



WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director
Fran Donelson, Secretary

From: Jon Koch, WPCP Director

Date: November 25, 2014

Re: Dredge Pipe Bridge Brackets

INTRODUCTION: To extend the dredge line across Mad Creek, bracket supports need to be purchased to attach to the pedestrian bridge. These support brackets should match Continental Bridge design criteria and aesthetic look of the current material. To ensure both, it is advised to sole source these materials from Contech Engineered Solutions (Continental Bridge) in the amount of \$16,912.00. This includes engineering plans and drawings from the manufacturer. The project has an approved budget of \$90,000.00 based on estimates from two years ago. Current estimates are running closer to \$130,000 to complete this project.

BACKGROUND: The Mad Creek crossing for the harbor dredge line was initially designed to go under Mad Creek, but the cost of boring and the restricted access to the pipe for repairs made a crossing at the pedestrian bridge a superior alternative. The pipe will be low to the deck on the downstream side so no further obstruction of the path will be necessary. The pipe will not hang below the current bottom chord of the bridge so it will not restrict flow during flood events. The material used will match the current bridge material to maintain the aesthetic look of the bridge. Purchasing directly from the manufacturer to provide the material to the contractor ensures a timely completion this spring, reduction of price and assurance of material compatibility with the bridge manufacturer. This will complete the extension projects for the harbor dredging pipe until a decision is made to move the location of the bags from the Hawkeye site. Purchase of the brackets is only part of the larger project that will go out for bid in the coming weeks.

RECOMMENDATION/RATIONALE: Staff recommends the purchase of pipe support brackets and enclosures from Contech Engineered Solutions in the amount of \$16,912.00 to move forward with the Dredge Pipe Mad Creek Crossing Project.

BACKUP INFORMATION:

1. Contech Engineered Solutions quote.

Quote # QUO-200673-B1GNFK					
Date	11/3/2014	Account Name	Stanley Consultants	Reply-To	
Quote #	QUO-200673-B1GNFK	Contact Name		Contech Rep.	Dennis Brever
		Phone	(563) 264-6657	Address	8301 State Hwy 29 North Alexandria, MN 56308
Project Name	Canon Ave. Pedestrian Bridge - Adding a pipe support Bracket	Fax	(563) 264-6658	Phone	(320) 852-5316
Project #	505800	Email		Fax	
Project City/State	Muscatine, IA			Email	dbrever@conteches.com

Contech's offer to sell the products described in this quotation is expressly conditioned upon Buyer's assent to the Contech Conditions of Sale ("Contech COS") included herewith and/or viewable at www.conteches.com/cos. A valid tax exemption certificate must be issued to Contech or sales tax will be added.

Item #	Description	Pieces	Quantity	Extended Unit Price	Unit	Unit Total
	Pipe Support Brackets & Pipe Enclosure Evaluate and design pipe support brackets for the existing bridge Pipe support brackets to be designed to carry one 10 inch diameter pipe Supply (9) pipe support brackets with mounting hardware Pipe support bracket to be made out of self weathering steel to match the existing bridge (8) pieces of 1'-2" x 1'-2" x 13'-8" Long pipe enclosures (2) pieces of 1'-2" x 1'-2" x 6'-8" Long pipe enclosures Bolts for bolting on the pipe enclosures Delivery by common carry to Muscatine, IA included Pipe Supports = \$8,262.00 Plus Tax Pipe Enclosures = \$8,650.00 Plus Tax	1.00	1.00	\$16,912.00	EA	\$16,912.00
Total						\$16,912.00
(Tax not included)						Net Total \$16,912.00

Standard Notes

- 1.Design submittal drawings will be provided, signed and sealed by a Professional Engineer licensed to practice in the State where the project is located.
- 2.In addition to any other procedures outlined or remedies provided, at the time of order, Contech will request a desired delivery date for the quoted materials from the purchasing customer. After drawing approval and prior to manufacturing Contech may again confirm the requested delivery date with the purchasing customer. If purchasing customer cannot take delivery of finished materials on requested date, and after Contech has manufactured the product(s), Contech will invoice for the total amount of the order with payment due within 30 days. Additionally, Contech may also assess fees in the amount of 10% of the total order for materials that are not shipped within 30 days after the requested delivery date for storage and handling.
- 3.One or more of the products quoted herein is nonstandard and not returnable. A down payment equal to 1/3 of the item(s) total is required and must be received prior to commencement of any performance by Contech.
- 4.This quotation expires 30 days from the date shown. Prices are firm for shipment within 120 days of the date of quotation and are subject to a maximum escalation of 8% for each 30 days thereafter.

Scope Of Work

Continental Pedestrian

Truss bridge pricing includes the steel truss bridge manufactured in sections sized at the discretion of Contech to facilitate optimum shipments. Sections may require final assembly at the jobsite by others using fasteners supplied by Contech.

The following work is not a part of this offer and is to be performed by others at no cost to Contech:

1. All construction surveying, including field measurement and verification of abutments and anchor bolt placement.
2. Design of the bridge foundations unless otherwise stated herein.
3. Excavation and construction of the bridge foundations.
4. Supply and installation of anchor bolts.
5. Erection and installation of the bridge structure(s).
6. Touch up painting of any and all surfaces damaged during handling, loading, unloading, rigging, fit up or installation. Touch up paint guidelines are available from Contech.
7. Supply and installation of any expansion joint materials required by the contract.
8. Supply and installation of concrete and reinforcing for bridge deck slab or abutments.
9. Any and all costs associated with special inspection or testing by an independent agency.
10. Bridge approach railing or wing wall rails unless specifically included elsewhere on this proposal.
11. All other associated or appurtenant items not specifically referenced and included elsewhere in this proposal.

Client: City of Muscatine
Project: Extend Dredge Pipeline from Existing Terminus at Mad Creek across Mad Creek
Date: 11/12/2014
Prepared By: JM Brady, Stanley Consultants
Reviewed: CL Bark, Stanley Consultants

Item	Quantity	Unit	Unit Cost	Extended Co	Comments
Modify Existing Terminus	1	LS	\$ 700	\$ 700	Remove existing elbow and vertical riser, add blow off valving
Install Buried Pipe	165	ft	\$ 100	\$ 16,500	10" HDPE, 5' deep
Jack & Bore Railroad	50	ft	\$ 300	\$ 15,000	Incl Steel Casing Pipe
Core Drill Abutments	2	Ea	\$ 225	\$ 450	
Pipe and Fittings for Abutment to Bridge	1	LS	\$ 25,480	\$ 25,480	
Bridge Co Bracket Support Kit	1	LS	\$ 16,912	\$ 16,912	Engr, Dwg, Support Brackets, Enclosure Tubes
Install Bridge Pipe Supports & Tube	12	Ea	\$ 500	\$ 6,000	Bolt steel pipe pipes supports to bridge
New Terminus	1	LS	\$ 6,000	\$ 6,000	Manhole, vertical riser and flange
New Valve Manhole	1	LS	\$ 3,500	\$ 3,500	
10" Plug Valve	1	LS	\$ 4,800	\$ 4,800	
Trail Repaving	400	SF	\$ 8	\$ 3,200	
Surface Restoration	1650	SF	\$ 0.50	\$ 825	Grading, seeding
Mobilization	1	LS	\$ 2,981	\$ 2,981	3% of subtotal
Miscellaneous Items	1	LS	\$ 15,352	\$ 15,352	10% of subtotal
Total				\$ 117,700	
Probable Construction Cost				\$ 118,000	
Engineering				\$ 15,850	
Total Project Cost				\$ 133,850	