



AGENDA ITEM SUMMARY FORM

MEETING DATE: November 14, 2023
PREPARED BY: Chris Whittaker
AGENDA CONTENT: 2023 Street Condition Assessment Update

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: **FUNDS REQUESTED:**
\$37,225.00

FUND:

EXECUTIVE SUMMARY:

The City of Angleton has requested an update to the Street Condition Assessment Document which was performed in 2017. This will be a visual inspection of the city streets. This document will be created listing of the street conditions and provide estimates cost to rehabilitate them. This planning document will be used to assist the City in identifying future paving projects throughout the City and provide a high levels of project budgetary costs.

RECOMMENDATION: Council to approve HDR for an amount of \$37,225.00 to perform the 2023 Street Condition Assessment Update.

October 31, 2023

Mr. Chris Whittaker
City Manager
City of Angleton
121 South Velasco Street
Angleton, Texas 77515

Re: Proposal for Professional Engineering Services for
2023 Street Condition Assessment Update
City of Angleton

Dear Mr. Whittaker:

In response to your request, HDR Engineering, Inc. (HDR) is pleased to submit this proposal for preparing the 2023 Street Condition Assessment Update. It is anticipated that this proposed planning document will be used to guide the City of Angleton's future Street Capital Improvement Planning.

SCOPE OF SERVICES

The City of Angleton has requested a 2023 Update to the Street Condition Assessment Document which was last updated in 2017. To complete this update, HDR proposes to re-evaluate all streets included in the street inventory table included in Appendix A of the 2017 planning document. Per the City's request, the 2023 update will not include an evaluation of streets constructed in the last six years. Data for streets constructed in the last six years will be extracted from record drawings and incorporated into the street inventory only.

HDR will update the existing street inventory data (pavement type, street widths, and relative level of traffic) and then perform an evaluation of the current general condition of the pavement based solely on visual inspection of the type and approximate amount of pavement distress observed. The pavement condition rating system used in the 2017 planning document will be used to apply a rating to each street.

Once each street has been evaluated and assigned a condition rating, HDR will develop budgetary Engineer's Opinions of Probable Construction Costs (OPCCs) for the proposed rehabilitation or reconstruction associated with the assigned condition rating. It should be noted that the actual street rehabilitation or reconstruction method and associated OPCC may change after detailed engineering and surveying is completed. For purposes of this planning document, HDR will consider proven industry standard rehabilitation and reconstruction techniques for each street.

HDR proposes that data obtained during the evaluation be collected using ESRI Survey 123 or Collector app using the City's GIS street shapefiles. Data will be collected in real-time and progress tracked during the evaluation process. The completed GIS data set will be used to generate summary tables and exhibits to be included in the updated planning document. The summary tables will catalog the evaluated pavement condition rating and OPCC for proposed rehabilitation and reconstruction for each street as well as present the streets in order of the condition rating assigned. The GIS data set will also be used to develop a "Pavement Condition Survey Map" which will graphically illustrate the deterioration levels assigned to each street. The streets will be presented in the table(s) in order of the observed pavement deterioration level. The proposed Street Condition Assessment Planning Document will provide information pertaining to the current condition of the pavement within the City's network and information pertinent to the development of a City-wide program of new construction, rehabilitation or maintenance that will optimize the use of available resources. The anticipated tasks are as follows:

1. Obtain City GIS street data for basis of the field evaluation.
2. Prepare GIS field collector or Survey123 app for field evaluation and data management.
3. Utilize the existing 9 level pavement condition rating system used in the 2017 assessment for continuity between street condition assessment planning documents.
4. Field work will compose of driving approximately 90% of City streets and walking approximately 10% of the City streets.
5. Data collected will be the type of paving, width, and level of traffic as observed during the evaluation.
6. Assign a pavement condition rating to each street based on a visual inspection of the deterioration levels of each street relative to City streets within the City of Angleton.
7. Input the collected data into spreadsheets and categorize them on the level of deterioration.
8. Compose Street Condition Assessment Planning Document.
9. Coordinate with the City on the expected method of paving rehabilitation and expected cost associated with the selected method.
10. Prepare Engineer's Opinion of Probable Construction Costs (OPCC) for the rehabilitation or reconstruction of the pavement.
11. Prepare summary tables, exhibits, and graphs to summarize data and provide visual representation of the current pavement condition rating City-wide and change from the 2017 assessment.
12. One meeting with the City's staff and incorporate their comments into the report.
13. Prepare evaluation data in a format compatible to be entered into the City's GIS database.
14. Present two hard copies and one electronic copy to the City.
15. The anticipated mileage of roads being assessed and that are maintained by the city is approximately 98 miles. If it is found that the assessment exceeds this total, the rate for each additional 10 miles assessed will be \$800.00 per 10-miles or pro-rated based

on this amount for milage under the increment of 10-miles. The additional miles will only be assessed after approval from the City of Angleton.

Items not included in the report are the conditions for existing sidewalk, parking lots, or drainage. This report is assessing the existing pavement in City streets only. This report will be a stand alone report by itself and not a part of any other City reporting or rating systems or programs.

FEE FOR SERVICES

HDR's fee for the services described above shall be a lump sum figure of \$37,225.00.

We will submit monthly progress invoice with status reports for all work completed to invoice date.

Additional services beyond those described in the Scope of Services will be invoiced on the basis of direct labor cost times a factor of 3.18 and direct costs plus 10%.

TERMS AND CONDITIONS

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

SCHEDULE

This project will take approximately 14 weeks from time that HDR receives the notice to proceed.

HDR appreciates the opportunity to submit this proposal and to continue working for the City of Angleton.

Sincerely,

HDR ENGINEERING, INC.



David Weston
Vice President/Area Manager