



1202 Musser Street
Muscatine, IA 52761-1645
(563) 263-2752
Fax (563) 263-3720

WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director
Fran Donelson, Secretary

From: Jon Koch, WPCP Director

Date: August 26, 2015

Re: Dredge Line Mad Creek Crossing Change Order #3

INTRODUCTION: The boring for the dredge line needs to be upsized from a 16 inch to a 30 inch pipe to allow for the removal of large pieces of scrap concrete. These large pieces of concrete were encountered only after boring 10 feet under the tracks and could not be anticipated by normal pre-construction means due to restrictions in the railroad utility license. Because it is under the railroad tracks, normal means of boring are not feasible due to liability issues. The larger pipe will allow for workers to safely extract the large pieces of concrete. The cost of the larger pipe and remobilization of the boring contractor and railroad flagger is estimated to be \$13,690.00.

BACKGROUND: The harbor dredge line was contracted to be bored under the railroad tracks near Mad Creek and run across the pedestrian bridge to eliminate annual installation and removal of temporary piping. A boring was attempted twice at the approved location with the 16 inch pipe but was unable to penetrate past 12 feet due to large pieces of scrap concrete used by the railroad during construction to build up the base of the tracks. This base was excavated down 12 additional feet and was still obstructed with the concrete pieces. These pieces cannot be pushed, drilled or bored with traditional means due to the presence of the railroad tracks above. Normal boring methods could leave large voids that could undermine the integrity of the tracks above and open the contractor and City to liability.

The boring contractor has recommended upsizing the pipe casing to a 30 inch pipe to facilitate safe removal of the concrete piece without compromising the integrity of the railroad track base. Canadian Pacific has granted a license to bore a 16 inch line and must approve any adjustment to the work being done.

**"I remember Muscatine for its sunsets. I have never seen any
on either side of the ocean that equaled them" — Mark Twain**

RECOMMENDATION/RATIONALE: Staff recommends, pending licensing from Canadian Pacific, approval of work to be done by Nicol Boring, Inc. under the City contract with Sulzberger Excavating, Inc. to bore 50 feet of 30 inch pipe under the Canadian Pacific railroad tracks at an estimated cost of \$13,690.00

BACKUP INFORMATION:

1. Change order from Sulzberger Excavating, Inc.

- What RR requires for fill/chocks of/in pipe
 - Barry will fill ends w/ sand to support the boot
 - Need Barry to confirm duration of pricing

CO# 004A

SULZBERGER EXCAVATING, INC.

1500 South Houser Street
 Muscatine, IA 52761

P: (563) 263-1697
 F: (563) 263-0522

- Memo to Gregg change order

ADDITIONAL WORK ORDER

TO:
 City of Muscatine
 Water Pollution Control Plant
 1202 Musser Street
 Muscatine, Iowa 52761

- Barry to give to CO for not cutting pavement & overlaying approach on east side of bridge.

PHONE 563-263-2752	DATE 8/25/15
JOB NAME/LOCATION Mad Creek Dredge Pipe Line Extention	
CONTRACT/JOB NUMBER	JOB PHONE

Attn : Jon Koch

WE HEREBY AGREE TO THE CHANGE(S) OR ADDITIONAL WORK SPECIFIED BELOW:

08/17/15 30 inch casing quote from Nichol Boring	\$ 15,300.00	
Original Boring Bid Price	\$ (10,740.00)	= \$ 4,560.00
06/25/15 Boring, direct cost from subcontractor	\$ 2,168.00	
Rail Road Flagger - SEI time not charged	\$ 750.00	
07/30/15 Boring, direct cost from subcontractor.....	\$ 1,752.00	
Seal casing with flowable mortar	\$ 460.00	
Rail Road Flagger - SEI time not charged	\$ 750.00	= \$ 10,440.00
Flagger needed	\$ 750.00	
SEI removal of obstructions (see attached)	\$ 900.00	
SEI will bill per hour of actual work done, this is only a estimate		
Nichol boring stand by time (see attached)	\$ 1,600.00	= \$13,690.00
Nichol Boring will bill per hour of actual stand by time & extra work, this is only an estimate.		

Total Estimate

Extra cost for this change order is \$ 13,690.00

NOTE: This Change Order becomes part of and in conformance with the existing contract.

We Agree hereby to make the change(s) specified above at this price: ▶

Date of Agreement: _____	PREVIOUS CONTRACT AMOUNT	
Authorized Signature _____ (CONTRACTOR)	REVISED CONTRACT TOTAL	\$0.00

Payment to be applied as follows:

Accepted - The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise stipulated.

Authorized Signature _____
 (OWNER)
 Date of Acceptance: _____