



CITY OF MARSHALL

COMMISSION AGENDA INFORMATION SHEET:

MEETING DATE: January, 12, 2017

PROJECT: Consider approval of an Engineering Work Order for the 2017 Street Improvement Program. (Public Services Director)

DESCRIPTION:

Included in the attached 2017 Street Improvement Program is a cost estimate of \$110,000 for engineering and inspection related activities for the major contracted work elements in this year's proposed program. We will present a formal Work Order for Professional Services by Hayes Engineering, Inc. to provide design, bidding, and construction inspections of all street improvement projects; the proposed work order cost of \$110,000 allocates \$33,500 to the preliminary design stage, \$33,500 for the final design stage, \$2,000 for bidding, geotechnical, progress reports and meetings, and \$41,000 for field data, project construction, and inspection. The proposed engineering work order is approximately 8.2% of the \$1,346,984 "construction related" portion of the proposed 2017 Street Improvement Budget, which requires outside engineering and inspection services.

COST:
\$110,000.

FUNDING:	<u>Acct. Name & No</u>	<u>Original Budget</u>
General Fund	Acct# 01-0408-05-02	\$110,000 (as a portion of the line item)

RECOMMENDED

ACTION:

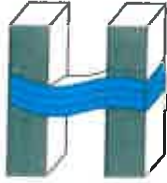
Consider approval of an Engineering Work Order for the 2017 Street Improvement Program. (Public Services Director)

CITY CONTACT: J. C. Hughes, Director of Public Services 903-503-4503

ATTACHMENTS:

Proposed Work Order for 2017 Street Improvement Program – Hayes Engineering

cc: File



HAYES ENGINEERING, INC.

Texas Registered Engineering Firm F-1465 www.hayesengineering.net
2126 ALPINE ST. LONGVIEW, TX 75601-3401
V 903.758.2010 F 903.758.2099

WORK ORDER FOR PROFESSIONAL SERVICES W.O. NO. MA-17-01

This will constitute authorization by the **City of Marshall, Texas** (Owner) for **Hayes Engineering, Inc.** (Engineer) to proceed with the following described "Project":

2017 Street Improvements Program

The Project consists of asphalt overlaying approximately 91,000 SY of selected city streets and reconstructing by pulva-mix approximately 8,500 SY. Geotechnical engineering and materials testing services are not included within this scope of services and will be provided by the City of Marshall. We understand the scope of services for the Project as follows:

BASIC ENGINEERING SERVICES:

PRELIMINARY DESIGN PHASE

1) Prepare preliminary engineering design documents and review with City. \$ 33,500

FINAL DESIGN PHASE

2) Finalize schematics, specifications and contract documents for construction. \$ 33,500
Individual streets will be measured. Detail sheets, schematics, and other drawings will be included in the Contract Documents. Review with City.

BID PHASE

3) Assist in advertising and receiving bids, tabulate and make recommendation on bids received, and assist with negotiations for a construction contract. \$ 2,000

CONSTRUCTION PHASE

4) Perform periodic site visits for 180 day construction period. Coordinate material testing with City's geotechnical firm. Attend update meetings as needed. \$ 4,000

5) Review monthly progress estimates with field representative and prepare monthly pay estimates for a 180 day construction period. \$ 2,000

BASIC ENGINEERING TOTAL \$ 75,000

ADDITIONAL SERVICES:

6) Field data acquisition for design. \$ 7,000

7) Provide part-time project representative services. \$ 28,000
Budget Item (Hourly as needed 20 hrs/wk x \$60/hr x 24 wks)

ADDITIONAL SERVICES TOTAL \$ 35,000

PROJECT TOAL \$ 110,000

Preliminary Design phase will be completed within approximately sixty (60) days at an estimated cost of \$33,500. Final Design phase will be completed within approximately thirty (30) additional days at an estimated cost of \$33,500. Bid Phase will be completed within approximately thirty (30) days at an estimated cost of \$2,000. Construction Phase will coincide with the construction contract that is projected at one hundred eighty (180) days at an estimated cost of \$6,000 for engineering services. Additional Services includes \$7,000 for field data acquisition that will coincide with the preliminary design and \$28,000 for part-time project representative services during construction. Partial payments for services shall be made monthly, as evidenced by monthly statements submitted by the Engineer and approved by the Owner. Total of all services shall not exceed \$110,000.

APPROVED:
CITY OF MARSHALL, TEXAS

BY: _____
Lisa Agnor, City Manager

ATTEST: _____

DATE: _____

ACCEPTED:
HAYES ENGINEERING, INC.

BY: _____
Stanley R. Hayes, P. E., Principal

ATTEST: Sharon Cooley
Sharon Cooley, Corporate Secretary

DATE: 01-03-2017

