

CITY OF MADISON
DEPARTMENT OF
PUBLIC WORKS CONTRACT
CHANGE ORDER

Date 6/25/2010

Contract Name
6382 - Cannonball Run Pipeline - 2009

Change Order No. CO 2
Contract No. 6382
Project No. 53W0850
Change Order Project No. 53W0850

Change Order Description
Extras resulting from unanticipated field conditions. Existing path surface was not in salvagable condition as intended, field conflicts required additional hydrant work, and contaminated drilling mud required additional hauling.

Account Numbers for this Change Order:
Water Utility: EW01-58273-810455-00-53W0850

Contractor McHugh Excavating & Plumbing
W7010 Evergreen Way
Onalaska, WI 54650

You are authorized and directed to make the following changes in this contract:

Item No.	Description	Est. Qty	Unit	Unit Price	*N/B	Total
1	Crushed stone to create aggregate path surface since salvagable material did not exist.	1546.00	TON	13.80	N	21,335.63
2	Removal of abandoned, buried concrete lift station structure not identified during survey.	1.00	LS	1,088.00	N	1,088.00
3	Installing seven required hydrant extensions due to field conflicts and/or slope conditions.	1.00	LS	3,802.50	N	3,802.50
4	Additional trucking required to transport contaminated drilling mud to County Landfill	1.00	LS	7,166.00	N	7,166.00
	(See attached for details regarding Items 1-4)					0.00
						0.00
						0.00
Net Change Order						33,392.13
The Original Contract Total						1,139,321.00
Sum of previous Change Orders						16,561.60
The new Contract Sum including this Change Order will be						1,189,274.73

This Contract is a:	Calendar Days	Working Days	Completion Date
Original Contract Time/Completion Date	0	0	January 0, 1900
Net Change in Contract Time by previous change order	0	0	0
Contract Time/Completion Date prior to this change order	0	0	January 0, 1900
Additional day(s) as a result of this Change Order			
Contract time/completion date as a result of this change order	0	0	January 0, 1900

* Mark if negotiated (N) or bid (B) unit price

Contractor's Acceptance
By [Signature]
Title President
Date 6/28/10

City's Approval (see reverse side for instructions)
Construction Inspector [Signature]
Construction Supervisor [Signature]
Engineer [Signature]
Board of Public Works [Signature]

OK
MRO
7/12/10

Cannonball Run Pipeline - 2009
Contract #6382
Change Order No. 2

Detailed Justification Summary

Item #1 – Contract anticipated several inches of salvageable aggregate path surface to be salvaged and replaced. The corridor section east of Seminole Hwy, for approximately 3,600 LF, was discovered to have no reusable aggregate surface material. The price of \$13.80/ton to supply and place 1.5” crushed stone was negotiated and determined acceptable in November 2009. The stone was installed in May 2010.

Item #2 – An unmarked, abandoned lift station was encountered on the pipeline alignment in an easement through CDA property. An additional 2-hours of concrete removal work was required.

Item #3 – Six conflicts were encountered differing from shown survey utility location or slope grade elevation. The field resolution required a greater depth of the water main in these isolated areas. The greater depth necessitated installing hydrant extenders to bring the hydrants to the required bury line clearance.

Item #4 – Horizontal directional drilling operations resulted in excess fluid that was in too liquid of a state to spread on site, and site limitations limited on-site storage pits. The mud was intended to be hauled to a clean-fill site, however lab testing displayed levels of arsenic beyond the industrial contaminant level. The result was additional hauling time and distance requirements to access the county landfill, rather than the clean-fill site.

PAGE 1/4

McHugh Excavating & Plumbing, Inc.
 W7010 Evergreen Way
 Onalaska, WI 54650
 (608)783-1404
 Fax (608)783-4881

CHANGE ORDER REQUEST

Number _____
 Phone _____ Date 6-9-10
 Job name/location CANNONBALL
RUN PIPELINE
 Job # _____ Job phone _____
 Existing contract # and date _____

TO: MADISON WATER DEPT.
ATTN: ADAM WIEGERSHOEFT
FAX 608-266-4644

We hereby agree to make the change(s) specified below:

EXTRA WORK REQUIRED (A), (B) AND (C):

(A) REMOVE UNKNOWN ABANDONED LIFT STATION ON CDA PORTION OF JOB.

2 CREW HOURS.

↑ 330 BACKHOE W/OPEL. — 2 Hrs @ 189- = 378-
644 LOADER W/OPEL — 2 Hrs @ 165- = 330-
QUAD AXLE DUMP TRUCK — 2 HRS @ 85- = 170-
DUMP FEES — 6 LOADS @ 35- = 210-

ITEM (A) TOTAL — \$1088-

Verified as accurate by field inspector.

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 <u>6-9-10</u>	Previous contract amount	\$
Authorized Signature (contractor) <u>Walt Shovel</u>	Revised contract amount	\$

ACCEPTED - The above prices and specifications of the 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.

Date of acceptance _____, 200

Signature (owner) _____

Specifications

Page No. 2 of 4 pages

(B) FIRE HYDRANT EXTENSIONS REQUIRED DUE TO REALIGNMENT REQUIRING SIDE SLOPE INSTALLATION, ADDITIONAL DEPTH AT TIE-INS AND EXTRA DEPTH DUE TO EXISTING UTILITIES CONFLICTS:

(a) BENNETT'S LOCATION (WESTEND), EXTENSION REQUIRED DUE TO DEPTH OF EXISTING WATERMAIN.

6 INCH EXTENSION _____ 386 -
 LABOR _____ 1/2 hr @ 66' = 33 -
 FOREMAN _____ 1/2 hr @ 88' = 44 -

(a) TOTAL \$ 463 -

(b) SOUTHWEST BIKE PATH, ON SIDE HILL.

(1) 6 INCH EXTENSION _____ 386 -
 LABOR _____ 1/2 hr @ 66' = 33 -
 FOREMAN _____ 1/2 hr @ 88' = 44 -

(2) 12 INCH EXTENSION _____ 453 75

LABOR _____ 1/2 hr @ 66' = 33 -
 FOREMAN _____ 1/2 hr @ 88' = 44 -

(b) TOTAL \$ 993 75

(c) SOUTHWEST BIKE PATH @ LOVELL LANE EXTRA DEPTH TO MEET EXISTING MAIN DEPTH.

18 INCH EXTENSION _____ 528 -

LABOR _____ 1/2 hr @ 66' = 33 -

FOREMAN _____ 1/2 hr @ 88' = 44 -

(c) TOTAL \$ 605 -

McHugh Excavating & Plumbing, Inc.
 W7010 Evergreen Way
 Onalaska, WI 54650
 (608)784-1404
 Fax (608)784-4881

This page becomes part of and in conformance with Proposal for:

Job Name/No. CANNONBALL RUN

Accepted by _____ Date _____ 200
 (Initials)

Specifications

Page No. 3 of 4 pages

① EXTRA DEPTH NECESSARY TO CROSS UNDER
 EXISTING SANITARY SEWER ON CDA PORTION,
 18 INCH EXTENSION _____ 528 -
 LABOR _____ 1/2 HR @ 66 = 33 -
 FOREMAN _____ 1/2 HR @ 88 = 44 -
 ① TOTAL \$ 605 -

② WESTSIDE OF SEMINOLE HWY., EXTRA DEPTH
 TO MEET EXISTING MAIN ELEVATION.
 12 INCH EXTENSION _____ 453 ~~FF~~
 LABOR _____ 1/2 HR @ 66 = 33 -
 FOREMAN _____ 1/2 HR @ 88 = 44 -
 ② TOTAL \$ 530 ~~FF~~

③ EASTSIDE OF SEMINOLE HWY., EXTRA
 DEPTH REQUIRED TO MEET BONE ELEVATION
 18 INCH EXTENSION _____ 528 -
 LABOR _____ 1/2 HR @ 66 = 33 -
 FOREMAN _____ 1/2 HR @ 88 = 44 -
 ③ TOTAL \$ 605 -

④ ITEM TOTAL → \$ 3802.50

All conflict resolutions and required fittings were authorized by the field inspector, and in agreement with the field inspector's records. Conflicts resulting from slopes/utility locations differing from survey data.

McHugh Excavating & Plumbing, Inc.
 W7010 Evergreen Way
 Onalaska, WI 54650
 (608)784-1404
 Fax (608)784-4881

This page becomes part of and in conformance with Proposal for:

Job Name/No. CANNONBALL RUN

Accepted by _____ Date _____ 200
 (Initials)

Specifications

Page No. 7 of 4 pages

(C) CRUSHED ROCK REQ'D EAST OF SEMINOLE HWY FOR RESTORATION OF GRAVEL TRAIL. ACTUAL FIELD CONDITIONS REVEALED NO SALVAGEABLE ROCK AVAILABLE FOR RESTORATION, THUS HAULED IN ROCK WAS APPROVED.

<u>DATE</u>	<u>AMOUNT</u>
S-18-10	215.56 TON
S-19-10	238.25 TON
S-20-10	487.92 TON
S-21-10	22.89 TON
S-24-10	580.44 TON

Verified by original quarry receipts - 6/28/10

→ TOTAL 1546.06 TON

1546.06 TON @ 13.80 / TON (PER C.O.)

(C) TOTAL = \$ 21,335.63

Price negotiated 11/09 upon discovery of unsalvageable surface material.

(A) + (B) + (C) — GRAND TOTAL \$ 26,226.13

+ Trucking \$

See following pages for trucking negotiation summary.

<p>McHugh Excavating & Plumbing, Inc. W7010 Evergreen Way Onalaska, WI 54650 (608)784-1404 Fax (608)784-4881</p>	<p>This page becomes part of and in conformance with Proposal for: Job Name/No. <u>CANNONBALL RUN</u> Accepted by _____ Date _____ 200 (Initials)</p>
---	--

6382 – CHANGE ORDER 2
Additional Trucking - Negotiated Price Summary

From: wschro7807 [mailto:wschro7807@aol.com]
Sent: Thursday, June 03, 2010 11:15 AM
To: Wiederhoeft, Adam; 'Walt Schroeder'
Cc: Larson, Alan; Cawley, Dennis; Buss, Tammy; dmchugh@centurytel.net
Subject: Re: Additional Hauling Expense Agreement

Adam:

I faxed the below info to Jim at EBI this AM for his acceptance. Jim called me after reviewing your summary and will accept the \$7166 which you had proposed.

Thanks for your help in bringing this to a conclusion.

Walt

From: "Wiederhoeft, Adam" <AWiederhoeft@madisonwater.org>
Subject: Additional Hauling Expense Agreement
Date: June 2, 2010 1:44:13 PM CDT

Walt,

Thanks for stopping by today to discuss the unresolved change order for the Cannonball Pipeline project. As we discussed, here is the summarized breakdown of extra hauling expense that was caused by moving the destination for the drilling mud spoils from Clayton's pit to the County landfill. In summary, the change in location had added 32 minutes to each of the 57 loads hauled from the project site. This caused a need for using an additional vector to haul mud for 2 days, additional trucking during pullback, and to have two additional days of trucking during additional clean-up after the drill operations were complete.

The total agreed additional expense, as described below, was \$7,166.

Please review the summarization below, and submit the revised change order if you concur that the following information is accurate.

Basis:

- There were 57 trips to the County landfill associated with the drilling mud/extra cleanup.
- Both parties agree that there was an extra 12 minutes per round-trip travel time and also an extra 20 minutes per trip to weigh-in/out at the landfill scales. That equates to 32 extra minutes per trip due to the location change (0.533 hrs).
- 40 of the 57 landfill trips were during pullback occurring between 11/11 and 11/18, with 9 of those coming from either of the two vectors and 31 from trucking.
- 17 of the 57 trips were during extra cleanup work occurring 11/30 to 12/1, with no vector usage.

Contract: 6382 - CHANGE ORDER 2 - SUMMARY OF ADDITIONAL EXPENSES

- Additional Vactor rate = \$189/hr.

- Additional Trucking rate = \$76/hr.

Agreed Excess Handling Expense:

Pullback – extra vactor

9 trips * 0.533 hr * \$189 = \$907 – the actual extra expense

BUT assume 2 full days rental req'd for extra vactor per field notes.

2 * 9.5 hr day * \$189 = \$3,591

- and -

Pullback – extra trucking

31 trips * 0.533 hr * \$76 = \$1,257 – the extra trucking expense during pullback

TOTAL PULLBACK EXTRA EXPENSE = \$ 3,591 + \$1,257 = \$4,848

Additional clean-up – extra trucking

17 trips * 0.533 hr * \$76 = \$689 – the actual extra expense for trucking time

BUT assume, as invoiced 11/30 to 12/1, extra 30.5 total trucking excess time during 11/30 – 12/1

30.5 hrs * 76 = \$2,318

TOTAL EXTRA HAULING/CLEAN-UP EXPENSE = \$2,318

TOTAL EXTRA RESULTING FROM COUNTY

LANDFILL HAULING REQUIREMENT = \$2,318 + \$4,848 = \$7,166

Regards,
Adam

Adam Wiederhoeft, EIT

Madison Water Utility

Desk: (608) 266.9121

Mobile: (608) 213.1844