

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

January 29, 2020

Mr. Sam Tesreau, P.E.
City Engineer
City of Rochelle
333 Lincoln Highway
Rochelle, IL 61068

RE: Mulford Road Improvements

Dear Sam,

In compliance with the bid solicitation for the above referenced project, bid packages were available through QuestCDN.com and our office with bids due by 10:00 a.m., Thursday, January 23, 2020. Fourteen bid packages were obtained through QuestCDN.com by Prime Bidders, Subcontractors, etc., with three bids received for the opening.

Our office has completed the review of the bids which included the necessary bid forms, bid security and acknowledgement of Addenda No. 1 and 2. **Martin & Company Excavating, 2456 East Pleasant Grove Rd., P. O. Box 443, Oregon, IL 61061** submitted the low base bid (pre-engineered precast concrete structure) of \$1,288,481.78, and the low alternate bid (precast concrete box culvert) of \$1,149,389.78. The low bid submitted by Martin & Company Excavating for both the base and alternate bid is approximately 17% lower than the Engineer's Estimate. A summary of the bids received is shown below and a bid tabulation is attached.

	ENGINEER'S ESTIMATE	Fischer Excavating, Inc.	Martin & Co. Excavating	N-TRAK Group, LLC
BASE BID:	\$1,545,903.25	\$0.00	\$1,288,481.78	\$1,425,469.83
ALTERNATE BID:	\$1,378,473.25	\$1,336,383.19	\$1,149,389.78	\$1,297,144.23

Fehr Graham recommends the project for the Mulford Road Improvements - Alternate Bid be awarded to Martin & Company Excavating for a total of \$1,149,389.78.

Fehr Graham can proceed with preparing the contract documents should you decide to move forward. I trust that the information contained herein is in line with your expectations. Thank you for the opportunity to provide you with professional services. Should you have any questions, please do not hesitate to contact me anytime.

Sincerely yours,



Noah J. Carmichael, P.E.
Principal

NJC:bm

Attachment

Cc Tom Hilbert, Waste Connections

O:\Waste Connections, Inc\18-793\PA Final\18-793 Mulford Rd Imps Ltr of Rec 2020-01-29.docx

Bid Tabulation
 CITY OF ROCHELLE - MULFORD ROAD IMPROVEMENTS, CITY OF ROCHELLE (WASTE CONNECTIONS), Rochelle, Illinois
 Project No. 18-793

CONTRACTOR AND ADDRESS:			ENGINEER'S ESTIMATE		Fischer Excavating, Inc. 1567 N Heine Rd Freeport, IL 61032		Martin & Company Excavating 2456 East Pleasant Grove Road Oregon, IL 61061		N-Trak 1523 Windsor Road Loves Park, IL 61111	
No.	Code	Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
BASE BID										
1	0	NITROGEN FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$ -	\$ -	\$3.50	\$ 861.00
2	0	PHOSPHOROUS FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$ -	\$ -	\$3.50	\$ 861.00
3	0	POTASSIUM FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$ -	\$ -	\$3.50	\$ 861.00
4	0	EARTH EXCAVATION	960.00	C.Y.	\$ 15.00	\$ 14,400.00	\$ -	\$ -	\$16.30	\$ 15,648.00
5	0	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	150.00	C.Y.	\$ 20.00	\$ 3,000.00	\$ -	\$ -	\$32.00	\$ 4,800.00
6	0	FURNISHED EXCAVATION	2275.00	C.Y.	\$ 20.00	\$ 45,500.00	\$ -	\$ -	\$13.33	\$ 30,325.75
7	0	TRENCH BACKFILL	258.00	C.Y.	\$ 35.00	\$ 9,030.00	\$ -	\$ -	\$32.00	\$ 8,256.00
8	0	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	450.00	S.Y.	\$ 6.00	\$ 2,700.00	\$ -	\$ -	\$2.95	\$ 1,327.50
9	0	TOPSOIL FURNISH AND PLACE, 6"	13188.00	S.Y.	\$ 2.00	\$ 26,376.00	\$ -	\$ -	\$1.59	\$ 20,968.92
10	0	SEEDING, CLASS 2A	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$ -	\$ -	\$3,000.00	\$ 8,160.00
11	0	MULCH METHOD 2	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$ -	\$ -	\$2,000.00	\$ 5,440.00
12	0	EROSION CONTROL BLANKET	1200.00	S.Y.	\$ 4.00	\$ 4,800.00	\$ -	\$ -	\$1.25	\$ 1,500.00
13	0	TEMPORARY EROSION CONTROL SEEDING	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$ -	\$ -	\$100.00	\$ 272.00
14	0	TEMPORARY DITCH CHECK	16.00	EA.	\$ 175.00	\$ 2,800.00	\$ -	\$ -	\$150.00	\$ 2,400.00
15	0	PERIMETER EROSION BARRIER	4687.00	L.F.	\$ 3.00	\$ 14,061.00	\$ -	\$ -	\$1.99	\$ 9,327.13
16	0	INLET AND PIPE PROTECTION	7.00	EA.	\$ 175.00	\$ 1,225.00	\$ -	\$ -	\$160.00	\$ 1,120.00
17	0	STONE RIPRAP, CLASS A4	261.00	S.Y.	\$ 100.00	\$ 26,100.00	\$ -	\$ -	\$49.00	\$ 12,789.00
18	0	FILTER FABRIC FOR USE WITH RIP-RAP	261.00	S.Y.	\$ 6.00	\$ 1,566.00	\$ -	\$ -	\$3.00	\$ 783.00
19	0	SUBBASE GRANULAR MATERIAL, TYPE B 12"	300.00	TON	\$ 15.00	\$ 4,500.00	\$ -	\$ -	\$17.00	\$ 5,100.00
20	0	AGGREGATE BASE COURSE, TYPE B, 6"	1695.00	S.Y.	\$ 14.00	\$ 23,730.00	\$ -	\$ -	\$5.50	\$ 9,322.50
21	0	AGGREGATE BASE COURSE, TYPE B, (ADDITIONAL STONE FOR PAVEMENT RECLAMATION)	195.00	TON	\$ 20.00	\$ 3,900.00	\$ -	\$ -	\$21.00	\$ 4,095.00
22	0	AGGREGATE BASE COURSE, TYPE B 12"	852.00	S.Y.	\$ 20.00	\$ 17,040.00	\$ -	\$ -	\$9.90	\$ 8,434.80
23	0	AGGREGATE SURFACE COURSE, TYPE B, 12"	236.00	S.Y.	\$ 20.00	\$ 4,720.00	\$ -	\$ -	\$9.90	\$ 2,336.40
24	0	ASPHALT EMULSION	33115.00	GAL	\$ 2.00	\$ 66,230.00	\$ -	\$ -	\$2.50	\$ 82,787.50
25	0	BITUMINOUS MATERIALS, PRIME COAT	10139.00	LB.	\$ 0.25	\$ 2,534.75	\$ -	\$ -	\$0.50	\$ 5,069.50
26	0	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	229.00	S.Y.	\$ 27.50	\$ 6,297.50	\$ -	\$ -	\$7.22	\$ 1,653.38
27	0	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 6"	3250.00	TON	\$ 70.00	\$ 227,500.00	\$ -	\$ -	\$63.10	\$ 205,075.00
28	0	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 3.5"	1895.00	TON	\$ 75.00	\$ 142,125.00	\$ -	\$ -	\$72.30	\$ 137,008.50
29	0	PAVEMENT REMOVAL AND DISPOSAL	1288.00	S.Y.	\$ 10.00	\$ 12,880.00	\$ -	\$ -	\$7.00	\$ 9,016.00
30	0	COMBINATION CURB AND GUTTER REMOVAL	65.00	L.F.	\$ 20.00	\$ 1,300.00	\$ -	\$ -	\$4.40	\$ 286.00
31	0	HOT-MIX ASPHALT SHOULDER, 5"	2260.00	S.Y.	\$ 30.00	\$ 67,800.00	\$ -	\$ -	\$17.93	\$ 40,521.80
32	0	CULVERT REMOVAL AND DISPOSAL	191.00	L.F.	\$ 15.00	\$ 2,865.00	\$ -	\$ -	\$11.00	\$ 2,101.00
33	0	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	2.00	EA.	\$ 750.00	\$ 1,500.00	\$ -	\$ -	\$625.00	\$ 1,250.00
34	0	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	1.00	EA.	\$ 750.00	\$ 750.00	\$ -	\$ -	\$660.00	\$ 660.00
35	0	STEEL END SECTION, 15"	4.00	EA.	\$ 250.00	\$ 1,000.00	\$ -	\$ -	\$185.00	\$ 740.00
36	0	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.00	EA.	\$ 4,500.00	\$ 4,500.00	\$ -	\$ -	\$2,000.00	\$ 2,000.00
37	0	STEEL PLATE BEAM GUARDRAIL, TY A	594.00	L.F.	\$ 100.00	\$ 59,400.00	\$ -	\$ -	\$25.00	\$ 14,850.00
38	0	GUARDRAIL REMOVAL	68.00	L.F.	\$ 20.00	\$ 1,360.00	\$ -	\$ -	\$7.00	\$ 476.00
39	0	CHAIN LINK FENCE, 8'	104.00	L.F.	\$ 65.00	\$ 6,760.00	\$ -	\$ -	\$55.00	\$ 5,720.00
40	0	SIGN PANEL - TYPE 1	29.00	S.F.	\$ 20.00	\$ 580.00	\$ -	\$ -	\$30.00	\$ 870.00
41	0	TELESCOPING STEEL SIGN SUPPORT	76.00	L.F.	\$ 15.00	\$ 1,140.00	\$ -	\$ -	\$18.10	\$ 1,375.60
42	0	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS	70.00	S.F.	\$ 6.00	\$ 420.00	\$ -	\$ -	\$5.00	\$ 350.00
43	0	THERMOPLASTIC PAVEMENT MARKING, LINE 4"	10385.00	L.F.	\$ 0.90	\$ 9,346.50	\$ -	\$ -	\$0.65	\$ 6,750.25
44	0	THERMOPLASTIC PAVEMENT MARKING, LINE 24"	133.00	L.F.	\$ 5.00	\$ 665.00	\$ -	\$ -	\$3.50	\$ 465.50
45	0	PIPE CULVERTS, CMP, CLASS D, TYPE 2, 15"	82.00	L.F.	\$ 35.00	\$ 2,870.00	\$ -	\$ -	\$41.00	\$ 3,362.00
46	0	STORM SEWERS, RCP, CLASS A, TYPE 2, 15"	40.00	L.F.	\$ 45.00	\$ 1,800.00	\$ -	\$ -	\$48.00	\$ 1,920.00
47	0	STORM SEWERS, RCP, CLASS A, TYPE 2, 18"	3.00	L.F.	\$ 100.00	\$ 300.00	\$ -	\$ -	\$80.00	\$ 240.00
48	0	STORM SEWERS, RCP, CLASS A, TYPE 2, 30"	188.00	L.F.	\$ 95.00	\$ 17,860.00	\$ -	\$ -	\$69.00	\$ 12,972.00
49	0	STORM SEWERS, PVC, CLASS B, TYPE 2, 30"	2540.00	L.F.	\$ 55.00	\$ 139,700.00	\$ -	\$ -	\$83.00	\$ 210,820.00
50	0	FULL DEPTH PAVEMENT RECLAMATION, 6"	7105.00	S.Y.	\$ 17.50	\$ 124,337.50	\$ -	\$ -	\$7.95	\$ 56,484.75
51	0	GATE REMOVAL	1.00	EA.	\$ 800.00	\$ 800.00	\$ -	\$ -	\$900.00	\$ 900.00
52	0	RELOCATE EXISTING FLARED END SECTION	2.00	EA.	\$ 500.00	\$ 1,000.00	\$ -	\$ -	\$350.00	\$ 700.00
53	0	TRAFFIC BARRIER TERMINAL, TYPE 1 TANGENT	5.00	EA.	\$ 3,500.00	\$ 17,500.00	\$ -	\$ -	\$2,550.00	\$ 12,750.00
54	0	TRAFFIC BARRIER TERMINAL, TYPE 1 FLARED	1.00	EA.	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -	\$2,400.00	\$ 2,400.00
55	0	PRE-ENGINEERED PRECAST CONCRETE STRUCTURE W/ WINGWALLS, 7'Hx24'W COMPLETE	58.00	L.F.	\$ 4,500.00	\$ 261,000.00	\$ -	\$ -	\$3,879.00	\$ 224,982.00
56	0	DOUBLE BOX CULVERT REMOVAL	1.00	L.S.	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$12,500.00	\$ 12,500.00
57	0	CLEARING AND GRUBBING	1.00	L.S.	\$ 7,500.00	\$ 7,500.00	\$ -	\$ -	\$6,500.00	\$ 6,500.00
58	0	INLET, SPECIAL (8'X4') W/ FRAME & GRATE	6.00	EA.	\$ 6,000.00	\$ 36,000.00	\$ -	\$ -	\$5,000.00	\$ 30,000.00
59	0	CHAIN LINK FENCE REMOVAL	117.00	L.F.	\$ 20.00	\$ 2,340.00	\$ -	\$ -	\$8.00	\$ 936.00
60	0	CHAIN LINK DOUBLE GATE, 8'H X 60'L	1.00	EA.	\$ 7,500.00	\$ 7,500.00	\$ -	\$ -	\$5,000.00	\$ 5,000.00
61	0	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1.00	L.S.	\$ 17,300.00	\$ 17,300.00	\$ -	\$ -	\$8,000.00	\$ 8,000.00
62	0	RAILROAD FLAGGERS	15.00	DAY	\$ 1,700.00	\$ 25,500.00	\$ -	\$ -	\$1,100.00	\$ 16,500.00
63	0	RAILROAD PROTECTIVE LIABILITY INSURANCE	1.00	L.S.	\$ 25,000.00	\$ 25,000.00	\$ -	\$ -	\$7,500.00	\$ 7,500.00
TOTAL BASE BID					\$1,545,903.25		\$0.00		\$1,288,481.78	\$1,425,469.83

Bid Tabulation
 CITY OF ROCHELLE - MULFORD ROAD IMPROVEMENTS, CITY OF ROCHELLE (WASTE CONNECTIONS), Rochelle, Illinois
 Project No. 18-793

CONTRACTOR AND ADDRESS:			ENGINEER'S ESTIMATE		Fischer Excavating, Inc. 1567 N Heine Rd Freeport, IL 61032		Martin & Company Excavating 2456 East Pleasant Grove Road Oregon, IL 61061		N-Trak 1523 Windsor Road Loves Park, IL 61111	
No.	Code	Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
ALTERNATE BID										
1		NITROGEN FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$3.00	\$ 738.00	\$3.50	\$ 861.00
2		PHOSPHOROUS FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$3.00	\$ 738.00	\$3.50	\$ 861.00
3		POTASSIUM FERTILIZER NUTRIENT	246.00	LB.	\$ 3.00	\$ 738.00	\$3.00	\$ 738.00	\$3.50	\$ 861.00
4		EARTH EXCAVATION	960.00	C.Y.	\$ 15.00	\$ 14,400.00	\$32.00	\$ 30,720.00	\$16.30	\$ 15,648.00
5		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	150.00	C.Y.	\$ 20.00	\$ 3,000.00	\$21.00	\$ 3,150.00	\$32.00	\$ 4,800.00
6		FURNISHED EXCAVATION	2275.00	C.Y.	\$ 20.00	\$ 45,500.00	\$24.00	\$ 54,600.00	\$13.33	\$ 30,325.75
7		TRENCH BACKFILL	258.00	C.Y.	\$ 35.00	\$ 9,030.00	\$27.00	\$ 6,966.00	\$32.00	\$ 8,256.00
8		GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	450.00	S.Y.	\$ 6.00	\$ 2,700.00	\$2.35	\$ 1,057.50	\$2.95	\$ 1,327.50
9		TOPSOIL FURNISH AND PLACE, 6"	13188.00	S.Y.	\$ 2.00	\$ 26,376.00	\$2.05	\$ 27,035.40	\$1.59	\$ 20,968.92
10		SEEDING, CLASS 2A	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$2,630.00	\$ 7,153.60	\$3,000.00	\$ 8,160.00
11		MULCH METHOD 2	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$1,660.00	\$ 4,515.20	\$2,000.00	\$ 5,440.00
12		EROSION CONTROL BLANKET	1200.00	S.Y.	\$ 4.00	\$ 4,800.00	\$1.10	\$ 1,320.00	\$1.25	\$ 1,500.00
13		TEMPORARY EROSION CONTROL SEEDING	2.72	ACRE	\$ 3,000.00	\$ 8,160.00	\$500.00	\$ 1,360.00	\$100.00	\$ 272.00
14		TEMPORARY DITCH CHECK	16.00	EA.	\$ 175.00	\$ 2,800.00	\$130.00	\$ 2,080.00	\$150.00	\$ 2,400.00
15		PERIMETER EROSION BARRIER	4687.00	L.F.	\$ 3.00	\$ 14,061.00	\$1.60	\$ 7,499.20	\$1.99	\$ 9,327.13
16		INLET AND PIPE PROTECTION	7.00	EA.	\$ 175.00	\$ 1,225.00	\$140.00	\$ 980.00	\$160.00	\$ 1,120.00
17		STONE RIPRAP, CLASS A4	106.00	S.Y.	\$ 100.00	\$ 10,600.00	\$50.00	\$ 5,300.00	\$49.00	\$ 5,194.00
18		FILTER FABRIC FOR USE WITH RIP-RAP	106.00	S.Y.	\$ 6.00	\$ 636.00	\$2.35	\$ 249.10	\$3.00	\$ 318.00
19		SUBBASE GRANULAR MATERIAL, TYPE B 12"	300.00	TON	\$ 15.00	\$ 4,500.00	\$20.00	\$ 6,000.00	\$17.00	\$ 5,100.00
20		AGGREGATE BASE COURSE, TYPE B, 6"	1695.00	S.Y.	\$ 14.00	\$ 23,730.00	\$8.00	\$ 13,560.00	\$5.50	\$ 9,322.50
21		AGGREGATE BASE COURSE, TYPE B, (ADDITIONAL STONE FOR PAVEMENT RECLAMATON)	195.00	TON	\$ 20.00	\$ 3,900.00	\$40.45	\$ 7,887.75	\$21.00	\$ 4,095.00
22		AGGREGATE BASE COURSE, TYPE B 12"	852.00	S.Y.	\$ 20.00	\$ 17,040.00	\$15.80	\$ 13,461.60	\$9.90	\$ 8,434.80
23		AGGREGATE SURFACE COURSE, TYPE B, 12"	236.00	S.Y.	\$ 20.00	\$ 4,720.00	\$14.50	\$ 3,422.00	\$9.90	\$ 2,336.40
24		ASPHALT EMULSION	33115.00	GAL	\$ 2.00	\$ 66,230.00	\$2.18	\$ 72,190.70	\$2.50	\$ 82,787.50
25		BITUMINOUS MATERIALS, PRIME COAT	10139.00	LB.	\$ 0.25	\$ 2,534.75	\$0.55	\$ 5,576.45	\$0.50	\$ 5,069.50
26		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	229.00	S.Y.	\$ 27.50	\$ 6,297.50	\$11.85	\$ 2,713.65	\$7.22	\$ 1,653.38
27		HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 6"	3250.00	TON	\$ 70.00	\$ 227,500.00	\$64.10	\$ 208,325.00	\$63.10	\$ 205,075.00
28		HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 3.5"	1895.00	TON	\$ 75.00	\$ 142,125.00	\$73.30	\$ 138,903.50	\$72.30	\$ 137,008.50
29		PAVEMENT REMOVAL AND DISPOSAL	1288.00	S.Y.	\$ 10.00	\$ 12,880.00	\$17.30	\$ 22,282.40	\$7.00	\$ 9,016.00
30		COMBINATION CURB AND GUTTER REMOVAL	65.00	L.F.	\$ 20.00	\$ 1,300.00	\$4.30	\$ 279.50	\$4.40	\$ 286.00
31		HOT-MIX ASPHALT SHOULDER, 5"	2260.00	S.Y.	\$ 30.00	\$ 67,800.00	\$19.00	\$ 42,940.00	\$17.93	\$ 40,521.80
32		CULVERT REMOVAL AND DISPOSAL	191.00	L.F.	\$ 15.00	\$ 2,865.00	\$7.00	\$ 1,337.00	\$11.00	\$ 2,101.00
33		PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"	2.00	EA.	\$ 750.00	\$ 1,500.00	\$550.00	\$ 1,100.00	\$625.00	\$ 1,250.00
34		PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	1.00	EA.	\$ 750.00	\$ 750.00	\$624.00	\$ 624.00	\$660.00	\$ 660.00
35		STEEL END SECTION, 15"	4.00	EA.	\$ 250.00	\$ 1,000.00	\$133.00	\$ 532.00	\$185.00	\$ 740.00
36		MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.00	EA.	\$ 4,500.00	\$ 4,500.00	\$2,590.00	\$ 2,590.00	\$2,000.00	\$ 2,000.00
37		STEEL PLATE BEAM GUARDRAIL, TY A	594.00	L.F.	\$ 100.00	\$ 59,400.00	\$22.71	\$ 13,489.74	\$25.00	\$ 14,850.00
38		GUARDRAIL REMOVAL	68.00	L.F.	\$ 20.00	\$ 1,360.00	\$6.50	\$ 442.00	\$7.00	\$ 476.00
39		CHAIN LINK FENCE, 8'	104.00	L.F.	\$ 65.00	\$ 6,760.00	\$49.36	\$ 5,133.44	\$55.00	\$ 5,720.00
40		SIGN PANEL - TYPE 1	29.00	S.F.	\$ 20.00	\$ 580.00	\$27.10	\$ 785.90	\$30.00	\$ 870.00
41		TELESCOPING STEEL SIGN SUPPORT	76.00	L.F.	\$ 15.00	\$ 1,140.00	\$16.66	\$ 1,266.16	\$18.10	\$ 1,375.60
42		THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS	70.00	S.F.	\$ 6.00	\$ 420.00	\$4.00	\$ 280.00	\$5.00	\$ 350.00
43		THERMOPLASTIC PAVEMENT MARKING, LINE 4"	10385.00	L.F.	\$ 0.90	\$ 9,346.50	\$0.55	\$ 5,711.75	\$0.65	\$ 6,750.25
44		THERMOPLASTIC PAVEMENT MARKING, LINE 24"	133.00	L.F.	\$ 5.00	\$ 665.00	\$3.30	\$ 438.90	\$3.50	\$ 465.50
45		PIPE CULVERTS, CMP, CLASS D, TYPE 2, 15"	82.00	L.F.	\$ 35.00	\$ 2,870.00	\$41.00	\$ 3,362.00	\$41.00	\$ 3,362.00
46		STORM SEWERS, RCP, CLASS A, TYPE 2, 15"	40.00	L.F.	\$ 45.00	\$ 1,800.00	\$69.00	\$ 2,760.00	\$48.00	\$ 1,920.00
47		STORM SEWERS, RCP, CLASS A, TYPE 2, 18"	3.00	L.F.	\$ 100.00	\$ 300.00	\$297.00	\$ 891.00	\$80.00	\$ 240.00
48		STORM SEWERS, RCP, CLASS A, TYPE 2, 30"	188.00	L.F.	\$ 95.00	\$ 17,860.00	\$72.00	\$ 13,536.00	\$69.00	\$ 12,972.00
49		STORM SEWERS, PVC, CLASS B, TYPE 2, 30"	2540.00	L.F.	\$ 55.00	\$ 139,700.00	\$105.15	\$ 267,081.00	\$83.00	\$ 210,820.00
50		FULL DEPTH PAVEMENT RECLAMATION, 6"	7105.00	S.Y.	\$ 17.50	\$ 124,337.50	\$7.05	\$ 50,090.25	\$7.95	\$ 56,484.75
51		GATE REMOVAL	1.00	EA.	\$ 800.00	\$ 800.00	\$800.00	\$ 800.00	\$900.00	\$ 900.00
52		RELOCATE EXISTING FLARED END SECTION	2.00	EA.	\$ 500.00	\$ 1,000.00	\$133.00	\$ 266.00	\$350.00	\$ 700.00
53		TRAFFIC BARRIER TERMINAL, TYPE 1 TANGENT	5.00	EA.	\$ 3,500.00	\$ 17,500.00	\$2,415.00	\$ 12,075.00	\$2,550.00	\$ 12,750.00
54		TRAFFIC BARRIER TERMINAL, TYPE 1 FLARED	1.00	EA.	\$ 3,500.00	\$ 3,500.00	\$2,210.00	\$ 2,210.00	\$2,400.00	\$ 2,400.00
55		PRECAST BOX CULVERT END SECTION	2.00	EA.	\$ 20,000.00	\$ 40,000.00	\$22,500.00	\$ 45,000.00	\$12,500.00	\$ 25,000.00
56		PRECAST CONCRETE BOX CULVERTS 10' X 7'	70.00	L.F.	\$ 1,000.00	\$ 70,000.00	\$1,308.00	\$ 91,560.00	\$985.00	\$ 68,950.00
57		DOUBLE BOX CULVERT REMOVAL	1.00	L.S.	\$ 5,000.00	\$ 5,000.00	\$25,070.00	\$ 25,070.00	\$12,500.00	\$ 12,500.00
58		CLEARING AND GRUBBING	1.00	L.S.	\$ 7,500.00	\$ 7,500.00	\$5,000.00	\$ 5,000.00	\$6,500.00	\$ 6,500.00
59		INLET, SPECIAL (8'X4') W/ FRAME & GRATE	6.00	EA.	\$ 6,000.00	\$ 36,000.00	\$6,005.00	\$ 36,030.00	\$5,000.00	\$ 30,000.00
60		CHAIN LINK FENCE REMOVAL	117.00	L.F.	\$ 20.00	\$ 2,340.00	\$6.50	\$ 760.50	\$8.00	\$ 936.00
61		CHAIN LINK DOUBLE GATE, 8'H X 60'L	1.00	EA.	\$ 7,500.00	\$ 7,500.00	\$4,500.00	\$ 4,500.00	\$5,000.00	\$ 5,000.00
62		TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1.00	L.S.	\$ 17,300.00	\$ 17,300.00	\$7,500.00	\$ 7,500.00	\$8,000.00	\$ 8,000.00
63		RAILROAD FLAGGERS	15.00	DAY	\$ 1,700.00	\$ 25,500.00	\$1,500.00	\$ 22,500.00	\$1,100.00	\$ 16,500.00
64		RAILROAD PROTECTIVE LIABILITY INSURANCE	1.00	L.S.	\$ 25,000.00	\$ 25,000.00	\$17,918.00	\$ 17,918.00	\$7,500.00	\$ 7,500.00
TOTAL ALTERNATE BID					\$1,378,473.25		\$1,336,383.19		\$1,149,389.78	\$1,297,144.23
Addendum No. 1 & No. 2 Acknowledged (Yes / No)					Yes		Yes		Yes	
Bid Security					Bid Bond - 5%		Bid Bond - 5%		Bid Bond - 5%	
TOTAL BASE BID (As Calculated)					\$1,545,903.25		\$0.00		\$1,288,481.78	\$1,425,469.83
TOTAL BASE BID (As Read)							\$0.00		\$1,288,481.78	\$1,425,469.83
TOTAL ALTERNATE BID (As Calculated)					\$1,378,473.25		\$1,336,383.19		\$1,149,389.78	\$1,297,144.23
TOTAL ALTERNATE BID (As Read)							\$1,344,497.44		\$1,149,389.78	\$1,298,965.83


 Noah Carmichael, Principal
FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL