

Project: 3873.1
City of Minot,
North Dakota
Change Order

No. 6

Date of Issuance: December 1, 2015

Effective Date: December 1, 2015

Project: 16Th Ave, 46th St, 14Th Ave Rebuild & 16th Ave Water line	Owner: City of Minot	Owner's Contract No.: 3873.1
Contract: 16Th Ave, 46th St, 14Th Ave Rebuild & 16th Ave Water line		Date of Contract: 9 April 2015
Contractor: Wagner Construction		Engineer's Project No. R14090.01

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

Many areas contained little to no existing topsoil as expected. The actual amount of existing topsoil to be salvaged and respread was 281 CY instead of the plan quantity of 1,124 CY. As a result, additional topsoil was imported to provide a total of 4" to 6" of topsoil over the all disturbed areas. The additional topsoil amounted to 1242 CY. Changes to the contract include a deduction of 843 CY of topsoil at the contract unit price of \$5.00/CY and the addition of 1242 CY topsoil (imported) at the accepted unit price of \$21.00/CY. Net change to the contract is an increase of \$21,867.00.

Attachments: (List documents supporting change): Submitted Unit Price and Topsoil Tickets

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price: <u>\$2,103,067.00</u>	Original Contract Times: ☐ Working days ☒ Calendar date Substantial completion (days or date): <u>October 16, 2015</u> Ready for final payment (days or date): <u>November 2, 2015</u>
[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>5</u> : <u>\$88,463.86</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>5</u> : Substantial completion (days): <u>14 Calendar Days</u> Ready for final payment (days): <u>14 Calendar Days</u>
Contract Price prior to this Change Order: <u>\$2,191,530.86</u>	Contract Times prior to this Change Order: Substantial completion (days or date): <u>October 30, 2015</u> Ready for final payment (days or date): <u>November 16, 2015</u>
[Increase] [Decrease] of this Change Order: <u>\$21,867.00</u>	[Increase] [Decrease] of this Change Order: Substantial completion (days or date): <u>0</u> Ready for final payment (days or date): <u>0</u>
Contract Price incorporating this Change Order: <u>\$2,213,397.86</u>	Contract Times with all approved Change Orders: Substantial completion (days or date): <u>October 30, 2015</u> Ready for final payment (days or date): <u>November 16, 2015</u>

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 12/1/15

Approved by Funding Agency (if applicable): _____

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 12/7/15

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 12/01/15

Date: _____



Work Change Directive/Work Order

Engineer/Owner Ackerman-Estvold/City of Minot
Wagner Project Number/Name 16th Rebuild (Minot#3873.1)
Date: September 28, 2015
Work Change Directive Number: Wagner CO#17

Description of Added/ Modified Work:

Imported Topsoil & Placement

Entire project lacked the topsoil to replace at a depth of 6". Imported topsoil was needed to finish all boulevards and front yards.

There was 281 CY's of stripped topsoil & placed at Bid Item #23 price of \$5.00 (281 x \$5.00)=\$1405.00

Deduct to the contract would be 843 CY's of topsoil not on site (843 x \$5.00) = -4,215.00

Submitted By	Work Requested By:
Matt Guerton	Ackerman-Estvold

Description Labor:	# Men	Qty.	Units	Rate	Total Hours

Description Equipment:	Unit#	Qty.	Units	Unit Price	Total

Description Materials:	Qty.	Units	Unit Price	Total
Topsoil Import and Placement	1242.0	CY's	\$21.00	\$26,082.00

Misc/Dumpfees/Survey/Q/C Testing/	Qty.	Units	Unit Price	Total
Total:				\$26,082.00

Wagner Rep. _____ Date: _____ Owner Rep: _____ Date: _____



September 11, 2015
Ackerman, Estvold
1907 17th Street SE
Minot, ND 58701

Project Name: 16th Ave, 46th St and 14th Ave SE Rebuild
Project Number: 3873.1
Project Owner: City of Minot
Project Engineer: Tim Arens

Re: Topsoil Stripping and Re-Spread

Tim-

This letter is to inform you that there is a lack of topsoil on the above referenced project. Wagner Construction has striped, hauled and stockpiled all topsoil as denoted on the plans. Wagner is requesting that additional monies be allocated through Change Order to import the additional topsoil needed to complete the restoration of this project. Wagner is requesting that topsoil be paid for at a price of \$21.00 per cubic yard. This money will cover import and placement. The topsoil yield can be tracked in the field and paid in full once the entire project is restored. Please let me know at your soonest convenience if this is the avenue Public Works would like to pursue.

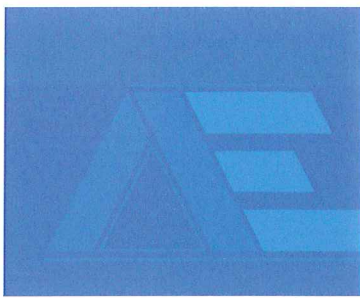
If there are any questions or concerns, please feel free to call me at any time. (218) 240-9045

Sincerely,

A handwritten signature in blue ink, appearing to read 'Matt Guerton', written over a horizontal line.

Matt Guerton
Project Manager

WAGNER CONSTRUCTION, INC.
P.O. Box B • So. INTERNATIONAL FALLS, MIN 56679
3151 HWY 53 • INTERNATIONAL FALLS, MIN 56649
[P] 218.283.3700 [F] 218.283.1043



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

September 11, 2015

Mr. Ben Cofell
City of Minot
1025 31st St. SE
Minot, ND 58701

**RE: Change Order #6– Cost Justification for Imported Topsoil
Project 3873.1 - 16th Ave, 46th St and 14th Ave SE Rebuild**

This cost justification analysis includes the addition of imported topsoil to supplement the existing topsoil that was insufficient on the project. The amount of salvaged topsoil was only 281 CY compared to the plan of 1,284 CY of topsoil due to little to no topsoil in many areas.

The submitted unit price of \$21.00/CY compares favorably to the following: 2015 NDDOT average unit bid price of \$26.94/CY and the average submitted bid price of \$19.56/CY for the bid opening for City of Minot project #3982 – Paving District 494.

After thorough review of the contractor's submitted price and the comparison to related projects and costs, it is recommended that the additional topsoil be authorized via a change order to Wagner Construction as the most time and cost effective option.

Sincerely,



Timothy Arens, PE
Project Manager
Ackerman-Estvold



September 11, 2015
Ackerman, Estvold
1907 17th Street SE
Minot, ND 58701

Project Name: 16th Ave, 46th St and 14th Ave SE Rebuild
Project Number: 3873.1
Project Owner: City of Minot
Project Engineer: Tim Arens

Re: Topsoil Stripping and Re-Spread

Tim-

This letter is to inform you that there is a lack of topsoil on the above referenced project. Wagner Construction has striped, hauled and stockpiled all topsoil as denoted on the plans. Wagner is requesting that additional monies be allocated through Change Order to import the additional topsoil needed to complete the restoration of this project. Wagner is requesting that topsoil be paid for at a price of \$21.00 per cubic yard. This money will cover import and placement. The topsoil yield can be tracked in the field and paid in full once the entire project is restored. Please let me know at your soonest convenience if this is the avenue Public Works would like to pursue.

If there are any questions or concerns, please feel free to call me at any time. (218) 240-9045

Sincerely,

A handwritten signature in blue ink, appearing to read 'Matt Guerton', written over a horizontal line.

Matt Guerton
Project Manager

WAGNER CONSTRUCTION, INC.
P.O. Box B • So. INTERNATIONAL FALLS, MIN 56679
3151 HWY 53 • INTERNATIONAL FALLS, MIN 56649
[P] 218.283.3700 [F] 218.283.1043

NDOT Average Unit Bid Prices

Spec	Code	Unit	Description	2015 Average	2014 Average	2013 Average	2012 Average	2011 Average	2010 Average
203	115	CY	CLAY EXCAVATION	0.00	0.00	0.00	0.00	0.00	0.00
203	116	CY	TOPSOIL MANDATORY BORROW AREA	0.00	0.00	0.00	0.00	0.00	0.00
203	117	CY	MANDATORY BORROW	0.00	0.00	0.00	0.00	0.00	0.00
203	118	LF	TOPSOIL-PLACEMENT	0.00	0.00	0.00	0.00	0.00	0.00
203	119	CY	TOPSOIL-IMPORTED	26.94	20.85	15.96	13.17	12.11	6.75
203	120	CY	SHALE EXCAVATION	0.00	0.00	0.00	0.00	0.00	0.00
203	121	CY	TOPSOIL-WETLAND	17.36	11.68	6.53	8.37	5.88	4.80
203	123	MILE	REMOVE & SALVAGE TOPSOIL	0.00	0.00	0.00	0.00	0.00	0.00

55th Crossing West Street Improvements Paving District 494

City of Minot, North Dakota

Bid Opening: Wednesday, April 29, 2015 11:00 AM

AE Project Number: R12046.06

Contractor	Section 3	Bid Bond	Contractor's License	Acknowledgement of Addendum #1	Acknowledgement of Addendum #2	Total Bid
Bechtold Paving, Inc.	x	x	x	x	x	\$ 2,924,242.50
Keller Paving & Landscaping, Inc.	x	x	x	x	x	\$ 2,576,435.00
Minot Paving Co., Inc.	x	x	x	x	x	\$ 2,868,796.25
Wagner Construction			x	x	x	\$ 2,980,246.25
Engineer's Estimate						\$ 3,092,442.50

*Highlighted area denotes incorrect calculation.



Ackerman-Estvold

1907 17th Street Southeast

Minot, ND 58701

Ph: (701) 837-8737

Fax: (701) 837-1990

Respectfully Submitted By:

Patrick Samson

Topsoil (Import) Avg Bid Price:

$$\frac{\$7 + \$16.25 + \$25 + \$30}{4} = \$19.56/cy$$

Bid Tabulations
55th Crossing West Street Improvements Paving District 494
City of Minot North Dakota
Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 2 of 4

R12046.06

				Engineer's Estimate		Keller Paving & Landscaping, Inc.	
Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Unit Price	Subtotal
	<u>General Items</u>						
1	General Conditions	1	LS	\$50,000.00	\$ 50,000.00	\$ 25,000.00	\$ 25,000.00
2	Traffic Control	1	LS	\$15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00
3	Materials Testing	1	LS	\$20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00
	<u>Earthwork Items</u>						
4	Topsoil (Import)	6,000	CY	\$15.00	\$ 90,000.00	\$ 7.00	\$ 42,000.00
5	Excavation/ Embankment	3,500	CY	\$10.00	\$ 35,000.00	\$ 8.00	\$ 28,000.00
6	Hydro-Seeding	7.50	AC	\$6,000.00	\$ 45,000.00	\$ 7,500.00	\$ 56,250.00
7	Erosion Control	1.00	LS	\$20,000.00	\$ 20,000.00	\$ 25,000.00	\$ 25,000.00
	<u>Pavement Items</u>						
8	Type-I Curb and Gutter	17,670	LF	\$22.00	\$ 388,740.00	\$ 18.50	\$ 326,895.00
9	Sidewalk (16th Only)	4,500	SY	\$60.00	\$ 270,000.00	\$ 60.00	\$ 270,000.00
10	Class 5 Aggregate Base	7,000	TONS	\$25.00	\$ 175,000.00	\$ 25.00	\$ 175,000.00
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$78.00	\$ 444,600.00	\$ 62.00	\$ 353,400.00
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$78.00	\$ 358,800.00	\$ 62.00	\$ 285,200.00
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$78.00	\$ 62,400.00	\$ 65.00	\$ 52,000.00
14	PG 58-28 oil	680	TONS	\$650.00	\$ 442,000.00	\$ 600.00	\$ 408,000.00
15	Subgrade Preparation	50,000	SY	\$5.00	\$ 250,000.00	\$ 1.50	\$ 75,000.00
16	Truncated Dome Panel	270	SF	\$25.00	\$ 6,750.00	\$ 50.00	\$ 13,500.00
	<u>Street Sign and Pavement Markings</u>						
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$250.00	\$ 3,000.00	\$ 275.00	\$ 3,300.00
18	Street Blade Sign (Including Post)	44	EA	\$200.00	\$ 8,800.00	\$ 125.00	\$ 5,500.00
19	24" Stop Bar, White	30	LF	\$30.00	\$ 900.00	\$ 25.00	\$ 750.00
20	8" Lane Line, White	250	LF	\$2.00	\$ 500.00	\$ 10.00	\$ 2,500.00
21	4" Lane Line, Yellow	9250	LF	\$1.00	\$ 9,250.00	\$ 0.50	\$ 4,625.00
22	Pavement Marking Symbols, White Arrow	33	SF	\$30.00	\$ 990.00	\$ 25.00	\$ 825.00
	<u>Street Light Items</u>						
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$80,000.00	\$ 80,000.00	\$ 40,000.00	\$ 40,000.00
	<u>Street Light Items</u>						
24	Type A Poles/Fixtures	37	EA	\$2,400.00	\$ 88,800.00	\$ 2,600.00	\$ 96,200.00
25	Type C Poles/Fixtures	16	EA	\$4,200.00	\$ 67,200.00	\$ 4,200.00	\$ 67,200.00
26	#2 AWG 120/240 Circuitry	1375	LF	\$8.50	\$ 11,687.50	\$ 10.00	\$ 13,750.00
27	#4 AWG 120/240 Circuitry	6900	LF	\$5.50	\$ 37,950.00	\$ 6.50	\$ 44,850.00
28	240+EGC Circuitry	4410	LF	\$5.50	\$ 24,255.00	\$ 5.00	\$ 22,050.00
29	2" Conduit	1195	LF	\$12.00	\$ 14,340.00	\$ 17.00	\$ 20,315.00
30	Pull Box	2	EA	\$1,500.00	\$ 3,000.00	\$ 1,500.00	\$ 3,000.00
31	Trenching	9445	LF	\$4.00	\$ 37,780.00	\$ 5.00	\$ 47,225.00
32	New Type IV Feedpoint	2	EA	\$9,000.00	\$ 18,000.00	\$ 11,000.00	\$ 22,000.00
33	Spare Type A Pole	4	EA	\$800.00	\$ 3,200.00	\$ 750.00	\$ 3,000.00
34	Spare Type C Pole	2	EA	\$2,250.00	\$ 4,500.00	\$ 2,200.00	\$ 4,400.00
35	Spare Type A Luminaire	4	EA	\$1,000.00	\$ 4,000.00	\$ 1,000.00	\$ 4,000.00
36	Spare Type C Luminaire	2	EA	\$500.00	\$ 1,000.00	\$ 350.00	\$ 700.00
					\$ 3,092,442.50	\$2,576,435.00	

Bid Tabulations
 55th Crossing West Street Improvements Paving District 494
 City of Minot North Dakota
 Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 3 of 4

R12046.06

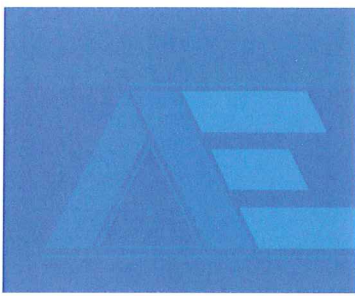
				Minot Paving Co., Inc		Bechtold Paving, Inc.	
Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Unit Price	Subtotal
	General Items						
1	General Conditions	1	LS	\$94,500.00	\$ 94,500.00	\$ 295,000.00	\$ 295,000.00
2	Traffic Control	1	LS	\$8,000.00	\$ 8,000.00	\$ 3,000.00	\$ 3,000.00
3	Materials Testing	1	LS	\$35,000.00	\$ 35,000.00	\$ 32,000.00	\$ 32,000.00
	Earthwork Items						
4	Topsoil (Import)	6,000	CY	\$16.25	\$ 97,500.00	\$ 25.00	\$ 150,000.00
5	Excavation/ Embankement	3,500	CY	\$15.75	\$ 55,125.00	\$ 20.00	\$ 70,000.00
6	Hydro-Seeding	7.50	AC	\$5,000.00	\$ 37,500.00	\$ 4,800.00	\$ 36,000.00
7	Erosion Control	1.00	LS	\$17,500.00	\$ 17,500.00	\$ 2,500.00	\$ 2,500.00
	Pavement Items						
8	Type-I Curb and Gutter	17,670	LF	\$21.00	\$ 371,070.00	\$ 18.00	\$ 318,060.00
9	Sidewalk (16th Only)	4,500	SY	\$49.00	\$ 220,500.00	\$ 38.85	\$ 174,825.00
10	Class 5 Aggregate Base	7,000	TONS	\$31.00	\$ 217,000.00	\$ 31.00	\$ 217,000.00
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$81.00	\$ 461,700.00	\$ 66.00	\$ 376,200.00
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$84.00	\$ 386,400.00	\$ 66.00	\$ 303,600.00
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$96.00	\$ 76,800.00	\$ 85.00	\$ 68,000.00
14	PG 58-28 oil	680	TONS	\$500.00	\$ 340,000.00	\$ 560.00	\$ 380,800.00
15	Subgrade Preparation	50,000	SY	\$0.62	\$ 31,000.00	\$ 1.85	\$ 92,500.00
16	Truncated Dome Panel	270	SF	\$60.00	\$ 16,200.00	\$ 40.50	\$ 10,935.00
	Street Sign and Pavement Markings						
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$270.00	\$ 3,240.00	\$ 260.00	\$ 3,120.00
18	Street Blade Sign (Including Post)	44	EA	\$105.00	\$ 4,620.00	\$ 100.00	\$ 4,400.00
19	24" Stop Bar, White	30	LF	\$33.00	\$ 990.00	\$ 32.00	\$ 960.00
20	8" Lane Line, White	250	LF	\$0.45	\$ 112.50	\$ 0.45	\$ 112.50
21	4" Lane Line, Yellow	9250	LF	\$0.22	\$ 2,035.00	\$ 0.20	\$ 1,850.00
22	Pavement Marking Symbols, White Arrow	33	SF	\$37.00	\$ 1,221.00	\$ 35.00	\$ 1,155.00
	Street Light Items						
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$52,000.00	\$ 52,000.00	\$ 60,000.00	\$ 60,000.00
	Street Light Items						
24	Type A Poles/Fixtures	37	EA	\$2,575.00	\$ 95,275.00	\$ 2,440.00	\$ 90,280.00
25	Type C Poles/Fixtures	16	EA	\$4,050.00	\$ 64,800.00	\$ 3,855.00	\$ 61,680.00
26	#2 AWG 120/240 Circuitry	1375	LF	\$9.50	\$ 13,062.50	\$ 9.00	\$ 12,375.00
27	#4 AWG 120/240 Circuitry	6900	LF	\$6.25	\$ 43,125.00	\$ 6.00	\$ 41,400.00
28	240+EGC Circuitry	4410	LF	\$5.00	\$ 22,050.00	\$ 4.70	\$ 20,727.00
29	2" Conduit	1195	LF	\$16.25	\$ 19,418.75	\$ 15.50	\$ 18,522.50
30	Pull Box	2	EA	\$1,450.00	\$ 2,900.00	\$ 1,390.00	\$ 2,780.00
31	Trenching	9445	LF	\$4.70	\$ 44,391.50	\$ 4.50	\$ 42,502.50
32	New Type IV Feedpoint	2	EA	\$11,000.00	\$ 22,000.00	\$ 10,375.00	\$ 20,750.00
33	Spare Type A Pole	4	EA	\$730.00	\$ 2,920.00	\$ 695.00	\$ 2,780.00
34	Spare Type C Pole	2	EA	\$2,050.00	\$ 4,100.00	\$ 1,955.00	\$ 3,910.00
35	Spare Type A Luminaire	4	EA	\$1,025.00	\$ 4,100.00	\$ 977.00	\$ 3,908.00
36	Spare Type C Luminaire	2	EA	\$320.00	\$ 640.00	\$ 305.00	\$ 610.00
					\$ 2,868,796.25	\$2,924,242.50	

Bid Tabulations
55th Crossing West Street Improvements Paving District 494
City of Minot North Dakota
Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 4 of 4

R12046.06

				Wagner Construction Inc.			
Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Unit Price	Subtotal
General Items							
1	General Conditions	1	LS	\$ 475,000.00	\$ 475,000.00	\$ -	\$ -
2	Traffic Control	1	LS	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -
3	Materials Testing	1	LS	\$ 30,000.00	\$ 30,000.00	\$ -	\$ -
Earthwork Items							
4	Topsoil (Import)	6,000	CY	\$ 30.00	\$ 180,000.00	\$ -	\$ -
5	Excavation/ Embankement	3,500	CY	\$ 5.00	\$ 17,500.00	\$ -	\$ -
6	Hydro-Seeding	7.50	AC	\$ 5,000.00	\$ 37,500.00	\$ -	\$ -
7	Erosion Control	1.00	LS	\$ 500.00	\$ 500.00	\$ -	\$ -
Pavement Items							
8	Type-I Curb and Gutter	17,670	LF	\$ 18.00	\$ 318,060.00	\$ -	\$ -
9	Sidewalk (16th Only)	4,500	SY	\$ 55.00	\$ 247,500.00	\$ -	\$ -
10	Class 5 Aggregate Base	7,000	TONS	\$ -	\$ -	\$ -	\$ -
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$ 70.00	\$ 399,000.00	\$ -	\$ -
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$ 70.00	\$ 322,000.00	\$ -	\$ -
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$ 100.00	\$ 80,000.00	\$ -	\$ -
14	PG 58-28 oil	680	TONS	\$ 560.00	\$ 380,800.00	\$ -	\$ -
15	Subgrade Preparation	50,000	SY	\$ 1.00	\$ 50,000.00	\$ -	\$ -
16	Truncated Dome Panel	270	SF	\$ 50.00	\$ 13,500.00	\$ -	\$ -
Street Sign and Pavement Markings							
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$ 250.00	\$ 3,000.00	\$ -	\$ -
18	Street Blade Sign (Including Post)	44	EA	\$ 100.00	\$ 4,400.00	\$ -	\$ -
19	24" Stop Bar, White	30	LF	\$ 10.00	\$ 300.00	\$ -	\$ -
20	8" Lane Line, White	250	LF	\$ 2.00	\$ 500.00	\$ -	\$ -
21	4" Lane Line, Yellow	9250	LF	\$ 0.50	\$ 4,625.00	\$ -	\$ -
22	Pavement Marking Symbols, White Arrow	33	SF	\$ 10.00	\$ 330.00	\$ -	\$ -
Street Light Items							
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -
Street Light Items							
24	Type A Poles/Fixtures	37	EA	\$ 2,500.00	\$ 92,500.00	\$ -	\$ -
25	Type C Poles/Fixtures	16	EA	\$ 4,000.00	\$ 64,000.00	\$ -	\$ -
26	#2 AWG 120/240 Circuitry	1375	LF	\$ 8.75	\$ 12,031.25	\$ -	\$ -
27	#4 AWG 120/240 Circuitry	6900	LF	\$ 6.00	\$ 41,400.00	\$ -	\$ -
28	240+EGC Circuitry	4410	LF	\$ 5.00	\$ 22,050.00	\$ -	\$ -
29	2" Conduit	1195	LF	\$ 15.00	\$ 17,925.00	\$ -	\$ -
30	Pull Box	2	EA	\$ 2,000.00	\$ 4,000.00	\$ -	\$ -
31	Trenching	9445	LF	\$ 5.00	\$ 47,225.00	\$ -	\$ -
32	New Type IV Feedpoint	2	EA	\$ 13,000.00	\$ 26,000.00	\$ -	\$ -
33	Spare Type A Pole	4	EA	\$ 700.00	\$ 2,800.00	\$ -	\$ -
34	Spare Type C Pole	2	EA	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -
35	Spare Type A Luminaire	4	EA	\$ 1,200.00	\$ 4,800.00	\$ -	\$ -
36	Spare Type C Luminaire	2	EA	\$ 500.00	\$ 1,000.00	\$ -	\$ -
					\$ 2,980,246.25	\$ -	



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

MEMORANDUM

To: Ben Cofell, City of Minot

From: Ackerman-Estvold

Date: September 10, 2015

Re: Change Order #6 – Justification for Change and Independent Cost Estimate
Project 3873.1 - 16th Ave, 46th St and 14th Ave SE Rebuild

Little to no existing topsoil was found in locations starting with the waterline excavation and continuing to the roadway widening. Once all topsoil was stripped, it was determined that there was only 281 CY of the planned total of 1,124 CY of topsoil that was available to respread at the desired minimum depth of 6".

In order to establish and maintain a healthy stand of grass, it is recommended that 4" to 6" of topsoil be placed. Therefore, additional topsoil will need to be imported onto the site. The estimate quantity is the difference between plan quantity of 1,124 CY and the actual amount salvaged of 281 CY. This is 843 CY that will need to be imported.

The estimated cost of \$23.00/CY to import topsoil is based on the following: 2015 NDDOT average unit bid price of \$26.94/CY and the average submitted bid price of \$19.56/CY for the bid opening for City of Minot project #3982 – Paving District 494. Total estimated cost for the imported topsoil item is \$19,389.00 but that will be offset by the deduction of 843 CY at the contract cost of \$5.00/CY or \$4,215.00. Net change to contract is expected to be \$15,174.00.

NDDOT Average Unit Bid Prices

Spec	Code	Unit	Description	2015 Average	2014 Average	2013 Average	2012 Average	2011 Average	2010 Average
203	115	CY	CLAY EXCAVATION	0.00	0.00	0.00	0.00	0.00	0.00
203	116	CY	TOPSOIL MANDATORY BORROW AREA	0.00	0.00	0.00	0.00	0.00	0.00
203	117	CY	MANDATORY BORROW	0.00	0.00	0.00	0.00	0.00	0.00
203	118	LF	TOPSOIL-PLACEMENT	0.00	0.00	0.00	0.00	0.00	0.00
203	119	CY	TOPSOIL-IMPORTED	26.94	20.85	15.96	13.17	12.11	6.75
203	120	CY	SHALE EXCAVATION	0.00	0.00	0.00	0.00	0.00	0.00
203	121	CY	TOPSOIL-WETLAND	17.36	11.68	6.53	8.37	5.88	4.80
203	123	MILE	REMOVE & SALVAGE TOPSOIL	0.00	0.00	0.00	0.00	0.00	0.00

55th Crossing West Street Improvements Paving District 494
 City of Minot, North Dakota
 Bid Opening: Wednesday, April 29, 2015 11:00 AM
 AE Project Number: R12046.06

Contractor	Section 3	Bid Bond	Contractor's License	Acknowledgement of Addendum #1	Acknowledgement of Addendum #2	Total Bid
Bechtold Paving, Inc.	x	x	x	x	x	\$ 2,924,242.50
Keller Paving & Landscaping, Inc.	x	x	x	x	x	\$ 2,576,435.00
Minot Paving Co., Inc.	x	x	x	x	x	\$ 2,868,796.25
Wagner Construction			x	x	x	\$ 2,980,246.25
Engineer's Estimate						\$ 3,092,442.50

*Highlighted area denotes incorrect calculation.



Ackerman-Estvold

1907 17th Street Southeast

Minot, ND 58701

Ph: (701) 837-8737

Fax: (701) 837-1990

Respectfully Submitted By:

Patrick Samson

Topsoil (Import) Avg Bid Price:

$$\frac{\$7 + \$16.25 + \$25 + \$30}{4} = \$19.56/cy$$

Bid Tabulations
55th Crossing West Street Improvements Paving District 494
City of Minot North Dakota
Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 2 of 4

R12046.06

Item No.	Description	Quantity	Unit	Engineer's Estimate		Keller Paving & Landscaping, Inc.	
				Unit Price	Subtotal	Unit Price	Subtotal
	General Items						
1	General Conditions	1	LS	\$50,000.00	\$ 50,000.00	\$ 25,000.00	\$ 25,000.00
2	Traffic Control	1	LS	\$15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00
3	Materials Testing	1	LS	\$20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00
	Earthwork Items						
4	Topsoil (Import)	6,000	CY	\$15.00	\$ 90,000.00	\$ 7.00	\$ 42,000.00
5	Excavation/ Embankment	3,500	CY	\$10.00	\$ 35,000.00	\$ 8.00	\$ 28,000.00
6	Hydro-Seeding	7.50	AC	\$6,000.00	\$ 45,000.00	\$ 7,500.00	\$ 56,250.00
7	Erosion Control	1.00	LS	\$20,000.00	\$ 20,000.00	\$ 25,000.00	\$ 25,000.00
	Pavement Items						
8	Type-I Curb and Gutter	17,670	LF	\$22.00	\$ 388,740.00	\$ 18.50	\$ 326,895.00
9	Sidewalk (16th Only)	4,500	SY	\$60.00	\$ 270,000.00	\$ 60.00	\$ 270,000.00
10	Class 5 Aggregate Base	7,000	TONS	\$25.00	\$ 175,000.00	\$ 25.00	\$ 175,000.00
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$78.00	\$ 444,600.00	\$ 62.00	\$ 353,400.00
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$78.00	\$ 358,800.00	\$ 62.00	\$ 285,200.00
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$78.00	\$ 62,400.00	\$ 65.00	\$ 52,000.00
14	PG 58-28 oil	680	TONS	\$650.00	\$ 442,000.00	\$ 600.00	\$ 408,000.00
15	Subgrade Preparation	50,000	SY	\$5.00	\$ 250,000.00	\$ 1.50	\$ 75,000.00
16	Truncated Dome Panel	270	SF	\$25.00	\$ 6,750.00	\$ 50.00	\$ 13,500.00
	Street Sign and Pavement Markings						
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$250.00	\$ 3,000.00	\$ 275.00	\$ 3,300.00
18	Street Blade Sign (Including Post)	44	EA	\$200.00	\$ 8,800.00	\$ 125.00	\$ 5,500.00
19	24" Stop Bar, White	30	LF	\$30.00	\$ 900.00	\$ 25.00	\$ 750.00
20	8" Lane Line, White	250	LF	\$2.00	\$ 500.00	\$ 10.00	\$ 2,500.00
21	4" Lane Line, Yellow	9250	LF	\$1.00	\$ 9,250.00	\$ 0.50	\$ 4,625.00
22	Pavement Marking Symbols, White Arrow	33	SF	\$30.00	\$ 990.00	\$ 25.00	\$ 825.00
	Street Light Items						
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$80,000.00	\$ 80,000.00	\$ 40,000.00	\$ 40,000.00
	Street Light Items						
24	Type A Poles/Fixtures	37	EA	\$2,400.00	\$ 88,800.00	\$ 2,600.00	\$ 96,200.00
25	Type C Poles/Fixtures	16	EA	\$4,200.00	\$ 67,200.00	\$ 4,200.00	\$ 67,200.00
26	#2 AWG 120/240 Circuitry	1375	LF	\$8.50	\$ 11,687.50	\$ 10.00	\$ 13,750.00
27	#4 AWG 120/240 Circuitry	6900	LF	\$5.50	\$ 37,950.00	\$ 6.50	\$ 44,850.00
28	240+EGC Circuitry	4410	LF	\$5.50	\$ 24,255.00	\$ 5.00	\$ 22,050.00
29	2" Conduit	1195	LF	\$12.00	\$ 14,340.00	\$ 17.00	\$ 20,315.00
30	Pull Box	2	EA	\$1,500.00	\$ 3,000.00	\$ 1,500.00	\$ 3,000.00
31	Trenching	9445	LF	\$4.00	\$ 37,780.00	\$ 5.00	\$ 47,225.00
32	New Type IV Feedpoint	2	EA	\$9,000.00	\$ 18,000.00	\$ 11,000.00	\$ 22,000.00
33	Spare Type A Pole	4	EA	\$800.00	\$ 3,200.00	\$ 750.00	\$ 3,000.00
34	Spare Type C Pole	2	EA	\$2,250.00	\$ 4,500.00	\$ 2,200.00	\$ 4,400.00
35	Spare Type A Luminaire	4	EA	\$1,000.00	\$ 4,000.00	\$ 1,000.00	\$ 4,000.00
36	Spare Type C Luminaire	2	EA	\$500.00	\$ 1,000.00	\$ 350.00	\$ 700.00
				\$ 3,092,442.50		\$2,576,435.00	

Bid Tabulations
55th Crossing West Street Improvements Paving District 494
City of Minot North Dakota
Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 3 of 4

R12046.06

				Minot Paving Co., Inc		Bechtold Paving, Inc.	
Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Unit Price	Subtotal
General Items							
1	General Conditions	1	LS	\$94,500.00	\$ 94,500.00	\$ 295,000.00	\$ 295,000.00
2	Traffic Control	1	LS	\$8,000.00	\$ 8,000.00	\$ 3,000.00	\$ 3,000.00
3	Materials Testing	1	LS	\$35,000.00	\$ 35,000.00	\$ 32,000.00	\$ 32,000.00
Earthwork Items							
4	Topsoil (Import)	6,000	CY	\$16.25	\$ 97,500.00	\$ 25.00	\$ 150,000.00
5	Excavation/ Embankement	3,500	CY	\$15.75	\$ 55,125.00	\$ 20.00	\$ 70,000.00
6	Hydro-Seeding	7.50	AC	\$5,000.00	\$ 37,500.00	\$ 4,800.00	\$ 36,000.00
7	Erosion Control	1.00	LS	\$17,500.00	\$ 17,500.00	\$ 2,500.00	\$ 2,500.00
Pavement Items							
8	Type-I Curb and Gutter	17,670	LF	\$21.00	\$ 371,070.00	\$ 18.00	\$ 318,060.00
9	Sidewalk (16th Only)	4,500	SY	\$49.00	\$ 220,500.00	\$ 38.85	\$ 174,825.00
10	Class 5 Aggregate Base	7,000	TONS	\$31.00	\$ 217,000.00	\$ 31.00	\$ 217,000.00
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$81.00	\$ 461,700.00	\$ 66.00	\$ 376,200.00
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$84.00	\$ 386,400.00	\$ 66.00	\$ 303,600.00
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$96.00	\$ 76,800.00	\$ 85.00	\$ 68,000.00
14	PG 58-28 oil	680	TONS	\$500.00	\$ 340,000.00	\$ 560.00	\$ 380,800.00
15	Subgrade Preparation	50,000	SY	\$0.62	\$ 31,000.00	\$ 1.85	\$ 92,500.00
16	Truncated Dome Panel	270	SF	\$60.00	\$ 16,200.00	\$ 40.50	\$ 10,935.00
Street Sign and Pavement Markings							
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$270.00	\$ 3,240.00	\$ 260.00	\$ 3,120.00
18	Street Blade Sign (Including Post)	44	EA	\$105.00	\$ 4,620.00	\$ 100.00	\$ 4,400.00
19	24" Stop Bar, White	30	LF	\$33.00	\$ 990.00	\$ 32.00	\$ 960.00
20	8" Lane Line, White	250	LF	\$0.45	\$ 112.50	\$ 0.45	\$ 112.50
21	4" Lane Line, Yellow	9250	LF	\$0.22	\$ 2,035.00	\$ 0.20	\$ 1,850.00
22	Pavement Marking Symbols, White Arrow	33	SF	\$37.00	\$ 1,221.00	\$ 35.00	\$ 1,155.00
Street Light Items							
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$52,000.00	\$ 52,000.00	\$ 60,000.00	\$ 60,000.00
Street Light Items							
24	Type A Poles/Fixtures	37	EA	\$2,575.00	\$ 95,275.00	\$ 2,440.00	\$ 90,280.00
25	Type C Poles/Fixtures	16	EA	\$4,050.00	\$ 64,800.00	\$ 3,855.00	\$ 61,680.00
26	#2 AWG 120/240 Circuitry	1375	LF	\$9.50	\$ 13,062.50	\$ 9.00	\$ 12,375.00
27	#4 AWG 120/240 Circuitry	6900	LF	\$6.25	\$ 43,125.00	\$ 6.00	\$ 41,400.00
28	240+EGC Circuitry	4410	LF	\$5.00	\$ 22,050.00	\$ 4.70	\$ 20,727.00
29	2" Conduit	1195	LF	\$16.25	\$ 19,418.75	\$ 15.50	\$ 18,522.50
30	Pull Box	2	EA	\$1,450.00	\$ 2,900.00	\$ 1,390.00	\$ 2,780.00
31	Trenching	9445	LF	\$4.70	\$ 44,391.50	\$ 4.50	\$ 42,502.50
32	New Type IV Feedpoint	2	EA	\$11,000.00	\$ 22,000.00	\$ 10,375.00	\$ 20,750.00
33	Spare Type A Pole	4	EA	\$730.00	\$ 2,920.00	\$ 695.00	\$ 2,780.00
34	Spare Type C Pole	2	EA	\$2,050.00	\$ 4,100.00	\$ 1,955.00	\$ 3,910.00
35	Spare Type A Luminaire	4	EA	\$1,025.00	\$ 4,100.00	\$ 977.00	\$ 3,908.00
36	Spare Type C Luminaire	2	EA	\$320.00	\$ 640.00	\$ 305.00	\$ 610.00
					\$ 2,868,796.25	\$2,924,242.50	

Bid Tabulations
55th Crossing West Street Improvements Paving District 494
City of Minot North Dakota
Bid Opening: April 29, 2015 @ 11:00 AM

Pg. 4 of 4

R12046.06

Item No.	Description	Quantity	Unit	Wagner Construction Inc.		Unit Price	Subtotal
				Unit Price	Subtotal		
	General Items						
1	General Conditions	1	LS	\$ 475,000.00	\$ 475,000.00	\$ -	\$ -
2	Traffic Control	1	LS	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -
3	Materials Testing	1	LS	\$ 30,000.00	\$ 30,000.00	\$ -	\$ -
	Earthwork Items						
4	Topsoil (Import)	6,000	CY	\$ 30.00	\$ 180,000.00	\$ -	\$ -
5	Excavation/ Embankment	3,500	CY	\$ 5.00	\$ 17,500.00	\$ -	\$ -
6	Hydro-Seeding	7.50	AC	\$ 5,000.00	\$ 37,500.00	\$ -	\$ -
7	Erosion Control	1.00	LS	\$ 500.00	\$ 500.00	\$ -	\$ -
	Pavement Items						
8	Type-I Curb and Gutter	17,670	LF	\$ 18.00	\$ 318,060.00	\$ -	\$ -
9	Sidewalk (16th Only)	4,500	SY	\$ 55.00	\$ 247,500.00	\$ -	\$ -
10	Class 5 Aggregate Base	7,000	TONS	\$ -	\$ -	\$ -	\$ -
11	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$ 70.00	\$ 399,000.00	\$ -	\$ -
12	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$ 70.00	\$ 322,000.00	\$ -	\$ -
13	3" Class 27 Hot Bituminous Pavement (Bike Path)	800	TONS	\$ 100.00	\$ 80,000.00	\$ -	\$ -
14	PG 58-28 oil	680	TONS	\$ 560.00	\$ 380,800.00	\$ -	\$ -
15	Subgrade Preparation	50,000	SY	\$ 1.00	\$ 50,000.00	\$ -	\$ -
16	Truncated Dome Panel	270	SF	\$ 50.00	\$ 13,500.00	\$ -	\$ -
	Street Sign and Pavement Markings						
17	R1-1, 30" Stop Sign (Including Post)	12	EA	\$ 250.00	\$ 3,000.00	\$ -	\$ -
18	Street Blade Sign (Including Post)	44	EA	\$ 100.00	\$ 4,400.00	\$ -	\$ -
19	24" Stop Bar, White	30	LF	\$ 10.00	\$ 300.00	\$ -	\$ -
20	8" Lane Line, White	250	LF	\$ 2.00	\$ 500.00	\$ -	\$ -
21	4" Lane Line, Yellow	9250	LF	\$ 0.50	\$ 4,625.00	\$ -	\$ -
22	Pavement Marking Symbols, White Arrow	33	SF	\$ 10.00	\$ 330.00	\$ -	\$ -
	Street Light Items						
23	Gate Valve / Sewer Manhole / Catch Basin	1	LS	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -
	Street Light Items						
24	Type A Poles/Fixtures	37	EA	\$ 2,500.00	\$ 92,500.00	\$ -	\$ -
25	Type C Poles/Fixtures	16	EA	\$ 4,000.00	\$ 64,000.00	\$ -	\$ -
26	#2 AWG 120/240 Circuitry	1375	LF	\$ 8.75	\$ 12,031.25	\$ -	\$ -
27	#4 AWG 120/240 Circuitry	6900	LF	\$ 6.00	\$ 41,400.00	\$ -	\$ -
28	240+EGC Circuitry	4410	LF	\$ 5.00	\$ 22,050.00	\$ -	\$ -
29	2" Conduit	1195	LF	\$ 15.00	\$ 17,925.00	\$ -	\$ -
30	Pull Box	2	EA	\$ 2,000.00	\$ 4,000.00	\$ -	\$ -
31	Trenching	9445	LF	\$ 5.00	\$ 47,225.00	\$ -	\$ -
32	New Type IV Feedpoint	2	EA	\$ 13,000.00	\$ 26,000.00	\$ -	\$ -
33	Spare Type A Pole	4	EA	\$ 700.00	\$ 2,800.00	\$ -	\$ -
34	Spare Type C Pole	2	EA	\$ 2,500.00	\$ 5,000.00	\$ -	\$ -
35	Spare Type A Luminaire	4	EA	\$ 1,200.00	\$ 4,800.00	\$ -	\$ -
36	Spare Type C Luminaire	2	EA	\$ 500.00	\$ 1,000.00	\$ -	\$ -
					\$ 2,980,246.25		\$ -