

Change Order

No. 2

Date of Issuance: June 10, 2015 Effective Date: June 5, 2015

Project: **Flood Inundated Areas Street Rehab - Section 1** Owner: **City of Minot** Owner's Contract No.: **3873.0**

Contract: _____ Date of Contract: **04-16-2015**

Contractor: **Bechtold Paving** Engineer's Project No.: **R14090**

The Contract Documents are modified as follows upon execution of this Change Order:

Description: Addition of the following items & unit prices to the contract:

1. Removal of Hot Bituminous Pavement (HBP Only) = \$24.00/SY
2. Adjust Manhole (Adjusting Ring) = \$300.00/EA

The above items will be used as an alternative when appropriate. The application of these items is intended to result in an equal or better finished product to the original, and a cost savings to the project.

Attachments: (List documents supporting change):

1. Contractor's proposed unit prices for the above items (email)
2. Contract Price Change Spreadsheet

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ 2,547,994.80

Original Contract Times: Working days Calendar date
Substantial completion (days or date): October 16, 2015
Ready for final payment (days or date): November 2, 2015

[Increase] [Decrease] from previously approved Change Orders No. 0 to No. 1:

\$ 433,726.30

[Increase] [Decrease] from previously approved Change Orders No. 0 to No. 1:
Substantial completion (days): 0
Ready for final payment (days): 0

Contract Price prior to this Change Order:

\$ 2,981,721.10

Contract Times prior to this Change Order:
Substantial completion (days or date): October 16, 2015
Ready for final payment (days or date): November 2, 2015

[Increase] [Decrease] of this Change Order:

\$ -40,200.00

[Increase] [Decrease] of this Change Order:
Substantial completion (days or date): 0
Ready for final payment (days or date): 0

Contract Price incorporating this Change Order:

\$ 2,941,521.10

Contract Times with all approved Change Orders:
Substantial completion (days or date): October 16, 2015
Ready for final payment (days or date): November 2, 2015

RECOMMENDED:
By: [Signature]
Engineer (Authorized Signature)

ACCEPTED:
By: [Signature]
Owner (Authorized Signature)

ACCEPTED:
By: [Signature]
Contractor (Authorized Signature)

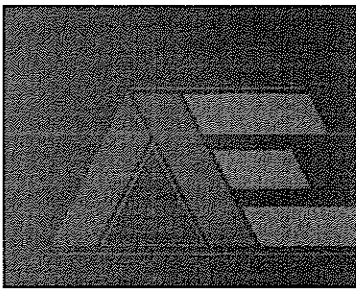
Date: 6-15-15

Date: 6/18/15

Date: 6-11-15

Approved by Funding Agency (if applicable): _____

Date: _____



1907 17th Street Southeast
Minot, ND 58701
701.837.8737
www.ackerman-estvold.com

MEMORANDUM

To: City of Minot, Ben Cofell

From: Ackerman-Estvold

Date: June 16, 2015

Re: Change Order 2 Analysis and Justification of Proposed Costs
3873.0 Flood Inundated Areas Street Rehab – Section 1
City of Minot, North Dakota

The contractor submitted the following bid items and unit prices as a cost savings that will replace a portion of the original bid items and quantities:

Proposed bid items

1. Removal of Hot Bituminous Pavement (HBP Only) = \$24.00/SY
2. Adjust Manhole (Adjusting Ring) = \$300.00/EA

Original bid items

1. Item #9: Removal of Hot Bituminous Pavement = \$45.00/SY
2. Item #20: Adjust Manhole = \$600.00/EA

The proposed changes are expected to reduce the time required to complete the items to half of the original time and still provide a product with equal or better quality as originally planned. With half the time expected, the submitted prices are favorable as they are at or near half the original costs. The estimated cost savings to the project is \$40,200.00 and detailed on the attached sheet.

Base on a favorable comparison with the amount of time required to complete the revised work, it is recommended that the proposed bid items be authorized via change order to Bechtold Paving as the most time and cost effective option.



Change Order 2 Changes
 Flood Inundated Areas Street Rehab - Section 1
 Minnot, North Dakota

6/9/2015

| Item No. | Description | Unit | Unit Price | Plan + CO1 Quantity | Plan + CO1 Subtotal | CO2 | | CO2 Change | Final Quantity | Final Subtotal |
|----------|---|------|------------|--------------------------------------|------------------------|-------------------|----------------------|--------------|-------------------|-------------------|
| | | | | | | CO2 Unit Price | Adjusted Quantity | | | |
| 9 | Removal of Hot Bituminous Pavement | SY | \$45.00 | 680 | \$30,600.00 | \$45.00 | -600 | -\$27,000.00 | 80 | \$3,600.00 |
| 9A | Removal of Hot Bituminous Pavement (HBP Only) | SY | | | | \$24.00 | 600 | \$14,400.00 | 600 | \$14,400.00 |
| 22 | Adjust Manhole | EA | \$600.00 | 100 | \$60,000.00 | \$600.00 | -92 | -\$55,200.00 | 8 | \$4,800.00 |
| 22A | Adjust Manhole (Adjusting Ring) | EA | | | | \$300.00 | 92 | \$27,600.00 | 92 | \$27,600.00 |
| | | | | Plan + CO1 Construction Total | \$2,981,721.10 | | | | | |

Change Order 2 Adjustment -\$40,200.00

* Quantities are subject to changes from field measurements
 Updated Construction Total \$2,941,521.10

Sunil Jeboo

From: Justin Ahmann
Sent: Friday, June 05, 2015 1:26 PM
To: 'ben.cofell@minotnd.org'
Cc: Tim Arens; Sunil Jeboo
Subject: FW: Flood Inundated Areas - Change Order Prices

Ben,

Ackerman-Estvold accepts these cost savings changes as listed in the email below. Could I get an approval from the City, then we will include these prices in the first pay request and issue a Change Order to cover this change. Original bid prices are the following:

Section 1

Removal of Hot Bituminous Pavement = \$45.00/SY
Adjust Manhole = \$600.00/EA

Section 2

Removal of Hot Bituminous Pavement = \$19.25/SY
Adjust Manhole = \$600.00/EA

Thanks.

Justin Ahmann, PE
Civil Engineer
Ackerman-Estvold
1907 17th Street Southeast
Minot, ND 58701
Ph: (701)837-8737
Fax: (701)837-1990

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From: Mac Kersten [<mailto:macdk@minot.com>]
Sent: Wednesday, June 03, 2015 5:56 AM
To: Justin Ahmann
Cc: Clary (Clary)
Subject: Flood Inundated Areas - Change Order Prices

Justin,

Here are the prices for the Flood Inundated Areas:

Section 1

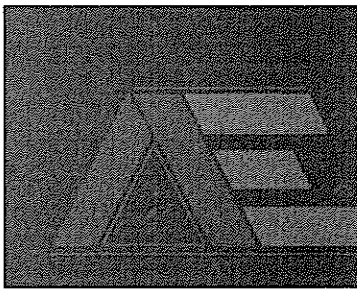
Removal of Hot Bituminous Pavement (Only) = \$24.00/SY
Manhole Adjusting Ring (American Highway Products) = \$300.00/EA

Section 2

Removal of Hot Bituminous Pavement (Only) = \$19.25/SY
Manhole Adjusting Ring (American Highway Products) = \$300.00/EA

West River Striping is getting us some numbers on Permanent Striping.

Mac Kersten
Bechtold Paving Inc.
Minot, ND



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MEMORANDUM

To: City of Minot, Ben Cofell

From: Ackerman-Estvold

Date: June 1, 2015

**Re: Change Order 2 Justification and Independent Cost Analysis
3873.0 Flood Inundated Areas Street Rehab – Section 1
City of Minot, North Dakota**

The contractor requested that an allowance be made in the way the following bid items were completed:

- Bid Item # 9 – Removal of Hot Bituminous Pavement; original contract unit price - \$45/SY
- Bid Item # 20 – Adjust Manhole; original contract unit price - \$600/EA

Bid item #9 requires the removal of the asphalt pavement and aggregate base. The contractor has proposed to only remove the asphalt and leave the aggregate base in place. This will be allowed assuming the actual condition of the existing aggregate material is in relatively good shape as determined by the engineer. As a result a cost savings should be realized due to less work.

Bid Item #20 requires the adjustment of the frame and cover of a manhole to account for the asphalt overlay. Typically work includes excavating the material (asphalt in this case) around the manhole frame and cover to raise it by adding adjusting rings. The contractor proposed to use a manufactured adjusting ring installed inside of the existing frame that allows the cover of the manhole to be set at a raised elevation to match the proposed asphalt overlay. There is an expected cost savings in this process as it will take less time to adjust the manholes with this method.

In order to realize the cost savings, new items should be added to the contract with reduced unit prices. The expected cost savings should be half the original unit bid items as it will require about half the time to complete the work and the material costs are offset or nonexistent.