



## AGENDA ITEM SUMMARY FORM

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**MEETING DATE:** February 10, 2026

**PREPARED BY:** Hector Renteria

**AGENDA CONTENT:** Discussion and possible action on HDR's proposal for Engineering Service for the Design, Bid, and Construction Management on the Lorraine Street Sanitary Sewer Improvements.

**AGENDA ITEM SECTION:** Regular Agenda

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**BUDGETED AMOUNT:** **FUNDS REQUESTED: \$178,510.00**

**FUND:**

### EXECUTIVE SUMMARY:

The City has been experiencing repeated maintenance issues with the existing 27-inch sanitary sewer line on Lorraine Street, beginning at the intersection of North Chenango Street and running west to the west side of State Highway 288B. This segment is approximately 450 feet and includes a crossing of State Highway 288B. The City has performed a closed-circuit TV (CCTV) inspection of this segment and found it to be a coated concrete pipe. The coating has begun to fail causing blockages in the pipe. This proposal is to install a new 30-inch sanitary sewer line and abandon the existing line in place.

### RECOMMENDATION:

Approve and execute HDR's contract for engineering services for the Lorraine Street Sanitary Sewer Improvements for the not to exceed amount of \$178,510.00.



January 28, 2026

Mr. Guadalupe Valdez  
Acting City Manager  
City of Angleton  
121 S. Velasco  
Angleton, Texas 77515

Re: Proposal for Professional Engineering Services  
Design, Bid, and Construction Phase Services for  
Lorraine Street Sanitary Sewer Improvements Project  
City of Angleton

Dear Mr. Valdez:

HDR Engineering, Inc. (HDR) is pleased to submit this proposal for design, bid, and construction phase services for the above-referenced project. This proposal is based on our understanding of the project from previous discussions with City Staff. For your convenience, this proposal consists of a Project Understanding, Scope of Services, Fee Summary, Schedule, Terms and Conditions and Invoices sections.

#### **PROJECT UNDERSTANDING:**

The City has been experiencing repeated maintenance issues with the existing 27-inch sanitary sewer line on Lorraine Street, beginning at the intersection of North Chenango Street and running west to the west side of State Highway 288B. This segment is approximately 450 feet and includes a crossing of State Highway 288B. The City has performed a closed-circuit TV (CCTV) inspection of this segment and found it to be a coated concrete pipe. The coating has begun to fail causing blockages in the pipe. Approximately 200 feet of this line was unable to be televised due to its current condition.

HDR and City staff have evaluated different repair options and rehabilitation methods. It was decided to move forward with upsizing the line segment to a more common size of pipe (30-inch) and relocate it to the south side of the existing ROW and abandon the existing 27-inch pipe in place by grout filling.

The opinion of probable construction cost for the above-described improvements is approximately \$990,000.00.

#### **SCOPE OF SERVICES**

The following Scope of Services outlines the design, bid, and construction phase services that HDR will perform for this project.

## **I. DESIGN PHASE SERVICES**

### **A. Basic Design Phase Services**

- Hold “kick-off” meeting with City staff to finalize the requirements for the project.
- Gather and review available historical information (record drawings, reports/studies, GIS data).
- Coordinate with City staff during the design phase.
- Research and gather information on private utilities (i.e. gas, electrical, telephone, pipelines, etc.) along the project alignment.
- Prepare background drawings in AutoCAD from information obtained during survey.
- Perform a site visit to verify survey and identify any other information that would impact design and construction.
- Examine geotechnical information to determine potential soil conditions, ground water conditions, and potential impact on construction methodology and construction costs.
- Perform design on the new 30-inch sanitary sewer, including new services, pavement repair, and a steel casing bore under State Highway 288B.
- Prepare specifications and contract documents.
- Prepare the engineer’s opinion of probable construction costs. Any opinions of probable construction cost provided are made on the basis of information available to HDR and on the basis of HDR’s experience and qualifications, and represents its judgment as an experienced and qualified professional engineer. However, since HDR has no control over the cost of labor, materials, equipment or services furnished by others, or over the construction contractor(s’) methods of determining prices, or over competitive bidding or market conditions, HDR does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable construction cost HDR prepares.
- Submit one (1) set of 75% design plans and specifications for review by the City.
- Conduct a meeting with City staff to discuss the contents of the 75% design plans and specifications and review comments provided by City staff.
- Incorporate the City’s 75% review comments.
- Prepare contract documents including plans, specifications, and bidding documents associated with the design of the project in accordance with the design standards of the City.

- Prepare a final opinion of probable construction cost for the proposed improvements.
- Submit plans to private utility companies for approval and signatures.

## **B. Special Design Services**

### **1. Survey Services**

- HDR will utilize a subconsultant to perform the survey for 850 linear feet (including 100 feet past all intersections) of Lorriane Street.
- Texas 811 One Call will be performed to identify private utility companies in the field and their locations will be collected with the survey data.
- Survey will provide a full topographic survey with 100-foot cross sections and all features along the right-of-way and 15 feet outside of it.
- All sizes, materials, and flow line elevations of all parallel and crossing water lines and storm/sanitary sewers. All water valves shall be identified including a measure down to the top of the nut.
- The survey will include approximate right of way (from pins located at property corners), easement locations, control points, and locations of geotechnical bore holes.

### **2. Geotechnical Investigation Services**

- HDR will utilize a subconsultant to perform the geotechnical investigation services for the project.
- Boring locations shall be spaced at 500-foot intervals for a total of two (2) bores and fifty (50) vertical feet.
- The information provided in the geotechnical report will include boring logs and test data, ground water conditions, pavement design recommendations, structural fill requirements, bedding and backfill recommendations, and general earthwork recommendations.

### **3. Tree Protection Plans**

- HDR will utilize a subcontractor to provide tree protection plans. The plans will include tree species, size and current condition. The plans will also include tree protection measures to protect existing trees in the project area.

### **4. Traffic Control Plan**

- Prepare traffic control plans for the project. This plan will include phasing, detours, and required signs and lane closures to complete the proposed improvements.

## **5. Storm Water Pollution Prevention Plan**

- Prepare drawings for the required Storm Water Pollution Prevention Plan (SWPPP), in accordance with the Texas National Pollutant Discharge Elimination System (TPDES) General Permit for Storm Water Discharge from construction sites.

## **6. TxDOT Coordination**

- A portion of this project will include extending the proposed sanitary sewer under State Highway 288B. This will involve submitting both traffic control and design plans for permitting the proposed improvements. A budgetary fee amount will be created for this task as the required permitting effort is not known.

## **II. BID PHASE SERVICES**

HDR will enter into this phase after the acceptance of the Design Phase documents by the City and upon receiving approval from TxDOT. Bid Phase Services shall include the following:

- Assist the City in obtaining bids for the project. The City will advertise the project and will absorb all related advertising costs. HDR will coordinate with the City and will assist in developing the wording of the advertisement.
- HDR will post the project plans and specifications on Civcast to generate interest for the project during the bidding process. The cost for HDR to register the project on CivCast is included in this fee proposal.
- Conduct a pre-bid conference for potential bidders describing specific project requirements and answer questions from Contractors regarding the project. Prepare pre-bid meeting minutes and distribute to all attendees.
- During the bidding process, provide information to and answer questions from potential bidders concerning the Project's Contract Documents and prepare addenda as necessary.
- Attend the public bid opening at a location agreed to by the City.
- Evaluate the bids and the qualifications of the apparent low bidder, prepare the bid tabulation, and advise the City as to the acceptability of the apparent low bidder.
- Prepare a letter of recommendation of award to the City and attend a City Council Meeting to award the construction project.

## **III. CONSTRUCTION PHASE SERVICES**

HDR will enter into this phase after the City accepts the bids and awards the contract to a contractor. Construction Phase Services shall include the following:

- Act as the City's Project Representative during the construction phase.
- Conduct a pre-construction conference for the Project, including preparing the agenda and issuing the meeting minutes.
- Review and respond to Contractor Submittals and Requests For Information (RFIs) as required by the Contract Specifications.
- Prepare change orders necessitated by field conditions for review and approval by the City prior to issuing to the Contractor.
- Review the Contractor's pay estimates, evaluate the completion of work and make payment recommendations to the City.
- Visit the site at various stages of construction to observe the progress and quality of the executed work and to determine, in general, if such work is proceeding in accordance with the Contract Documents. Full or Part time site representation is not included as part of the Construction Phase tasks.
- HDR will not be responsible for the means, methods, techniques, sequences or procedures of construction selected by the Contractor(s). HDR's effort will be directed toward providing a greater degree of confidence for the City that the completed work of Contractor(s) will conform to the Contract Documents, but HDR will not be responsible for the failure of Contractor(s) to perform the work in accordance with the Contract Documents. During site visits, HDR will keep the City informed of the progress of the work, will endeavor to guard the City against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents.
- Conduct a final completion inspection, prepare a punch list, and submit project close-out documents to the City, including a recommendation for Final Payment on the Project.
- Prepare Record Drawings utilizing the as-built drawings provided by the Contractor. One (1) electronic copy of the Record Drawings, scanned in PDF format, will be provided to the City.

#### **ADDITIONAL SERVICES**

- "Additional Services" shall only be performed when directed by the City to HDR. These services are not considered normal or customary engineering services.
- Services resulting from significant changes in the Project or its design, including but not limited to, changes in size, complexity, the City's schedule, or character of construction or method of financing; and revising previously accepted studies, reports, design documents, or Contract Documents when such revisions are due to causes beyond HDR's control.
- Preparing documents for alternate bids outside of the original scope requested by the City or documents for out-of-sequence work.

- Preparing to serve or serving as a consultant or witness for the City in any litigation, public hearing or other legal or administrative proceeding involving the Project.
- Additional or extended services during construction made necessary by (1) work damaged by fire or other cause during construction, (2) a significant amount of defective or neglected work of Contractor(s), (3) prolongation of the construction contract time, (4) acceleration of the progress schedule involving services beyond normal working hours and (5) default of Contractor.
- HDR will endeavor to appraise the City of any potential additional or extended services that may result from the above-listed items, prior to HDR's expenditure of time on such services. As previously noted, any such extended or additional services shall only be performed when directed by the City to HDR.

## **FEE SUMMARY**

### **Design Phase Services**

<u>Basic Design Services (Lump Sum):</u>	\$ 90,000
<b>Total Design Fee:</b>	<b>\$ 90,000</b>

### **Special Design Phase Services**

Survey Services (Cost Plus 10%):	\$ 4,450
Geotechnical Services (Cost Plus 10%):	\$ 13,545
Tree Protection Plan (Cost Plus 10%):	\$ 2,515
Traffic Control Plan (Lump Sum):	\$ 6,000
Storm Water Pollution Prevention Plan (Lump Sum):	\$ 2,900
TxDOT Coordination* (Hourly):	\$ 9,600
<b>Total Design Fee:</b>	<b>\$ 39,010</b>

<b>Bid Phase Services (Lump Sum):</b>	<b>\$ 9,500</b>
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<b>Construction Phase Services (Lump Sum):</b>	<b>\$ 40,000</b>
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<b>TOTAL FEE:</b>	<b>\$ 178,510</b>
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*\*At this time the magnitude of these tasks are not known. Therefore, budgetary amounts are provided. These figures may increase or decrease depending upon actual work required. If an increase becomes necessary, it can be accomplished by utilizing available funds from other line items that have been under-run, from special services line items, or by contract amendment.*

## **SCHEDULE**

It is estimated that the schedule to complete the design phase is approximately five (5) months from the date of authorization to proceed. The bid phase will be one (1) month, execution of the contract documents will be one (1) month, and construction will take approximately five (5) months.

## **TERMS AND CONDITIONS**

This project will be performed under the current on-going services contract with the City of Angleton executed on November 28, 2012, and its terms and conditions will apply.

## INVOICES

HDR will submit monthly invoices for all engineering work completed to invoice date. The invoices for lump sum work will be based on a percentage of completion of each phase applied to the lump sum fee. Subconsultant cost will be invoiced at cost plus 10%. Time and materials charges and additional services beyond those described in the Scope of Services will be invoiced on the basis of direct labor costs times a factor of 3.18. Mileage will be charged at the prevailing IRS rate.

HDR appreciates the opportunity to submit this proposal and we look forward to continuing our work with the City of Angleton.

Sincerely,

HDR ENGINEERING, INC.



Scott A. Marr  
Vice President

Approved:

Authorized signature on behalf of the City of Angleton: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_