



CITY OF MARSHALL

COMMISSION AGENDA INFORMATION SHEET:

MEETING DATE: January, 26, 2017

PROJECT: Consider and act on approval of an Engineering Work Order for the 2016/2017 Community Development Block Grant (CDBG) Program to replace water lines on portions of Bishop Street and Morrison Street. (Public Services Director)

DESCRIPTION:

Attached is a Professional Services Work Order from Hayes Engineering for 2016/2017 Community Development Block Grant (CDBG) water line improvements. We have been allocated \$174,337.85 CDBG funds for water improvements. We require an Engineering Work Order for design, bid documents and bidding, environmental study, and construction oversight services. The work order cost is \$20,000. The engineering portion is \$16,000, amounting to 9.2% based on our proposed revenue budget of \$174,337.85, is dedicated for engineering, surveying, the bidding process (which is much more detailed on CDBG funded projects), and CDBG project compliance reports. Construction oversight activities will be performed by city staff. \$4,000, or approximately 2.3% will be allocated for federal required environmental survey and clearance requirements. The environmental clearance is an item which is not required for normal city funded water line improvements, but it is required by U.S. Housing and Urban Development for CDBG funded projects.

This project includes replacing an old leaking 6" water line on Bishop Street, from West Rusk southward to West Houston; and replaces an old leaking 2" water line on West Morrison Street, from Bishop Street westward to a non-improved Park School Street right-of way, turning northward to West Rusk to tie into the 10" water main on West Rusk for line looping purposes. Additional fire hydrants will also be installed on both improved and replaced water lines, which will greatly enhance future fire fighting capacity in the area.

The engineering probable construction cost estimate is \$114,050, engineering and environmental is \$20,000, and there will be associated costs for CDBG required public notices and site signage of approximately \$2,500, totaling approximately \$136,550 which is less than our allocated funds, but we

may need to secure additional right-of-way and there are always hidden costs when dealing with connecting to existing water lines.

COST:
\$20,000.00

FUNDING:	<u>Acct. Name & No</u>	<u>Original Budget</u>
CDBG Fund	To Be Determined	\$174,337.85 (as a portion of the line item)

RECOMMENDED

ACTION:

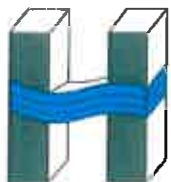
Consider approval of an Engineering Work Order for the 2016/2017 Community Development Block Grant (CDBG) Program to replace water lines on portions of Bishop Street and Morrison Street. (Public Services Director)

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

ATTACHMENTS:

- Work Order for 2016/2017 Community Development Block Grant (CDBG) Program - Water Lines
- Engineers Opinion of Probable Construction Costs

cc: Lisa Agnor, City Manager
Elaine Altman, Finance Director
Wes Morrison, Planning and Development Director
Chris Miles, Water Utilities Superintendent
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-17-02

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

2017 CDBG Water Improvements

We understand the scope of services for the Project as follows:

The project will consist of preparing plans and specifications for approximately 750 LF of 6" water main and related work and appurtenances along North Bishop Street and approximately 930 LF of 6" water mains along West Morrison Street. The contract documents will be prepared in compliance with Community Development Block Grant requirements. A CDBG Environmental Review of the sites will be performed.

PRELIMINARY DESIGN ENGINEERING PHASE:

- | | |
|--|----------|
| 1) Perform field surveys and/or data acquisition required for design. | \$ 2,000 |
| 2) Prepare preliminary construction drawings and specifications.
Review documents with staff. | \$ 5,000 |

FINAL DESIGN ENGINEERING PHASE:

- | | |
|--|----------|
| 3) Finalize detailed construction drawings and specifications.
Review final documents with staff. | \$ 5,000 |
|--|----------|

BID PHASE:

- | | |
|---|----------|
| 4) Advertise and receive bids for construction contract, tabulate and make recommendation on bids received, prepare formal contract documents, and assist City in negotiating a successful construction contract. | \$ 1,000 |
|---|----------|

CONSTRUCTION PHASE:

- | | |
|---|----------|
| 5) Perform site visits, attend meetings, review submittals, and monitor progress of construction. | \$ 2,000 |
| 6) Review monthly progress estimates with Field Representative, process change orders as needed, and prepare monthly pay estimates. | \$ 1,000 |

ENGINEERING SERVICES SUB TOTAL \$ 16,000

OTHER SERVICES:

- | | |
|---|----------|
| 7) Prepare environmental reports in compliance with CDBG program. | \$ 4,000 |
|---|----------|

TOTAL PROJECT \$ 20,000

Items 1, 2, and 3 will be completed within approximately sixty (60) days at an estimated cost of \$10,000 for engineering services and \$2,000 for surveying services. Item 4 will be completed within approximately forty-five (45) days at an estimated cost of \$1,000 for engineering services. Item 7 will be completed during the design phases at an estimated cost of \$4,000 for environmental review.

Items 5 and 6 will coincide with the construction contract that is estimated to be sixty (60) days. The estimated cost associated with the construction phase would be \$3,000 for engineering services.

For performing the services described, the Engineer is to be paid \$7,000 for the preliminary design phase, \$6,000 for the final design and bid phase, \$3,000 for the construction phase, and \$4,000 for Environmental Review for a total maximum not to exceed the amount of \$20,000.

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: 01-19-2017

ATTACHMENT 1 TO EXHIBIT "A"

PROJECT SCHEDULE

2017 CDBG Water Improvement Projects
(North Bishop and West Morrison Street Water Improvements)

<u>TASK</u>	<u>SEQUENTIAL DURATION</u>
Preliminary Design Phase	30 Calendar Days
Final Design Engineering	30 Calendar Days
Bid Phase	45 Calendar Days
Construction Phase	60 Calendar Days

CITY OF MARSHALL, TEXAS
2017 CDBG PROJECTS
NORTH BISHOP and WEST MORRISON STREETS WATER IMPROVEMENTS
Opinion of Probable Construction Cost

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
General					
1	Mobilization, bonds, and insurance	1	LS	XXXXXXXXXX	\$7,500.00
2	Traffic control and barricades	1	LS	XXXXXXXXXX	\$2,000.00
3	SWPPP & erosion control per City & TCEQ requirements	1	LS	XXXXXXXXXX	\$1,000.00
4	Furnish, install, maintain, & remove project sign	1	LS	XXXXXXXXXX	\$500.00
5	Trench safety	1	LS	XXXXXXXXXX	\$1,500.00
6	Temporarily relocate & replace mailboxes & signage as necessary	1	LS	XXXXXXXXXX	\$1,000.00
7	Furnish & install erosion control fabric	500	SY	\$ 6.00	\$3,000.00
8	Furnish & install 4" topsoil & hydromulch	1800	SY	\$ 3.50	\$6,300.00
Sub Total General					\$22,800.00
Water Improvements					
1	Furnish & install 6" water main	1,680	LF	\$ 25.00	\$42,000.00
2	Bore 6" water main under drives, sidewalks	180	LF	\$ 40.00	\$7,200.00
3	Open cut and Repair Asphalt Pavement	140	LF	\$ 50.00	\$7,000.00
4	Tie in to existing 6" water main with fittings	3	EA	\$ 1,500.00	\$4,500.00
5	Remove & salvage existing fire hydrant	1	EA	\$ 600.00	\$600.00
6	Furnish & install new fire hydrant assembly	3	EA	\$ 3,750.00	\$11,250.00
7	Abandon existing 6" gate valve in place	2	EA	\$ 250.00	\$500.00
8	Furnish & install 6" gate valve w/adjustable valve box	6	EA	\$ 1,500.00	\$9,000.00
9	Reconnect existing short side service (residential)	7	EA	\$ 500.00	\$3,500.00
10	Reconnect existing long side service (residential)	6	EA	\$ 700.00	\$4,200.00
11	Hydrostatic testing & sterilization	1	LS	\$ XXXXXX	\$1,500.00
Sub Total North Bishop Water Improvements					\$91,250.00
OPINION OF PROBABLE CONSTRUCTION COST					\$114,050.00

STANLEY PRICE MAYO
 78141
 1-19-17