

AGENDA ITEM FORM

SUBJECT: Request Authorization for CEO and General Manager to Approve Change Order for Polk County's Phase 3 of the NW 66th Avenue/Kempton Bridge Reconstruction Project

SUMMARY:

- In October 2017, the Board of Water Works Trustees entered into a 28E agreement with Polk County for reconstruction and widening of NW 26th Street and NW 66th Avenue as part of Polk County's Phase 3 NW 66th Avenue/Kempton Bridge Reconstruction project.
- In January 2018, the Board of Water Works Trustees entered into a 28E agreement with Polk City for service improvements which included a new 20-inch water main along NW 26th Street. These service improvements also include a new booster station located along NW 26th Street.
- Because part of the new 20-inch water main was to be installed in the area of the Phase 3 66th Avenue/Kempton Bridge Reconstruction project it was decided to change order the 20-inch water main into that construction project to save capital costs and avoid interference with Polk County's project.
- The contractor was approached to provide a change order for the increase in water main work.
- The general scope of work under this expanded construction contract is installation of 20-inch water main from the Saylorville Water Treatment Plant to the intersection of NW 26th Street and NW 66th Avenue, connection of the water main to an existing 16-inch water main, and 20-inch water main running north along NW 26th Street to the end of the reconstruction project, and connection to an existing 12-inch water main. The project also includes work to raise the grade of NW 26th Street for access to the Saylorville WTP during flooding events. Costs for raising the roadway are unchanged.
- A future project will then extend the water main the rest of the way to NW 73rd avenue for connection to the existing feeder main which provides water to Polk City. This will complete the Polk City Station Suction Feeder project.
- Staff proposes having Polk County issuing a change order for inclusion in Polk County's Contract with OMG Midwest, Inc., Des Moines Asphalt & Paving.
- Staff has negotiated an agreement with Polk County and Des Moines Asphalt & Paving, to provide additional compensation in the amount of \$304,246.00 for the additional material, equipment and labor necessary to install the water main along the revised alignment.

FISCAL IMPACT:



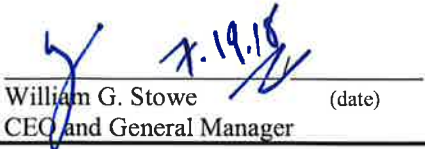
Funds for this project will come from the Polk City Pump Station Suction Feeder budget and Polk County's Water Main Replacement budget. Following the change order cost of 304,246.00, the total projected cost will be \$935,407.21. Total obligated dollars for this project includes \$271,546.21 for SWTP Flood improvements, \$119,625.00 for Polk County WMR, and \$544,236.00 for Polk City Pump Station Suction Feeder budget. Polk City will reimburse DMWW \$304,772.16 as part of the DMWW/Polk City Service Improvements 28E agreement.

RECOMMENDED ACTION:

Authorize the CEO and General Manager to Approve Change Order for Polk County's Phase 3 of NW 66th Avenue/Kempton Bridge Reconstruction Project.

BOARD REQUIRED ACTION:

Motion to authorize the CEO and General Manager to Approve Change Order for Polk County's Phase 3 of NW 66th Avenue/Kempton Bridge Reconstruction Project in the amount of \$304,246.00.

 Nathan W. Casey, P.E. (date) Infrastructure Planning Manager	 Michael J. McCurmin, P.E. (date) Engineering Services Manager	 William G. Stowe (date) CEO and General Manager
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CHANGE ORDER
For Local Public Agency Projects

No.: 3

Non-Substantial:

Substantial:

Administering Office
Concurrence Date

Accounting ID No. (5-digit number): 35114

Project Number: STP-S-C077(217)--5E-77

Contract Work Type: HMA Pavement - Replace

Local Public Agency: Polk County

Contractor: OMG Midwest, Inc., D/B/A Des Moines Asphalt & Paving

Date Prepared: _____

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

- 7002: Decrease item 0114012 WATER MAIN, TRENCHED, PVC, 12 INCH FROM 982 LF TO 30 LF.
- 7003: Decrease item 0124012 WATER MAIN, TRENCHLESS, PVC, 12 INCH FROM 120 LF TO 0 LF
- 7004: Increase item 0114020 WATER MAIN, TRENCHED, PVC, 20 INCH FROM 800 LF TO 1,605 LF.
- 7005: Increase item 0203000, FITTING BY WEIGHT DI FROM 4,826 EACH TO 7,975 EACH
- 7006: Increase item 2599-9999005, PREPARE EXCAVATION FOR 1 IN. CHLORINATION TAP FROM 1 EACH TO 2 EACH.
- 7007: Decrease item 2599-9999005, PREPARE EXCAVATION FOR TAPPLING SLEEVE AND VALVE FROM 1 EACH TO 0 EACH.
- 7008: Increase item 2599-9999009, WATER MAIN ABANDONMENT & REMOVAL 12 IN FROM 975 LF TO 1390 LF.
- 7009: Increase item 2599-9999009, WATER MAIN TRENCHED, PVC, 20 IN., RESTRAINED JOINT FROM 196 TO 535 LF.
- 8006: Add item 2599-9999005, NEW 1 IN. WATER SERVICE TRANSFER, 1 EACH
- 8007: Add item 2554-0114016, WATER MAIN TRENCHED, PVC, 16 INCH, 30 LF
- 8008: Add item 2554-0144020, WATER MAIN WITH CASING PIPE, TRENCHLESS, PVC, 20 IN, 180 LF
- 8009: Add item 2599-9999009, DEWATERING 20 IN WATER MAIN TRENCH, 805 LF
- 8010: Add item 2554-0207012, VALVE, GATE, 12 INCH, 1 EACH
- 8011: Add item 2554-0207016, VALVE, GATE, 16 INCH, 1 EACH
- 8012: Add item 2554-0207020, VALVE, GATE, 20 INCH, 2 EACH

B - Reason for change:

- 7002: Change installation of 12 inch PVC water main to 20 inch PVC. Route modified to include accommodate additional 20 inch pipe and to fit contractor schedule. Decrease quantity of 12 inch pipe installation.
- 7003: See item 7001. Trenchless installation of 12 inch PVC was changed to 20 inch PVC see item 8008.
- 7004: See item 7001. Increase quantity of 20 inch pipe installation.
- 7005: See item 7001. Change to fitting weight for 20 inch pipe.
- 7006: Additional chlorination tap needed for disinfection of longer 20 inch pipe.
- 7007: Tapping valve and sleeve no longer needed.
- 7008: Additional 12 inch pipe abandonment.
- 7009: Increase quantity of 20 inch restrained joint pipe.
- 8006: Additional service affected by modified route.
- 8007: Additional 16 inch pipe needed for connection to existing 16 inch pipe.
- 8008: Add 20 inch water main with casing pipe for trenchless crossing of NW 66th Avenue and NW 26th Street.
- 8009: Add additional dewatering for trenched installation of water main.
- 8010: Add gate valve for connection to existing 12 inch pipe.
- 8011: Add gate valve for connection to existing 16 inch pipe.
- 8012: Add gate valves for operation of new 20 inch pipe.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

- 7002: Contract unit prices.
- 7003: Contract unit prices.
- 7004: Contract unit prices.
- 7005: Contract unit prices.
- 7006: Contract unit prices.
- 7007: Contract unit prices.
- 7008: Contract unit prices.
- 7009: Contract unit prices.

- 8006: \$3,300/EACH, includes 10% prime markup.
- 8007: \$66/LF, includes 10% prime markup.
- 8008: \$1,012/LF, includes 10% prime markup.
- 8009: \$13.20/LF, includes 10% prime markup.
- 8010: \$3,080.00/EACH, includes 10% prime markup.
- 8011: \$8,965.00/EACH, includes 10% prime markup.
- 8012: \$18,700/EACH, includes 10% prime markup.

Accounting ID No.(5-digit number): _____

Change Order No.: _____

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

- 7002: Contract unit prices.
- 7003: Contract unit prices.
- 7004: Contract unit prices.
- 7005: Contract unit prices.
- 7006: Contract unit prices.
- 7007: Contract unit prices.
- 7008: Contract unit prices.
- 7009: Contract unit prices.
- 8006: Cost deemed acceptable when compared with similar items on other projects.
- 8007: Cost deemed acceptable when compared with similar items on other projects.
- 8008: Cost deemed acceptable for work involved.
- 8009: Cost deemed acceptable for work involved.
- 8010: Cost deemed acceptable when compared with similar items on other projects.
- 8011: Cost deemed acceptable when compared with similar items on other projects.
- 8012: Cost deemed acceptable when compared with similar items on other projects.

E - Contract time adjustment: No Working Days added Working Days added: _____ Unknown at this time

Justification for selection:

H. Signatures

Accounting ID No.(5-digit number): _____

Agreed: _____
Contractor _____ Date _____

Change Order No.: _____

Recommended: _____
Project Engineer _____ Date _____

Approved: _____
Person in Responsible Charge _____ Date _____ Other (optional) _____ Title _____ Date _____

_____ Date _____ Other (optional) _____ Title _____ Date _____

_____ Date _____
Iowa DOT Administering Office _____ Date _____

Approval is contingent upon funds being available under the existing project agreement or upon additional Federal-aid funds being made available by a modified project agreement.

FHWA Concurrence: _____
Federal Highway Division Administration _____ Date _____
(if required)

DISTRIBUTION (after fully executed on LPA projects): Original - Finance; Copies - Contractor, Project Engineer, Contracting Authority, Administering Office.

Date distributed: _____ Initials: _____

PROJECT
LOCATION MAP

