

Change Order

No. 2

Date of Issuance: November 23, 2015

Effective Date: November 23, 2015

Project: Paving District 494 55 th Crossing West	Owner: City of Minot	Owner's Contract No.: 3982
Contract: Paving District 494 55 th Crossing West		Date of Contract: June 18, 2015
Contractor: Keller Paving and Landscaping, Inc		Engineer's Project No.: 12-046.06

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

Description: Add internal chimney seals to 15 sanitary manholes at \$775.00 per manhole.

Attachments: (List documents supporting change):

Memo on cost comparison

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 2,576,435.00

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

\$ 66,025

Contract Price prior to this Change Order:

\$ 2,642,460.00

[Increase] [Decrease] of this Change Order:

\$ 11,625

Contract Price incorporating this Change Order:

\$ 2,665,085.00

CHANGE IN CONTRACT TIMES:

Original Contract Times: ☐ Working days ☐ Calendar days

Substantial completion (days or date): November 1, 2015

Ready for final payment (days or date): November 15, 2015

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

Substantial completion (days): 0

Ready for final payment (days): 0

Contract Times prior to this Change Order:

Substantial completion (days or date): November 1, 2015

Ready for final payment (days or date): November 15, 2015

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): 0

Ready for final payment (days or date): 30

Contract Times with all approved Change Orders:

Substantial completion (days or date): November 1, 2015

Ready for final payment (days or date): December 15, 2015

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 11-23-15

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 12/1/15

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 11/23/2015

Approved by Funding Agency (if applicable)

Date

Bid Tabulations
55th Crossing West Street & Utility Improvements
Minot, North Dakota
Bid Opening: May 30, 2014 @ 11:00 AM

Engineer's Estimate Phase 1: \$5,238,075.00
Engineer's Estimate Phase 2: \$2,521,493.50

	Base Bid - Phase I	Alternate Bid - Phase 2
J.R. Ferche	\$6,237,200.00	\$2,593,723.75
Quam Construction Company, Inc.	\$6,190,719.00	\$2,334,761.75
Wagner Construction	\$5,598,920.00	\$2,385,151.00



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

MEMORANDUM

To: Lance Meyer, PE, City of Minot

Cc: Jacqueline Aucker, EI, Assistant City Engineer, City of Minot

From: Patrick D. Samson, PE, Ackerman-Estvold

Date: November 23, 2015

Re: 55th Crossing West – Paving District 494
Cost Justification for Change Order #2

Change Order #2 is being issued at the request of the City based on the final walk through inspection. At the time of inspection, the sanitary manholes were opened and inspected to verify that they were adjusted properly to final grade. At the time, Ben asked if the chimney seals had been installed and the contractor noted that they were not provided with the castings (55th Crossing CDBG project) and not part of the paving bid. Based on our discussions with the City, this was likely missed when the paving was separated out to the CDBG project.

The purpose of this memo is to provide a price justification for the change order.

Chimney Seal:

The Contractor has proposed to complete this work for a unit price of \$775.00 per each chimney seal installed. The contractor is proposing to install internal chimney seals so that the new pavement won't need to be open cut and patched at each manhole. The item was part of the original 55th Crossing CDBG project with the bid price ranging from \$450.00 each to \$950.00 each with the low bid contractor having a price of \$750.00 each.

The price proposed by the Contractor falls within the range of recent bids for similar work and will eliminate the need to cut and patch asphalt which would further increase the cost.

Result = Increase of \$11,625.00 (15 @ \$775.00)

May 30, 2014
Previous bids are as follows:

Quem Construction -	\$950.00
J.R Ferche -	\$450.00
Wagner -	\$750.00
Engineer Estimate	\$600.00

Using in situ concrete
also means no mobilization
costs.

Minot, ND | Williston, ND

RECEIVED NOV 30 2015

Proposal Submitted To:

Ackerman-Estvold

Proposal Submitted By:

Justin Thurn

We hereby submit specifications and estimates for: Sanitary Manhole Chimney Seals	Amount
Sanitary Manhole Chimney Seals Change Order Work shall consist of: Installing internal chimney seals on 15 sanitary sewer manholes	\$775.00 each
We propose to furnish the above described work for the sum of: Total	\$11,625.00

Proposal Includes

All material and labor as required in accordance with the above specifications. All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workers Compensation Insurance.

Payment due within 7 days of invoice.

Authorized Signature: _____

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. Note: This proposal may be withdrawn by us if not accepted within 14 days.

Date: _____

Signature of Acceptance: _____

A FINANCE CHARGE OF 1.5% PER MONTH - ANNUAL RATE 18% WILL BE CHARGED ON AMOUNTS NOT PAID BY DUE DATE

Bid Tabulations
55th Crossing West Street & Utility Improvements
Minot, North Dakota
Bid Opening: May 30, 2014 @ 11:00 AM

R12046.03

Base Bid - Phase I				Engineer's Estimate		Quam Construction	
Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Unit Price	Subtotal
General Items							
1	General Conditions	1	LS	\$250,000.00	\$ 250,000.00	\$ 265,000.00	\$ 265,000.00
2	Traffic Control	1	LS	\$10,000.00	\$ 10,000.00	\$ 11,000.00	\$ 11,000.00
3	Materials Testing	1	LS	\$35,000.00	\$ 35,000.00	\$ 15,000.00	\$ 15,000.00
Removals							
4	4" Asphalt Pavement	3,050	SY	\$3.00	\$ 9,150.00	\$ 3.30	\$ 10,065.00
5	Concrete Pavment	450	SY	\$8.00	\$ 3,600.00	\$ 11.00	\$ 4,950.00
6	Gravel Pavement (Salvage)	36,500	TON	\$3.00	\$ 109,500.00	\$ 8.00	\$ 292,000.00
7	Water Service Removed to Main & Capped	19	EA	\$850.00	\$ 16,150.00	\$ 550.00	\$ 10,450.00
8	Water Service (partial)	37	EA	\$550.00	\$ 20,350.00	\$ 650.00	\$ 24,050.00
9	Sanitary Sewer Service (to main & plugged)	29	EA	\$1,000.00	\$ 29,000.00	\$ 1,400.00	\$ 40,600.00
10	Sanitary Sewer Sewer (partial)	27	EA	\$850.00	\$ 22,950.00	\$ 1,600.00	\$ 43,200.00
11	15" CMP Culvert	95	EA	\$200.00	\$ 19,000.00	\$ 185.00	\$ 17,575.00
12	18" CMP Culvert	57	EA	\$250.00	\$ 14,250.00	\$ 240.00	\$ 13,680.00
13	24" CMP Culvert	9	EA	\$300.00	\$ 2,700.00	\$ 575.00	\$ 5,175.00
14	36" CMP Culvert	16	EA	\$350.00	\$ 5,600.00	\$ 850.00	\$ 13,600.00
15	Fire Hydrant	3	EA	\$1,500.00	\$ 4,500.00	\$ 525.00	\$ 1,575.00
16	Street Signs	45	EA	\$50.00	\$ 2,250.00	\$ 100.00	\$ 4,500.00
17	Chain Link Fence	2,210	LF	\$2.50	\$ 5,525.00	\$ 4.40	\$ 9,724.00
18	Trash Enclosure	3	EA	\$2,400.00	\$ 7,200.00	\$ 330.00	\$ 990.00
Water Items							
19	1" Copper Water Service, Complete	95	EA	\$1,500.00	\$ 142,500.00	\$ 3,180.00	\$ 302,100.00
20	Curb Stop	35	EA	\$800.00	\$ 28,000.00	\$ 350.00	\$ 12,250.00
21	6" C-900 Water Main (DR-18)	30	LF	\$50.00	\$ 1,500.00	\$ 75.00	\$ 2,250.00
22	8" C-900 Water Main (DR-18)	500	LF	\$60.00	\$ 30,000.00	\$ 78.00	\$ 39,000.00
23	6" Gate Valve, Riser & Box	8	EA	\$2,000.00	\$ 16,000.00	\$ 1,500.00	\$ 12,000.00
24	8" Gate Valve, Riser & Box	1	EA	\$3,000.00	\$ 3,000.00	\$ 2,050.00	\$ 2,050.00
25	Relocate Ex. Fire Hydrant	4	EA	\$2,800.00	\$ 11,200.00	\$ 3,685.00	\$ 14,740.00
26	Fire Hydrant	8	EA	\$5,500.00	\$ 44,000.00	\$ 4,750.00	\$ 38,000.00
27	8"x6" DI Tee	1	EA	\$500.00	\$ 500.00	\$ 610.00	\$ 610.00
28	8" DI Bend	1	EA	\$450.00	\$ 450.00	\$ 425.00	\$ 425.00
29	8" Wet Tap w/ Valve	6	EA	\$4,250.00	\$ 25,500.00	\$ 6,195.00	\$ 37,170.00
30	6" Wet Tap w/ Valve	5	EA	\$3,750.00	\$ 18,750.00	\$ 5,420.00	\$ 27,100.00
31	8" Water Cap	6	EA	\$500.00	\$ 3,000.00	\$ 300.00	\$ 1,800.00
Sanitary Sewer Items							
32	8" PVC Sewer Main (SDR-35)	1,900	LF	\$60.00	\$ 114,000.00	\$ 99.00	\$ 188,100.00
33	8" PVC Sewer Main (SDR-35) - Remove & Replace	400	LF	\$200.00	\$ 80,000.00	\$ 140.00	\$ 56,000.00
34	12" PVC Sewer Main (SDR-35)	1,760	LF	\$95.00	\$ 167,200.00	\$ 128.00	\$ 225,280.00
35	4" PVC Sewer Service Complete - Sch. 40	110	EA	\$1,500.00	\$ 165,000.00	\$ 2,595.00	\$ 285,450.00
36	48" Manhole Eccentric Standard, Complete	15	EA	\$5,000.00	\$ 75,000.00	\$ 5,020.00	\$ 75,300.00
37	Connect To Ex. Manhole By External Drop	1	EA	\$4,000.00	\$ 4,000.00	\$ 4,450.00	\$ 4,450.00
38	Ex. Manhole Adjustments	15	EA	\$600.00	\$ 9,000.00	\$ 950.00	\$ 14,250.00
39	8" Plug	6	EA	\$200.00	\$ 1,200.00	\$ 85.00	\$ 510.00
40	12" Plug	1	EA	\$300.00	\$ 300.00	\$ 175.00	\$ 175.00
41	Sewer Televising	1	LS	\$15,000.00	\$ 15,000.00	\$ 3,000.00	\$ 3,000.00
Storm Sewer Items							
42	24" x 36" Catch Basin	28	EA	\$2,500.00	\$ 70,000.00	\$ 2,900.00	\$ 81,200.00
43	48" Catch Basin Manhole	25	EA	\$3,250.00	\$ 81,250.00	\$ 3,110.00	\$ 77,750.00
44	60" Catch Basin Manhole	21	EA	\$4,000.00	\$ 84,000.00	\$ 4,640.00	\$ 97,440.00
45	72" Catch Basin Manhole	2	EA	\$7,500.00	\$ 15,000.00	\$ 5,750.00	\$ 11,500.00
46	84" Catch Basin Manhole	1	EA	\$8,500.00	\$ 8,500.00	\$ 6,965.00	\$ 6,965.00
47	48" Storm Sewer Manhole	5	EA	\$3,250.00	\$ 16,250.00	\$ 3,515.00	\$ 17,575.00
48	60" Storm Sewer Manhole	10	EA	\$4,000.00	\$ 40,000.00	\$ 4,730.00	\$ 47,300.00
49	72" Storm Sewer Manhole	4	EA	\$7,500.00	\$ 30,000.00	\$ 6,030.00	\$ 24,120.00
50	15" RCP CL-III	1,050	LF	\$55.00	\$ 57,750.00	\$ 88.00	\$ 92,400.00
51	18" RCP CL-III	5,550	LF	\$65.00	\$ 360,750.00	\$ 104.00	\$ 577,200.00
52	24" RCP CL-III	1,650	LF	\$75.00	\$ 123,750.00	\$ 120.00	\$ 198,000.00
53	30" RCP CL-III	2,650	LF	\$105.00	\$ 278,250.00	\$ 160.00	\$ 424,000.00
54	18" CES	12	EA	\$1,600.00	\$ 19,200.00	\$ 810.00	\$ 9,720.00
55	24" CES	3	EA	\$1,800.00	\$ 5,400.00	\$ 1,340.00	\$ 4,020.00
56	30" CES	3	EA	\$2,200.00	\$ 6,600.00	\$ 1,715.00	\$ 5,145.00
57	18" Plug	3	EA	\$250.00	\$ 750.00	\$ 125.00	\$ 375.00
58	24" Plug	1	EA	\$300.00	\$ 300.00	\$ 145.00	\$ 145.00
59	Rip Rap	400	TON	\$100.00	\$ 40,000.00	\$ 105.00	\$ 42,000.00
60	Outlet Control Structures	2	LS	\$8,000.00	\$ 16,000.00	\$ 8,250.00	\$ 16,500.00
Earthwork Items							
61	Clearing & Grubbing	1	LS	\$10,000.00	\$ 10,000.00	\$ 9,900.00	\$ 9,900.00
62	Topsoil Stripping and stockpile	60,000	CY	\$2.50	\$ 150,000.00	\$ 4.00	\$ 240,000.00
63	Topsoil Respread	52,000	CY	\$3.50	\$ 182,000.00	\$ 4.00	\$ 208,000.00
64	Excavation/ Embankment	200,000	CY	\$5.00	\$ 1,000,000.00	\$ 3.75	\$ 750,000.00
65	Import Embankment from existing on-site stockpiles	50,000	CY	\$6.00	\$ 300,000.00	\$ 4.40	\$ 220,000.00
66	Seeding	58	AC	\$2,250.00	\$ 130,500.00	\$ 1,540.00	\$ 89,320.00
67	Erosion Control	1	LS	\$50,000.00	\$ 50,000.00	\$ 70,000.00	\$ 70,000.00
Pavement Items							
68	Subgrade Preparation	50,000	SY	\$1.80	\$ 90,000.00	\$ 2.50	\$ 125,000.00
69	Type R1 Woven Geotextile Fabric	50,000	SY	\$2.00	\$ 100,000.00	\$ 2.50	\$ 125,000.00
70	Class 5 Aggregate Base (Salvaged)	15,000	TON	\$10.00	\$ 150,000.00	\$ 8.80	\$ 132,000.00
71	Class 5 Aggregate Base	15,000	TON	\$20.00	\$ 300,000.00	\$ 24.20	\$ 363,000.00
					\$ 5,238,075.00	\$ 6,190,719.00	

General Conditions							
1	Mobilization	1.00	LS	\$42,000.00	\$ 42,000.00	\$ 42,000.00	\$ 42,000.00
2	Traffic Control	1.00	LS	\$8,500.00	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00
3	Material Testing	1.00	LS	\$10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
Street Sign and Pavement Markings							
4	R1-1, 30" Stop Sign (Including Post)	12.00	EA	\$250.00	\$ 3,000.00	\$ 500.00	\$ 6,000.00
5	Street Blade Sign (Including Post)	44.00	EA	\$200.00	\$ 8,800.00	\$ 200.00	\$ 8,800.00
6	24" Stop Bar, White	30.00	LF	\$30.00	\$ 900.00	\$ 12.00	\$ 360.00
7	8" Lane Line, White	250.00	LF	\$2.00	\$ 500.00	\$ 12.00	\$ 3,060.00
8	4" Lane Line, Yellow	9,250.00	LF	\$1.00	\$ 9,250.00	\$ 1.00	\$ 9,250.00
9	Pavement Marking Symbols, White Arrow	33.00	SF	\$30.00	\$ 990.00	\$ 100.00	\$ 3,300.00
Street Light Items							
10	Type A Poles/Fixtures	37.00	EA	\$2,400.00	\$ 88,800.00	\$ 2,175.00	\$ 80,475.00
11	Type C Poles/Fixtures	16.00	EA	\$4,200.00	\$ 67,200.00	\$ 3,120.00	\$ 49,920.00
12	#2 AWG 120/240 Circuitry	1,375.00	LF	\$8.50	\$ 11,687.50	\$ 4.80	\$ 6,600.00
13	#4 AWG 120/240 Circuitry	6,900.00	LF	\$5.50	\$ 37,950.00	\$ 3.00	\$ 20,700.00
14	240+EGC Circuitry	4,410.00	LF	\$5.50	\$ 24,255.00	\$ 2.00	\$ 8,820.00
15	2" Conduit	1,195.00	LF	\$12.00	\$ 14,340.00	\$ 14.30	\$ 17,088.50
16	Pull Box	2.00	EA	\$1,500.00	\$ 3,000.00	\$ 660.00	\$ 1,320.00
17	Trenching	9,445.00	LF	\$4.00	\$ 37,780.00	\$ 2.85	\$ 26,918.25
18	New Type IV Feedpoint	2.00	EA	\$9,000.00	\$ 18,000.00	\$ 7,700.00	\$ 15,400.00
19	Spare Type A Pole	4.00	EA	\$800.00	\$ 3,200.00	\$ 1,345.00	\$ 5,380.00
20	Spare Type C Pole	2.00	EA	\$2,250.00	\$ 4,500.00	\$ 1,550.00	\$ 3,100.00
21	Spare Type A Luminaire	4.00	EA	\$1,000.00	\$ 4,000.00	\$ 280.00	\$ 1,120.00
22	Spare Type C Luminaire	2.00	EA	\$500.00	\$ 1,000.00	\$ 280.00	\$ 560.00
Earthwork Items							
23	Topsoil Respread	6,000.00	CY	\$3.50	\$ 21,000.00	\$ 4.00	\$ 24,000.00
24	Hydro-Seeding	7.00	CY	\$5.00	\$ 35.00	\$ 5,500.00	\$ 38,500.00
25	Erosion Control	1.00	CY	\$6.00	\$ 6.00	\$ 19,800.00	\$ 19,800.00
Pavement Items							
26	Type-I Curb and Gutter	17,600	LF	\$18.00	\$ 316,800.00	\$ 18.50	\$ 325,600.00
27	Sidewalk	5,200	SY	\$65.00	\$ 338,000.00	\$ 45.00	\$ 234,000.00
28	Class 5 Aggregate Base	6,000	TONS	\$20.00	\$ 120,000.00	\$ 24.20	\$ 145,200.00
29	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$78.00	\$ 444,600.00	\$ 64.00	\$ 364,800.00
30	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$78.00	\$ 358,800.00	\$ 64.00	\$ 294,400.00
31	3" Class 27 Hot Bituminous Pavement (Shared Use Path)	950	TONS	\$78.00	\$ 74,100.00	\$ 70.00	\$ 66,500.00
32	PG 58-28 oil	690	TONS	\$650.00	\$ 448,500.00	\$ 715.00	\$ 493,350.00
				\$ 2,521,493.50		\$ 2,334,761.75	

Bid Tabulations
 55th Crossing West Street & Utility Improvements
 Minot, North Dakota
 Bid Opening: May 30, 2014 @ 11:00 AM

Base Bid - Phase I

R12046.03

Item No.	Description	Quantity	Unit	J. R. Ferche		Wagner Construction	
				Unit Price	Subtotal	Unit Price	Subtotal
General Items							
1	General Conditions	1	LS	\$220,000.00	\$ 220,000.00	\$ 405,000.00	\$ 405,000.00
2	Traffic Control	1	LS	\$10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00
3	Materials Testing	1	LS	\$15,000.00	\$ 15,000.00	\$ 25,000.00	\$ 25,000.00
Removals							
4	4" Asphalt Pavement	3,050	SY	\$3.50	\$ 10,675.00	\$ 3.00	\$ 9,150.00
5	Concrete Pavment	450	SY	\$5.50	\$ 2,475.00	\$ 5.00	\$ 2,250.00
6	Gravel Pavement (Salvage)	36,500	TON	\$2.00	\$ 73,000.00	\$ 1.50	\$ 54,750.00
7	Water Service Removed to Main & Capped	19	EA	\$3,000.00	\$ 57,000.00	\$ 1,100.00	\$ 20,900.00
8	Water Service (partial)	37	EA	\$2,500.00	\$ 92,500.00	\$ 830.00	\$ 30,710.00
9	Sanitary Sewer Service (to main & plugged)	29	EA	\$3,000.00	\$ 87,000.00	\$ 1,100.00	\$ 31,900.00
10	Sanitary Sewer Sewer (partial)	27	EA	\$2,500.00	\$ 67,500.00	\$ 830.00	\$ 22,410.00
11	15" CMP Culvert	95	EA	\$500.00	\$ 47,500.00	\$ 20.00	\$ 1,900.00
12	18" CMP Culvert	57	EA	\$500.00	\$ 28,500.00	\$ 20.00	\$ 1,140.00
13	24" CMP Culvert	9	EA	\$750.00	\$ 6,750.00	\$ 20.00	\$ 180.00
14	36" CMP Culvert	16	EA	\$1,200.00	\$ 19,200.00	\$ 20.00	\$ 320.00
15	Fire Hydrant	3	EA	\$1,400.00	\$ 4,200.00	\$ 1,500.00	\$ 4,500.00
16	Street Signs	45	EA	\$50.00	\$ 2,250.00	\$ 50.00	\$ 2,250.00
17	Chain Link Fence	2,210	LF	\$5.00	\$ 11,050.00	\$ 3.00	\$ 6,630.00
18	Trash Enclosure	3	EA	\$1,500.00	\$ 4,500.00	\$ 1,500.00	\$ 4,500.00
Water Items							
19	1" Copper Water Service, Complete	95	EA	\$3,000.00	\$ 285,000.00	\$ 1,700.00	\$ 161,500.00
20	Curb Stop	35	EA	\$350.00	\$ 12,250.00	\$ 650.00	\$ 22,750.00
21	6" C-900 Water Main (DR-18)	30	LF	\$50.00	\$ 1,500.00	\$ 75.00	\$ 2,250.00
22	8" C-900 Water Main (DR-18)	500	LF	\$55.00	\$ 27,500.00	\$ 54.00	\$ 27,000.00
23	6" Gate Valve, Riser & Box	8	EA	\$2,000.00	\$ 16,000.00	\$ 2,000.00	\$ 16,000.00
24	8" Gate Valve, Riser & Box	1	EA	\$3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
25	Relocate Ex. Fire Hydrant	4	EA	\$3,200.00	\$ 12,800.00	\$ 3,000.00	\$ 12,000.00
26	Fire Hydrant	8	EA	\$6,000.00	\$ 48,000.00	\$ 5,000.00	\$ 40,000.00
27	8"x6" DI Tee	1	EA	\$1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00
28	8" DI Bend	1	EA	\$1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00
29	8" Wet Tap w/ Valve	6	EA	\$6,500.00	\$ 39,000.00	\$ 5,500.00	\$ 33,000.00
30	6" Wet Tap w/ Valve	5	EA	\$5,500.00	\$ 27,500.00	\$ 6,000.00	\$ 30,000.00
31	8" Water Cap	6	EA	\$700.00	\$ 4,200.00	\$ 600.00	\$ 3,600.00
Sanitary Sewer Items							
32	8" PVC Sewer Main (SDR-35)	1,900	LF	\$60.00	\$ 114,000.00	\$ 75.00	\$ 142,500.00
33	8" PVC Sewer Main (SDR-35) - Remove & Replace	400	LF	\$205.00	\$ 82,000.00	\$ 200.00	\$ 80,000.00
34	12" PVC Sewer Main (SDR-35)	1,760	LF	\$165.00	\$ 290,400.00	\$ 110.00	\$ 193,600.00
35	4" PVC Sewer Service Complete - Sch. 40	110	EA	\$2,500.00	\$ 275,000.00	\$ 1,600.00	\$ 176,000.00
36	48" Manhole Eccentric Standard, Complete	15	EA	\$6,500.00	\$ 97,500.00	\$ 5,000.00	\$ 75,000.00
37	Connect To Ex. Manhole By External Drop	1	EA	\$15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00
38	Ex. Manhole Adjustments	15	EA	\$450.00	\$ 6,750.00	\$ 750.00	\$ 11,250.00
39	8" Plug	6	EA	\$300.00	\$ 1,800.00	\$ 225.00	\$ 1,350.00
40	12" Plug	1	EA	\$500.00	\$ 500.00	\$ 250.00	\$ 250.00
41	Sewer Telescoping	1	LS	\$15,000.00	\$ 15,000.00	\$ 7,500.00	\$ 7,500.00
Storm Sewer Items							
42	24" x 36" Catch Basin	28	EA	\$3,300.00	\$ 92,400.00	\$ 3,300.00	\$ 92,400.00
43	48" Catch Basin Manhole	25	EA	\$4,500.00	\$ 112,500.00	\$ 3,000.00	\$ 75,000.00
44	60" Catch Basin Manhole	21	EA	\$7,500.00	\$ 157,500.00	\$ 3,200.00	\$ 67,200.00
45	72" Catch Basin Manhole	2	EA	\$10,000.00	\$ 20,000.00	\$ 9,500.00	\$ 19,000.00
46	84" Catch Basin Manhole	1	EA	\$12,000.00	\$ 12,000.00	\$ 9,500.00	\$ 9,500.00
47	48" Storm Sewer Manhole	5	EA	\$4,500.00	\$ 22,500.00	\$ 4,500.00	\$ 22,500.00
48	60" Storm Sewer Manhole	10	EA	\$7,000.00	\$ 70,000.00	\$ 3,600.00	\$ 36,000.00
49	72" Storm Sewer Manhole	4	EA	\$10,000.00	\$ 40,000.00	\$ 8,500.00	\$ 34,000.00
50	15" RCP CL-III	1,050	LF	\$55.00	\$ 57,750.00	\$ 60.00	\$ 63,000.00
51	18" RCP CL-III	5,550	LF	\$65.00	\$ 360,750.00	\$ 69.00	\$ 382,950.00
52	24" RCP CL-III	1,650	LF	\$75.00	\$ 123,750.00	\$ 72.00	\$ 118,800.00
53	30" RCP CL-III	2,650	LF	\$115.00	\$ 304,750.00	\$ 110.00	\$ 291,500.00
54	18" CES	12	EA	\$1,500.00	\$ 18,000.00	\$ 1,450.00	\$ 17,400.00
55	24" CES	3	EA	\$1,500.00	\$ 4,500.00	\$ 1,800.00	\$ 5,400.00
56	30" CES	3	EA	\$2,000.00	\$ 6,000.00	\$ 2,700.00	\$ 8,100.00
57	18" Plug	3	EA	\$250.00	\$ 750.00	\$ 250.00	\$ 750.00
58	24" Plug	1	EA	\$250.00	\$ 250.00	\$ 280.00	\$ 280.00
59	Rip Rap	400	TON	\$75.00	\$ 30,000.00	\$ 80.00	\$ 32,000.00
60	Outlet Control Structures	2	LS	\$10,000.00	\$ 20,000.00	\$ 12,000.00	\$ 24,000.00
Earthwork Items							
61	Clearing & Grubbing	1	LS	\$6,500.00	\$ 6,500.00	\$ 500.00	\$ 500.00
62	Topsoil Stripping and stockpile	60,000	CY	\$2.80	\$ 168,000.00	\$ 2.50	\$ 150,000.00
63	Topsoil Respread	52,000	CY	\$4.50	\$ 234,000.00	\$ 4.00	\$ 208,000.00
64	Excavation/ Embankment	200,000	CY	\$5.25	\$ 1,050,000.00	\$ 5.50	\$ 1,100,000.00
65	Import Embankment from existing on-site stockpiles	50,000	CY	\$4.00	\$ 200,000.00	\$ 8.00	\$ 400,000.00
66	Seeding	58	AC	\$1,500.00	\$ 87,000.00	\$ 1,500.00	\$ 87,000.00
67	Erosion Control	1	LS	\$165,000.00	\$ 165,000.00	\$ 40,000.00	\$ 40,000.00
Pavement Items							
68	Subgrade Preparation	50,000	SY	\$3.00	\$ 150,000.00	\$ 1.50	\$ 75,000.00
69	Type R1 Woven Geotextile Fabric	50,000	SY	\$2.00	\$ 100,000.00	\$ 2.00	\$ 100,000.00
70	Class 5 Aggregate Base (Salvaged)	15,000	TON	\$11.50	\$ 172,500.00	\$ 10.00	\$ 150,000.00
71	Class 5 Aggregate Base	15,000	TON	\$21.00	\$ 315,000.00	\$ 21.00	\$ 315,000.00
				\$ 6,237,200.00		\$ 5,598,920.00	

General Conditions							
1	Mobilization	1	LS	\$15,000.00	\$ 15,000.00	\$ 96,500.00	\$ 96,500.00
2	Traffic Control	1	LS	\$7,500.00	\$ 7,500.00	\$ 5,000.00	\$ 5,000.00
3	Material Testing	1	LS	\$5,000.00	\$ 5,000.00	\$ 25,000.00	\$ 25,000.00
Street Sign and Pavement Markings							
4	R1-1, 36" Stop Sign (Including Post)	12	EA	\$250.00	\$ 3,000.00	\$ 250.00	\$ 3,000.00
5	Street Blade Sign (Including Post)	44	EA	\$100.00	\$ 4,400.00	\$ 100.00	\$ 4,400.00
6	24" Stop Bar, White	30	LF	\$40.00	\$ 1,200.00	\$ 30.00	\$ 900.00
7	8" Lane Line, White	250	LF	\$2.00	\$ 500.00	\$ 10.00	\$ 2,500.00
8	4" Lane Line, Yellow	9,250	LF	\$2.00	\$ 18,500.00	\$ 0.50	\$ 4,625.00
9	Pavement Marking Symbols, White Arrow	33	SF	\$30.00	\$ 990.00	\$ 30.00	\$ 990.00
Street Light Items							
10	Type A Poles/Fixtures	37	EA	\$2,500.00	\$ 92,500.00	\$ 2,300.00	\$ 85,100.00
11	Type C Poles/Fixtures	16	EA	\$4,200.00	\$ 67,200.00	\$ 4,200.00	\$ 67,200.00
12	#2 AWG 120/240 Circuitry	1,375	LF	\$9.00	\$ 12,375.00	\$ 8.20	\$ 11,275.00
13	#4 AWG 120/240 Circuitry	6,900	LF	\$5.75	\$ 39,675.00	\$ 5.55	\$ 38,295.00
14	240-EGC Circuitry	4,410	LF	\$5.50	\$ 24,255.00	\$ 5.10	\$ 22,491.00
15	2" Conduit	1,195	LF	\$12.50	\$ 14,937.50	\$ 11.00	\$ 13,145.00
16	Pull Box	2	EA	\$1,500.00	\$ 3,000.00	\$ 1,400.00	\$ 2,800.00
17	Trenching	9,445	LF	\$4.25	\$ 40,141.25	\$ 4.00	\$ 37,780.00
18	New Type IV Feedpoint	2	EA	\$9,000.00	\$ 18,000.00	\$ 8,600.00	\$ 17,200.00
19	Spare Type A Pole	4	EA	\$1,000.00	\$ 4,000.00	\$ 900.00	\$ 3,600.00
20	Spare Type C Pole	2	EA	\$2,200.00	\$ 4,400.00	\$ 2,200.00	\$ 4,400.00
21	Spare Type A Luminaire	4	EA	\$1,000.00	\$ 4,000.00	\$ 900.00	\$ 3,600.00
22	Spare Type C Luminaire	2	EA	\$500.00	\$ 1,000.00	\$ 300.00	\$ 600.00
Earthwork Items							
23	Topsoil Respread	6,000	CY	\$4.50	\$ 27,000.00	\$ 4.00	\$ 24,000.00
24	Hydro-Seeding	7	CY	\$5,500.00	\$ 38,500.00	\$ 6,300.00	\$ 44,100.00
25	Erosion Control	1	CY	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
Pavement Items							
26	Type-I Curb and Gutter	17,600	LF	\$19.00	\$ 334,400.00	\$ 18.00	\$ 316,800.00
27	Sidewalk	5,200	SY	\$65.00	\$ 338,000.00	\$ 53.00	\$ 275,600.00
28	Class 5 Aggregate Base	6,000	TONS	\$21.00	\$ 126,000.00	\$ 21.00	\$ 126,000.00
29	6" Class 29 Hot Bituminous Pavement (16th Avenue)	5,700	TONS	\$80.00	\$ 456,000.00	\$ 60.00	\$ 342,000.00
30	4" Class 29 Hot Bituminous Pavement	4,600	TONS	\$80.00	\$ 368,000.00	\$ 60.00	\$ 276,000.00
31	3" Class 27 Hot Bituminous Pavement (Shared Use Path)	950	TONS	\$95.00	\$ 90,250.00	\$ 65.00	\$ 61,750.00
32	PG 58-28 oil	690	TONS	\$600.00	\$ 414,000.00	\$ 650.00	\$ 448,500.00
				<u>\$ 2,593,723.75</u>		<u>\$ 2,385,151.00</u>	