Trench Section Detail ó Embedment Material ó Type A4 Gravel for Trench Backfill in street areas (Section 32 05 16)
 - Surface Replacement Bid Item includes water & wastewater services length by the linear foot.
 - Surface Replacement width will be considered the minimum trench width to obtain a neat, clean uniform line. Conveyed that zigzagging every 50ø is not acceptable to TSTC/WP. Understand that if change in width every 250ø or so would be considered acceptable. Will accommodate possible change in width for manholes. This is indicated on P&P sheets
- Project Manual
 - Contingency Allowance (01 20 00) To be used at the Owners discretion.
 - Construction Progress Schedule (01 32 16) (on College Campus ó greater than average schedule). An update will be required with each months application for payment.
 - Submittal Procedures (01 33 00) Part 3 ó Execution Pages 6-13 provides list of anticipated submittals. Not considered to be a 100% all-inclusive list, but a clear guide as to what minimum requirements will be.
 - Quality Requirements (01 40 00)
 - Part 1.6 ó Testing and Inspection Services. TSTC to retain the Materials Testing Laboratory. The WP RPR will work with the Contractors Project Superintendent on scheduling the testing on account of the Owner.
 - Part 3.1 ó Construction Material Lab Testing Matrix Provides lists of anticipated Owner Employed and Contractor Services. Not considered to be a 100% all-inclusive list, but a clear guide as to what minimum requirements will be.
 - Temporary Facilities and Controls (01 50 00)
 - Site / Location ó next to the facilities building. Site at the corner of Greenway and Carswell (north of Physical Plant building) already has a transformer and water is located nearby.
 - Stormwater Pollution Prevention (31 25 12)
 - Contractor shall fulfill role of Primary Operator of Storm Water Pollution Prevention Plan (SWPPP). Contractor to submit to TSTC/WP for retention purposes. As long as he is fulfilling his minimum requirements, all will be OK.

Only if he does not fulfill his minimum requirements, will an item arise with TSTC/WP.

- Seeding (32 92 19)
 - Part 1.2 – Unit Price – Measurement and Payment: by the Linear Foot (LF). Bidder to review specification regarding maintenance/establishment requirements.
- Pipe Bursting of Gravity Sewer Mains (33 01 37)
 - Part 3.3 – Initial Video Inspection and Repair (~5,425 LF CCTV'ed; anticipate ~4,145 LF to be CCTV'ed). At minimum, will require the 4,145 to be CCTV'd in order to identify all service lines. Left to Contractors discretion whether he is comfortable to use the 2016 footage to locate services or if he chooses to CCTV again.
 - Part 3.4 – Bypassing Sewage
 - Part 3.7 – Field Quality Control – Post-construction CCTV inspection. No post construction CCTV required.
- Pipe Bursting of Potable Water Mains (33 01 38)
 - Pre-Chlorination or Temporary Service Methods
 - Part 3.3 – Cleaning and TV Inspection of Existing Host Pipe (None) No pre or post construction CCTV required.
- Public Water Utility Distribution Piping (33 11 13)
 - Part 2.1.A.3 – Ductile Iron Mechanical Joint (MJ) Restraints: Tee-head bolts and nuts coated with FlouroKote #1
- Public Sanitary Utility Sewage Piping (33 31 13)
 - Part 1.5 – Performance Requirements – Temporary Bypass Pipeline System. If location would require crossing a very low volume road, Contractor may propose and TSTC/WP review to allow closing of road during utility work for a short period. Not allowed on the “major collector” roads
- Other General Information
 - No access to any building without prior approval

4. Questions and Answers

- Meter boxes for service valves – Meter boxes shall be concrete with a cast iron reader lid and meet the requirements of Section 32 12 33 Part 2.4
- Fire Sprinkled Temp Service – If means and methods allow for service to be reestablished within 3-4 days, temporary fire service may not be required; Contractor to verify with Owner and RPR at time of disconnection.

- Required Temp Service ó Student Services Building must have water service at all times; Contractor to coordinate with Owner and RPR
- Meters ó TSTC water system. Almost no buildings have meters. The meter boxes will house the valve to the building.
- Existing Service Material ó It is expected that most services will be copper.
- Spoils ó TSTC to allow spoils to be wasted at / near the old Treatment Plant site. Contractor to haul to site and TSTC staff can knock down as necessary.
- Designated Construction Route ó No
- 16ö Gate Valve Gearing ó Reference Section 33 12 16: Part 2.2.B

Execution of Offer: RFP No. RFP PG-005-17
TSTC WATER & WASTEWATER LINE REPLACEMENT

The Respondent must complete, sign and return this Execution of Offer as part of their submittal response. The Respondent's company official(s) who are authorized to commit to such a submittal must sign submittals. Failure to sign and return this form will subject the submittal to disqualification.

The undersigned, having carefully examined the specifications, drawings, and related documents entitled:

TSTC Water & Wastewater Line Replacement

all as prepared by Walker Partners, LLC. 600 W. Austin Ave. Waco, Texas 76701 as well as all other conditions affecting the cost and/or execution of the work, proposes to furnish all materials, labor, and equipment necessary to complete the work in accordance with said documents, of which this proposal is a part, for the following sum:

ITEM NO.	DESCRIPTION	EST QTY	UNIT	UNIT BID PRICE	TOTAL AMOUNT
<u>BASE BID</u>					
1.00	GENERAL CONDITIONS				
1.01	MOBILIZATION, TRAFFIC HANDLING, AND INCIDENTALS	1	LS		
1.02	CONTIGENCY ALLOWANCE	1	LS	<u>\$100,000.00</u>	<u>\$100,000.00</u>
1.03	PREPARE RIGHT-OF-WAY	1	LS		
1.04	STORMWATER POLLUTION PREVENTION PLAN	1	LS		
1.05	STORMWATER POLLUTION PREVENTION IMPLEMENTATION	1	LS		
1.06	TRENCH SAFETY PLAN	1	LS		
1.07	TRENCH SAFETY SYSTEM IMPLEMENTATION	19460	LF		
1.08	CLASS A SURFACE REPLACEMENT	3675	LF		
1.09	CLASS B SURFACE REPLACEMENT	9706	LF		
1.10	CLASS C SURFACE REPLACEMENT	243	LF		
1.11	REMOVE & REPLACE EXISTING CURB & GUTTER	211	LF		
1.12	SAW CUT CONCRETE CHANNEL & REPLACE	67	LF		
1.13	REMOVE & REPLACE EXISTING SIDEWALK (OPEN CUT)	175	LF		

1.14	REMOVE AND REPLACE ALL DISTURBED AREAS TO INCLUDE: SIDEWALK, PAVERS, SODDING, LANDSCAPING, IRRIGATION, ELECTRICAL, AND ANY OTHER ITEMS SPOILED DURING TRENCHLESS CONSTRUCTION	1	LS		
1.15	REMOVE & REPLACE CHAINLINK FENCE	60	LF		
1.16	BROADCAST SEEDING	7655	LF		
1.17	SOIL RETENTION BLANKET	958	SF		
1.18	STONE RIPRAP (DRY; 15") INCLUDING WOVEN FILTER FABRIC, COMPLETE IN PLACE	61	CY		
GENERAL CONDITIONS SUBTOTAL					
2.00	OPEN CUT WATER				
2.01	16" C-905 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	53	LF		
2.02	16" C-905 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	52	LF		
2.03	12" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	2390	LF		
2.04	12" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	5328	LF		
2.05	8" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	741	LF		
2.06	8" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	2147	LF		
2.07	6" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	197	LF		
2.08	6" C-900 PVC (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	54	LF		
2.09	EXTRA LENGTH 2" HDPE SERVICE LINE OVER 5FT LENGTH (ALL DEPTHS) (STREET TRENCH)	982	LF		
2.10	EXTRA LENGTH 2" HDPE SERVICE LINE OVER 5FT LENGTH (ALL DEPTHS) (OFF STREET TRENCH)	2022	LF		
2.11	8" METER AND VAULT INCLUDING VALVES, CONCRETE VAULT AND HATCH, PIPING, FITTINGS, COMPLETE AND IN PLACE	1	EA		
2.12	8" REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) INCLUDING VALVES, CONCRETE PAD, PIPING, FITTINGS, ALUMINUM ENCLOSURE, COMPLETE AND IN PLACE	1	EA		
2.13	16" X 16" TEE DI, MJ	1	EA		
2.14	12" X 12" TEE DI, MJ	4	EA		
2.15	12" X 8" TEE DI, MJ	3	EA		
2.16	12" X 6" TEE DI, MJ	3	EA		

2.17	8" X 8" TEE DI, MJ	2	EA	_____	_____
2.18	8" X 6" TEE DI, MJ	2	EA	_____	_____
2.19	12" X 12" CROSS DI, MJ	2	EA	_____	_____
2.20	16" GATE VALVE	1	EA	_____	_____
2.21	12" GATE VALVE	19	EA	_____	_____
2.22	8" GATE VALVE	17	EA	_____	_____
2.23	6" GATE VALVE	4	EA	_____	_____
2.24	16" DI, MJ 90° BEND	2	EA	_____	_____
2.25	12" DI, MJ 11 1/4° BEND	1	EA	_____	_____
2.26	12" DI, MJ 22 1/2° BEND	2	EA	_____	_____
2.27	12" DI, MJ 45° BEND	41	EA	_____	_____
2.28	12" DI, MJ 90° BEND	2	EA	_____	_____
2.29	8" DI, MJ 11.25° BEND	2	EA	_____	_____
2.30	8" DI, MJ 22.5° BEND	1	EA	_____	_____
2.31	8" DI, MJ 45° BEND	8	EA	_____	_____
2.32	8" DI, MJ 90° BEND	1	EA	_____	_____
2.33	16" X 12" REDUCER	1	EA	_____	_____
2.34	12" X 10" REDUCER	1	EA	_____	_____
2.35	12" X 8" REDUCER	6	EA	_____	_____
2.36	PLUG EXISTING 12" WATERLINE	2	EA	_____	_____
2.37	PLUG EXISTING 10" WATERLINE	4	EA	_____	_____
2.38	PLUG EXISTING 8" WATERLINE	23	EA	_____	_____
2.39	PLUG EXISTING 6" WATERLINE	13	EA	_____	_____

2.40	PLUG EXISTING 4" WATERLINE	19	EA	<hr/>	<hr/>
2.41	PLUG EXISTING 2.5" WATERLINE	2	EA	<hr/>	<hr/>
2.42	PLUG EXISTING 2" WATERLINE	7	EA	<hr/>	<hr/>
2.43	PLUG EXISTING 1.5" WATERLINE	2	EA	<hr/>	<hr/>
2.44	PLUG EXISTING 4" WASTEWATER LINE	2	EA	<hr/>	<hr/>
2.45	PLUG EXISTING 8" WASTEWATER LINE	8	EA	<hr/>	<hr/>
2.46	PLUG EXISTING 10" WASTEWATER LINE	2	EA	<hr/>	<hr/>
2.47	FIRE HYDRANT ASSEMBLY	19	EA	<hr/>	<hr/>
2.48	FIRE HYDRANT ASSEMBLY REMOVAL	46	EA	<hr/>	<hr/>
2.49	2" WATER SERVICE TO PRIVATE FACILITY	26	EA	<hr/>	<hr/>
2.50	4" WATER SERVICE TO PRIVATE FACILITY	1	EA	<hr/>	<hr/>
2.51	12" CAP	1	EA	<hr/>	<hr/>
2.52	8" CAP	4	EA	<hr/>	<hr/>
2.53	6" CAP	2	EA	<hr/>	<hr/>
2.54	16" FIELD CONNECTION	1	EA	<hr/>	<hr/>
2.55	12" FIELD CONNECTION	2	EA	<hr/>	<hr/>
2.56	10" FIELD CONNECTION	1	EA	<hr/>	<hr/>
2.57	TEMP. 10" FIELD CONNECTION	8	EA	<hr/>	<hr/>
2.58	8" FIELD CONNECTION	5	EA	<hr/>	<hr/>
2.59	TEMP. 8" FIELD CONNECTION	2	EA	<hr/>	<hr/>
2.60	6" FIELD CONNECTION	5	EA	<hr/>	<hr/>
2.61	TEMP. 6" FIELD CONNECTION	3	EA	<hr/>	<hr/>
2.62	2" FIELD CONNECTION	4	EA	<hr/>	<hr/>

2.63 CONCRETE ENCASEMENT

77

LF

OPEN CUT WATER SUBTOTAL

3.00 OPEN CUT WASTEWATER

3.01 6" SDR-26 PVC ASTM-3034 (0'-5' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (STREET TRENCH)

91

LF

3.02 6" SDR-26 PVC ASTM-3034 (0'-5' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)

52

LF

3.03 8" SDR-26 PVC ASTM-3034 (+5'-10' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (STREET TRENCH)

1599

LF

3.04 8" SDR-26 PVC ASTM-3034 (+5'-10' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)

1095

LF

3.05 8" SDR-26 PVC ASTM-3034 (+10'-15' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)

154

LF

3.06 12" SDR-26 PVC ASTM-3034 (+5'-10' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (STREET TRENCH)

2263

LF

3.07 12" SDR-26 PVC ASTM-3034 (+5'-10' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)

48

LF

3.08 12" SDR-26 PVC ASTM-3034 (+10'-15' TRENCH) INCLUDING
EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)

47

LF

3.09 18" F679 PS 46 (+5'-10' TRENCH) INCLUDING EXCAVATION & ALL
BACKFILL (STREET TRENCH)

30

LF

3.10 18" F679 PS 46 (+5'-10' TRENCH) INCLUDING EXCAVATION & ALL
BACKFILL (OFF STREET TRENCH)

200

LF

3.11 21" F679 PS 46 (+5'-10' TRENCH) INCLUDING EXCAVATION & ALL
BACKFILL (STREET TRENCH)

193

LF

3.12 21" F679 PS 46 (+5'-10' TRENCH) INCLUDING EXCAVATION & ALL
BACKFILL (OFF STREET TRENCH)

711

LF

3.13 4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER

21

EA

3.14 6' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER

5

EA

3.15 4' DIAMETER MANHOLE (0'-5' DEEP) WITH WATERTIGHT COVER

1

EA

3.16 6' DIAMETER MANHOLE (0'-5' DEEP) WITH WATERTIGHT COVER

1

EA

3.17 6' DIAMETER MANHOLE (0'-5' DEEP) WITH "DOGHOUSE OPENING
AND WATERTIGHT COVER

1

EA

3.18 EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP

64

VF

3.19 EXTRA DEPTH FOR 6' DIAMETER MANHOLE OVER 5' DEEP

14

VF

3.20 CONNECT EX. 6" SEWER TO PROP. MANHOLE

2

EA

3.21	CONNECT EX. 8" SEWER TO PROP. MANHOLE	10	EA	_____	_____
3.22	CONNECT EX. 10" SEWER TO PROP. MANHOLE	2	EA	_____	_____
3.23	CONNECT EX. 15" SEWER TO PROP. MANHOLE	1	EA	_____	_____
3.24	CONNECT EX. 18" SEWER TO PROP. MANHOLE	4	EA	_____	_____
3.25	8" EXTERNAL DROP FIXTURE	2	EA	_____	_____
3.26	REMOVE EXISTING SANITARY SEWER MANHOLE	4	EA	_____	_____
3.27	ABANDON EXISTING SANITARY SEWER MANHOLE	29	EA	_____	_____
3.28	6" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO COMMERCIAL SERVICE	6	EA	_____	_____
3.29	CONCRETE ENCASEMENT	94	LF	_____	_____
3.30	10' X 10' CONCRETE MANHOLE SLAB	2	EA	_____	_____
3.31	PLUG 6" SANITARY SEWER LINE	4	EA	_____	_____
3.32	PLUG 8" SANITARY SEWER LINE	20	EA	_____	_____
3.33	PLUG 10" SANITARY SEWER LINE	2	EA	_____	_____
3.34	PLUG 18" SANITARY SEWER LINE	4	EA	_____	_____

OPEN CUT WASTEWATER SUBTOTAL

4.00 TRENCHLESS WATER

4.01	8" DR 11 HDPE (BY OPEN CUT)	53	LF	_____	_____
4.02	6" DR 11 HDPE BY PIPE BURSTING EXISTING 6" CI/DI (ALL DEPTHS)	49	LF	_____	_____
4.03	8" DR 11 HDPE BY PIPE BURSTING EXISTING 6" CI/DI (ALL DEPTHS)	2325	LF	_____	_____
4.04	8" DR 11 HDPE BY PIPE BURSTING EXISTING 10" CI/DI (ALL DEPTHS)	6306	LF	_____	_____
4.05	12" DR 11 HDPE BY PIPE BURSTING EXISTING 8" CI/DI (ALL DEPTHS)	1468	LF	_____	_____
4.06	12" DR 11 HDPE BY PIPE BURSTING EXISTING 10" CI/DI (ALL DEPTHS)	4257	LF	_____	_____
4.07	8" END OF LINE BLOW OFF ASSEMBLY	1	EA	_____	_____

4.08	12" X 10" TEE DI, MJ	1	EA	<hr/>	<hr/>
4.09	12" X 8" TEE DI, MJ	2	EA	<hr/>	<hr/>
4.10	12" X 6" TEE DI, MJ	3	EA	<hr/>	<hr/>
4.11	12" X 4" TEE, DI, MJ	2	EA	<hr/>	<hr/>
4.12	8" X 8" TEE DI, MJ	9	EA	<hr/>	<hr/>
4.13	8" X 6" TEE DI, MJ	7	EA	<hr/>	<hr/>
4.14	12" X 12" CROSS DI, MJ	1	EA	<hr/>	<hr/>
4.15	12" GATE VALVE	5	EA	<hr/>	<hr/>
4.16	8" GATE VALVE	18	EA	<hr/>	<hr/>
4.17	6" GATE VALVE	9	EA	<hr/>	<hr/>
4.18	8" DI, MJ 11 1/4° BEND	1	EA	<hr/>	<hr/>
4.19	8" DI, MJ 90° BEND	7	EA	<hr/>	<hr/>
4.20	8" X 6" REDUCER DI, MJ	2	EA	<hr/>	<hr/>
4.21	10" X 8" REDUCER DI, MJ	4	EA	<hr/>	<hr/>
4.22	12" X 8" REDUCER DI, MJ	2	EA	<hr/>	<hr/>
4.23	PLUG EXISTING 12" WATERLINE	3	EA	<hr/>	<hr/>
4.24	PLUG EXISTING 10" WATERLINE	6	EA	<hr/>	<hr/>
4.25	PLUG EXISTING 8" WATERLINE	11	EA	<hr/>	<hr/>
4.26	PLUG EXISTING 6" WATERLINE	6	EA	<hr/>	<hr/>
4.27	PLUG EXISTING 3" WATERLINE	1	EA	<hr/>	<hr/>
4.28	PLUG EXISTING 1.5" WATERLINE	1	EA	<hr/>	<hr/>
4.29	PLUG EXISTING 8" WASTEWATER LINE	0	EA	<hr/>	<hr/>
4.30	6" CAP DI, MJ	2	EA	<hr/>	<hr/>

4.31	10" CAP DI, MJ	1	EA	_____	_____
4.32	FIRE HYDRANT ASSEMBLY	29	EA	_____	_____
4.33	REMOVE EXISTING FIRE HYDRANT ASSEMBLY	30	EA	_____	_____
4.34	2" WATER SERVICE (CONNECT TO 1", 1.5", OR 2" BUILDING SERVICE)	24	EA	_____	_____
4.35	3" WATER SERVICE (CONNECT TO 2.5", OR 3" BUILDING SERVICE)	6	EA	_____	_____
4.36	EXTRA LENGTH 2" HDPE SERVICE LINE OVER 5FT LENGTH (ALL DEPTHS) (STREET TRENCH)	421	LF	_____	_____
4.37	EXTRA LENGTH 2" HDPE SERVICE LINE OVER 5FT LENGTH (ALL DEPTHS) (OFF STREET TRENCH)	2007	LF	_____	_____
4.38	12" FIELD CONNECTION	2	EA	_____	_____
4.39	6" FIELD CONNECTION	1	EA	_____	_____
4.40	2.5" FIELD CONNECTION	1	EA	_____	_____

TRENCHLES WATER SUBTOTAL

5.00 TRENCHLESS WASTEWATER

5.01	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	126	LF	_____	_____
5.02	8" DR 17 HDPE BY PIPE BURSTING EXISTING 8" VCP/STEEL	4540	LF	_____	_____
5.03	8" DR 17 HDPE BY PIPE BURSTING EXISTING 10" VCP/STEEL	744	LF	_____	_____
5.04	8" DR 17 HDPE BY PIPE BURSTING EXISTING 12" VCP/STEEL	178	LF	_____	_____
5.05	12" DR 17 HDPE BY PIPE BURSTING EXISTING 8" VCP/STEEL	373	LF	_____	_____
5.06	12" DR 17 HDPE BY PIPE BURSTING EXISTING 10" VCP/STEEL	713	LF	_____	_____
5.07	16" DR 17 HDPE BY PIPE BURSTING EXISTING 10" VCP/STEEL	213	LF	_____	_____
5.08	16" DR 17 HDPE BY PIPE BURSTING EXISTING 12" VCP/STEEL	1515	LF	_____	_____
5.09	16" DR 17 HDPE BY PIPE BURSTING EXISTING 15" VCP/STEEL	97	LF	_____	_____
5.10	18" DR 17 HDPE BY PIPE BURSTING EXISTING 15" VCP/STEEL	354	LF	_____	_____
5.11	18" DR 17 HDPE BY PIPE BURSTING EXISTING 18" VCP/STEEL	716	LF	_____	_____

5.12	4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	33	EA	_____	_____
5.13	6' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	4	EA	_____	_____
5.14	4' DIAMETER MANHOLE (0'-5' DEEP) WITH WATERTIGHT COVER	1	EA	_____	_____
5.15	EXTRA DEPTH FOR 6' DIAMETER MANHOLE OVER 5' DEEP	11	VF	_____	_____
5.16	EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP	75	VF	_____	_____
5.17	CONNECT EX. 4" SEWER TO PROP. MANHOLE	4	EA	_____	_____
5.18	CONNECT EX. 6" SEWER TO PROP. MANHOLE	13	EA	_____	_____
5.19	CONNECT EX. 8" SEWER TO PROP. MANHOLE	14	EA	_____	_____
5.20	CONNECT EX. 10" SEWER TO PROP. MANHOLE	2	EA	_____	_____
5.21	CONNECT EX. 12" SEWER TO PROP. MANHOLE	1	EA	_____	_____
5.22	CONNECT EX. 15" SEWER TO PROP. MANHOLE	1	EA	_____	_____
5.23	4" EXTERNAL DROP FIXTURE	1	EA	_____	_____
5.24	6" EXTERNAL DROP FIXTURE	3	EA	_____	_____
5.25	8" EXTERNAL DROP FIXTURE	2	EA	_____	_____
5.26	REMOVE EXISTING SANITARY SEWER MANHOLE	48	EA	_____	_____
5.27	ABANDON EXISTING SANITARY SEWER MANHOLE	6	EA	_____	_____
5.28	4" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO SERVICE	5	EA	_____	_____
5.29	6" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO SERVICE	6	EA	_____	_____
5.30	PLUG 2" SANITARY SEWER LINE	1	EA	_____	_____
5.31	PLUG 4" SANITARY SEWER LINE	2	EA	_____	_____
5.32	PLUG 6" SANITARY SEWER LINE	4	EA	_____	_____
5.33	PLUG 8" SANITARY SEWER LINE	13	EA	_____	_____
5.34	PLUG 10" SANITARY SEWER LINE	3	EA	_____	_____

5.35	PLUG 15" SANITARY SEWER LINE	1	EA	_____	_____
5.36	PLUG 18" SANITARY SEWER LINE	1	EA	_____	_____

TRENCHLESS WASTEWATER SUBTOTAL

BASE BID TOTAL

A2.00 ADDITIVE ALTERNATE A – REPLACE BID ITEMS WITH ALTERNATE ITEMS BELOW

A2.01	16" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	53	LF	_____	_____
A2.02	16" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	52	LF	_____	_____
A2.03	12" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	2390	LF	_____	_____
A2.04	12" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	5328	LF	_____	_____
A2.05	8" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	741	LF	_____	_____
A2.06	8" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	2147	LF	_____	_____
A2.07	6" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (OFF STREET TRENCH)	197	LF	_____	_____
A2.08	6" DR 11 HDPE PIPE (ALL DEPTHS) INCLUDING EXCAVATION & ALL BACKFILL (STREET TRENCH)	54	LF	_____	_____

ADDITIVE ALTERNATE A TOTAL

6.00 ADDITIVE ALTERNATE B

6.01	SODDING	83	SY	_____	_____
6.02	4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	1	EA	_____	_____
6.03	4' DIAMETER MANHOLE (0'-5' DEEP) WITH WATERTIGHT COVER	3	EA	_____	_____
6.04	12" DR 17 HDPE BY PIPE BURSTING EXISTING 10" VCP/STEEL	1347	LF	_____	_____
6.05	EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP	24	VF	_____	_____
6.06	CONNECT EX. 8" SEWER TO PROP. MANHOLE	2	EA	_____	_____

6.07	REMOVE EXISTING SANITARY SEWER MANHOLE	4	EA	_____	_____
6.08	10'x10' CONCRETE MANHOLE SLAB	3	EA	_____	_____

ADDITIVE ALTERNATE B TOTAL

7.00 ADDITIVE ALTERNATE C

7.01	SODDING	1400	SY	_____	_____
7.02	CLASS B SURFACE REPLACEMENT	250	LF	_____	_____
7.03	REMOVE & REPLACE EXISTING CURB & GUTTER	66	LF	_____	_____
7.04	REMOVE & REPLACE EXISTING SIDEWALK (OPEN CUT)	310	LF	_____	_____
7.05	4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	24	EA	_____	_____
7.06	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	1099	LF	_____	_____
7.07	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	4751	LF	_____	_____
7.08	EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP	55	VF	_____	_____
7.09	CONNECT EX. 4" SEWER TO PROP. MANHOLE	1	EA	_____	_____
7.10	CONNECT EX. 6" SEWER TO PROP. MANHOLE	22	EA	_____	_____
7.11	6" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO SERVICE	70	EA	_____	_____
7.12	REMOVE EXISTING SANITARY SEWER MANHOLE	24	EA	_____	_____

ADDITIVE ALTERNATE C TOTAL

8.00 ADDITIVE ALTERNATE D

8.01	SODDING	1417	SY	_____	_____
8.02	CLASS B SURFACE REPLACEMENT	160	LF	_____	_____
8.03	REMOVE & REPLACE EXISTING CURB & GUTTER	45	LF	_____	_____

8.04	REMOVE & REPLACE EXISTING SIDEWALK (OPEN CUT)	150	LF	_____	_____
8.05	4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	25	EA	_____	_____
8.06	4' DIAMETER MANHOLE (0'-5' DEEP) WITH WATERTIGHT COVER	3	EA	_____	_____
8.07	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	295	LF	_____	_____
8.08	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	6303	LF	_____	_____
8.09	EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP	65	VF	_____	_____
8.10	CONNECT EX. 6" SEWER TO PROP. MANHOLE	11	EA	_____	_____
8.11	6" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO SERVICE	56	EA	_____	_____
8.12	REMOVE EXISTING SANITARY SEWER MANHOLE	28	EA	_____	_____
8.13	PLUG 8" SANITARY SEWER LINE	1	EA	_____	_____

ADDITIVE ALTERNATE D TOTAL

9.00 ADDITIVE ALTERNATE E

9.01	SODDING	1967	SY		
9.02	CLASS B SURFACE REPLACEMENT	100	LF	_____	_____
9.03	REMOVE & REPLACE EXISTING CURB & GUTTER	15	LF	_____	_____
9.04	REMOVE & REPLACE EXISTING SIDEWALK (OPEN CUT)	620	LF	_____	_____
9.05	REMOVE & REPLACE EXISTING SIDEWALK / PAVERS (TRENCHLESS)	500	SF	_____	_____
9.06	4' DIAMETER MANHOLE (0'- 5' DEEP) WITH STANDARD COVER	21	EA	_____	_____
9.07	8" DR 17 HDPE BY PIPE BURSTING EXISTING 6" VCP/STEEL	6197	LF	_____	_____
9.08	EXTRA DEPTH FOR 4' DIAMETER MANHOLE OVER 5' DEEP	96	VF	_____	_____
9.09	CONNECT EX. 4" SEWER TO PROP. MANHOLE	15	EA	_____	_____
9.10	CONNECT EX. 8" SEWER TO PROP. MANHOLE	9	EA	_____	_____

9.11	4" SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO SERVICE	120	EA	_____	_____
9.12	REMOVE EXISTING SANITARY SEWER MANHOLE	21	EA	_____	_____

ADDITIVE ALTERNATE E TOTAL

TOTAL BASE BID : _____ Dollars (\$ _____)

TOTAL ADD ALT A: _____ Dollars (\$ _____)

TOTAL ADD ALT B: _____ Dollars (\$ _____)

TOTAL ADD ALT C: _____ Dollars (\$ _____)

TOTAL ADD ALT D: _____ Dollars (\$ _____)

TOTAL ADD ALT E: _____ Dollars (\$ _____)

(**Note:** All amounts shall be shown in both written and figure form. In case of discrepancy between the written amount and the figure, the written amount will govern. For alternates, check whether it is an add, deduct or no change.)

We have included, in the Proposal sum, a contingency allowance as described in Section 01 20 00 6 PRICE AND PAYMENT PROCEDURES.

If the contract is bid with alternates, TSTC reserves the right to select any combination of alternates and will then compare all bids using the selected alternates. If the amount of the bids exceeds the funds available to finance the contract, TSTC may (i) reject all bids or (ii) may award the contract based on the base bid with such deductions as produces a net total which is available within the available funds.

The undersigned acknowledges receipt of _____ addenda to the Drawings and Project Manual as follows:

No. _____ Date _____ No. _____ Date _____ No. _____ Date _____

No. _____ Date _____ No. _____ Date _____ No. _____ Date _____

(The Proposer is to fill in I.D. Number and date of each thereby acknowledging receipt of Addenda).

If awarded the contract, the undersigned agrees to commence work under this contract (See Notice to Proceed) and to substantially complete the project Base Bid within 330 calendar days from said commencement date, unless modified by change order. Additive Alternate A shall include 0 additional calendar days. Additive Alternate B shall include 14 additional calendar days. Additive Alternate C shall include 35 additional calendar days. Additive Alternate D shall include 28 additional calendar days, and Additive Alternate E shall include 60 additional calendar days.

Proposer agrees to pay the Owner \$500.00 per day, as liquidated damages, for each day the substantial completion of this project extends beyond the stipulated substantial completion date.

If notified of the acceptance of this proposal within thirty (30) days of the time set for the opening of proposals, proposer agrees within ten (10) days of notification, to execute a contract in the form of the

Standard Form of Agreement Between Owner and Contractor where the Basis of Payment Is a Stipulated Sum, as amended for the above work, for the above stated compensation.

Respectfully Submitted,

Respondent's Name: _____

Respondent's State of Texas Tax Account No.: _____
(This 11 digit number is mandatory)

If a Corporation:

Respondent's State of Incorporation: _____

Respondent's Charter No: _____

Identify each person who owns at least 25% of the Respondent's business entity by name:

(Name)

(Name)

(Name)

(Name)

Submitted and Certified By:

(Respondent's Name)

(Title)

(Street Address)

(Telephone Number)

(City, State, Zip Code)

(Fax Number)

(Authorized Signature)

(Date)