

FINANCE DEPARTMENT

Memo

August 31, 2022

Mr. Rob Brule
First Selectman
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

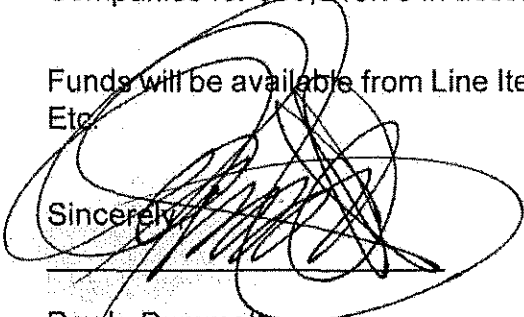
Re: Cooperative Purchasing-Installation of Guardrails

Dear Mr. Brule:

In keeping with Section 3.08.010 of the Purchasing Ordinance- Cooperative Purchasing, the Purchasing Department, on behalf the Public Works Department, after due diligence and careful consideration, is respectfully seeking the Board's approval to award the contracts for the above mentioned project to Atlas Companies for \$35,248.75 in accordance with DAS contract 18PSX0147.

Funds will be available from Line Item 20530-57877 Resurface Roads, Lake Ponds Etc.

Sincerely,



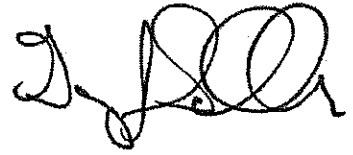
Rawle Dummett
Purchasing Agent,
Town of Waterford

INTER-OFFICE MEMORANDUM

TOWN OF WATERFORD

To: Robert Brule, First Selectman

From: Gary J. Schneider, Director of Public Works



Date: August 30, 2022

Re: Cooperative purchasing – FY23

The purchasing agent has indicated that the department should get approval of cooperative purchasing prior to purchases. Public Works uses cooperative purchasing for a lot of our projects, because these other agencies have done the work to get prices and allow us to piggyback on them.

We propose to bring these before the Board of Selectman for review all at once, so as to not hold up the progress on projects. Public Works will be using Cooperative Pricing for the following items:

Atlas Fence – Guardrail – 18PSX0147

Rafferty – Milling – 20PSX0167

Pasteryak – Paving – 22PSX000B

Safety Markings – Line striping – CROG #725

Morton Salt – Treated Road Salt – CROG #735

East River Energy – Fuels – CROG #730

Public Works respectfully requests to be on the agenda for the September 6, 2022 agenda of the Board of Selectman.

ATLAL COMPANIES LLC. DBA ATLAS INDUSTRIAL SERVICES PROPOSED GUARDRAIL INSTALLATION

FOR THE TOWN OF Waterford Phone# 860-283-4030 Fax# 860-283-4403

BASED-ON-FIELD-LAYOUT WITH-Daniel-Mathason-Date:8/18/2022

STREET	UNIT	RB-350 MBR LF**	RB TYP II ANCHOR EA	Ped post LF	Ty RI Galv LF	RB TYP I ANCHOR EA	Raidus MBR LF	TRAFF Control LF	REMOVAL MBR LF	TOTALS
	DOT MAINT BID ITEM # LOC.	1A	16	161	67A	15	49B	185A	152A	
	COST/UNIT*	\$35.00	\$1,700.00	\$300.00	\$30.00	\$1,750.00	\$34.99	\$0.70	\$0.75	
Gardiners wood rd	1	775				4		775	775	\$35,248.75
	2									\$0.00
	3									\$0.00
		775	0	0	0	4	0	775	775	\$35,248.75

* Unit price based on low bid from the most recent CTDOT Maintenance Bid 18PSX0147

Please sign and fax back this form so that we can proceed forward with scheduling the work. Thank you.

Authorized Representative _____ Date _____

Prepared by:

Daniel T. Boone
Guardrail Manager

District 3				Total Fence, LLC		Other Indus.	
Item Number	Item Name	Item	Award amount	Award amount			
Metal Beam Rail (R-B MASH) Guide Rail							
Standard System (6'-3" Post Spacing)							
1a	Metal Beam Rail (R-B MASH) Guide Rail, Standard System (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_21	I.f.	\$29.80				\$30.00
1b	Metal Beam Rail (R-B MASH) Guide Rail, Standard System (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_21	I.f.	\$25.00				\$23.00
1c	Metal Beam Rail (R-B MASH) Guide Rail, Standard System (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_21	I.f.	\$22.00				\$21.90
1d	Metal Beam Rail (R-B MASH) Guide Rail, Standard System (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_21	I.f.	\$21.00				\$20.99
Half Post Spacing (3'-1-1/2" Post Spacing)							
2a	Metal Beam Rail (R-B MASH) Guide Rail, Half Post Spacing (3'-1-1/2" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_23	I.f.	\$34.00				\$34.00
2b	Metal Beam Rail (R-B MASH) Guide Rail, Half Post Spacing (3'-1-1/2" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_23	I.f.	\$34.00				\$34.00
2c	Metal Beam Rail (R-B MASH) Guide Rail, Half Post Spacing (3'-1-1/2" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_23	I.f.	\$34.00				\$34.00
2d	Metal Beam Rail (R-B MASH) Guide Rail, Half Post Spacing (3'-1-1/2" Post Spacing), 5001 ft. and over, Drawing No., HW-910_23	I.f.	\$34.00				\$34.00
Quarter Half Post Spacing (1'-6-3/4" Post Spacing)							
3a	Metal Beam Rail (R-B MASH) Guide Rail, Quarter Half Post Spacing (1'-6-3/4" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_23	I.f.	\$64.00				\$64.00
3b	Metal Beam Rail (R-B MASH) Guide Rail, Quarter Half Post Spacing (1'-6-3/4" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_23	I.f.	\$59.00				\$59.00
3c	Metal Beam Rail (R-B MASH) Guide Rail, Quarter Half Post Spacing (1'-6-3/4" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_23	I.f.	\$59.00				\$59.00
3d	Metal Beam Rail (R-B MASH) Guide Rail, Quarter Half Post Spacing (1'-6-3/4" Post Spacing), 5001 ft. and over, Drawing No., HW-910_23	I.f.	\$59.00				\$59.00
Median MD-B (6'-3" Post Spacing)							
4a	Metal Beam Rail (R-B MASH) Guide Rail, Median MD-B (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_22	I.f.	\$38.90				\$38.90
4b	Metal Beam Rail (R-B MASH) Guide Rail, Median MD-B (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_22	I.f.	\$32.00				\$32.00
4c	Metal Beam Rail (R-B MASH) Guide Rail, Median MD-B (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_22	I.f.	\$32.00				\$32.00
4d	Metal Beam Rail (R-B MASH) Guide Rail, Median MD-B (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_22	I.f.	\$32.00				\$32.00
Span Section Type II							
5	Metal Beam Rail (R-B MASH) Guide Rail, Span Section Type II, Drawing No., HW-910_24	ea.	\$4,150.00				\$5,250.00
Span Section Type III							
6	Metal Beam Rail (R-B MASH) Guide Rail, Span Section Type III, Drawing No., HW-910_24	ea.	\$4,775.00				\$5,000.00
Transition RB-350 to RB-MASH							
7	Metal Beam Rail (R-B MASH) Guide Rail, Transition RB-350 to RB-MASH, Drawing No., HW-910_25	I.f.	\$28.00				\$28.00

District 3				Total Force, LLC	Atlas Indus.
Item Number	Item Name	Unit	Award amount	Award amount	
Metal Beam Rail (R-B MASH) Guide Rail					
Transition MD-B 350 to MD-B MASH					
8	Metal Beam Rail, (R-B MASH) Guide Rail, Transition MD-B 350 to MD-B MASH, Drawing No., HW-910_25	lf.	\$35.00		\$35.00
Shop Bent Railing - R-B MASH					
9a	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing - R-B MASH, 5 lf. to 25 lf., Drawing No., HW-910_21	lf.	\$50.00		\$50.00
9b	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing - R-B MASH, 26 lf. to 75 lf., Drawing No., HW-910_21	lf.	\$35.00		\$43.00
9c	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing - R-B MASH, 76 lf. to 125 lf., Drawing No., HW-910_21	lf.	\$31.00		\$30.00
9d	Metal beam Rail, (R-B MASH) Guide Rail, Shop bent Railing - R-B MASH, 126 lf. to 150 lf., Drawing No., HW-910_21	lf.	\$28.50		\$28.00
Shop Bent Railing -MD-B MASH					
10a	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing -MD-B MASH, 5 lf. to 25 lf., Drawing No., HW-910_22	lf.	\$55.00		\$100.00
10b	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing -MD-B MASH, 26 lf. to 75 lf., Drawing No., HW-910_22	lf.	\$50.00		\$50.00
10c	Metal Beam Rail, (R-B MASH) Guide Rail, Shop Bent Railing -MD-B MASH, 76 lf. to 125 lf., Drawing No., HW-910_22	lf.	\$50.00		\$50.00
10d	Metal beam Rail, (R-B MASH) Guide Rail, Shop bent Railing - MD-B MASH, 126 lf. to 150 lf., Drawing No., HW-910_22	lf.	\$45.00		\$50.00
Remove and Dispose of Metal Beam Rail					
11	Metal Beam Rail, (R-B MASH) Guide Rail, Remove and Dispose of Metal Beam Rail, Drawing No., HW-910_20	lf.	\$2.00		\$1.00
Repair Existing Metal Beam Rail					
12	Metal Beam Rail, (R-B MASH) Guide Rail, Repair Existing Metal Beam Rail, Drawing No., HW-910_21	lf.	\$15.00		\$15.00
Reset Metal Beam Post					
13	Metal Beam Rail, (R-B MASH) Guide Rail, Reset Metal Beam Post, Drawing No., HW-910_21	ea.	\$50.00		\$50.00
Reset Metal Beam Rail					
14	Metal Beam Rail, (R-B MASH) Guide Rail, Reset Metal Beam Rail, Drawing No., HW-910_21	lf.	\$15.00		\$15.00
Type I Anchorage					
15	Metal Beam Rail, (R-B MASH) Guide Rail, Type I Anchorage, Drawing No., HW-911_01	ea.	\$1,200.00		\$1,199.00

District 3					
Item Number	Item Name	Total Fees, LLC		RTAS Index	
		Com. Award amount		Award Amount	
Metal Beam Rail (R-B MASH) Guide Rail					
Type II Anchorage					
16	Metal Beam Rail, (R-B MASH) Guide Rail, Type II Anchorage, Drawing No., HW-311_01	ea. \$1,200.00		\$1,200.00	
MD-B End Anchorage Type I					
17	Metal Beam Rail, (R-B MASH) Guide Rail, MD-B End Anchorage Type I, Drawing No., HW-311_02	ea. \$1,400.00		\$1,400.00	
Anchorage in Rock Cut Slope					
18	Metal Beam Rail, (R-B MASH) Guide Rail, Anchorage in Rock Cut Slope, Drawing No., HW-311_03	ea. \$1,150.00		\$1,150.00	
Anchorage in Earth Cut Slope					
19	Metal Beam Rail, (R-B MASH) Guide Rail, Anchorage in Earth Cut Slope, Drawing No., HW-311_03	ea. \$1,700.00		\$1,700.00	
R-B Terminal Section Including RB-350 to RB-MASH Transition					
20	Metal Beam Rail, (R-B MASH) Guide Rail, R-B Terminal Section Including RB-350 to RB-MASH Transition, Drawing No., HW-310_17	ea. \$1,700.00		\$1,599.00	
21	Metal Beam Rail, (R-B MASH) Guide Rail, Night Work Additional - R-B MASH Guide Rail, Drawing No., HW-310_21	lf. \$0.00		\$0.00	
22	Metal Beam Rail, (R-B MASH) Guide Rail, Night Work Additional - Anchorage, Drawing No., HW-311_01	ea. \$0.00		\$0.00	
23	Metal Beam Rail, (R-B MASH) Guide Rail, Percentage off R-B MASH Items not listed above	% 0%		2%	

District 3									
Item Number	Item Name	Unit	Quantity	Unit Price	Total Price	Notes	Material	Installation	Other
Metal Beam Rail (R-B 350) Guide Rail									
Standard System (6'-3" Post Spacing)									
24a	Metal Beam Rail (R-B 350) Guide Rail, Standard System (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_02	lf.	534.00		\$29.90				
24b	Metal Beam Rail (R-B 350) Guide Rail, Standard System (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_02	lf.	\$23.00		\$23.00				
24c	Metal Beam Rail (R-B 350) Guide Rail, Standard System (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_02	lf.	\$22.00		\$23.90				
24d	Metal Beam Rail (R-B 350) Guide Rail, Standard System (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_02	lf.	\$21.50		\$23.90				
System 5									
25a	Metal Beam Rail (R-B 350) Guide Rail, System 5, 11 ft. to 500 ft., Drawing No., HW-910_04	lf.	\$35.00		\$38.00				
25b	Metal Beam Rail (R-B 350) Guide Rail, System 5, 501 ft. to 1500 ft., Drawing No., HW-910_04	lf.	\$35.00		\$36.00				
25c	Metal Beam Rail (R-B 350) Guide Rail, System 5, 1501 ft. to 5000 ft., Drawing No., HW-910_04	lf.	\$35.00		\$34.00				
25d	Metal Beam Rail (R-B 350) Guide Rail, System 5, 5001 ft. and over, Drawing No., HW-910_04	lf.	\$35.00		\$34.00				
System 5A									
26a	Metal Beam Rail (R-B 350) Guide Rail, System 5A, 11 ft. to 500 ft., Drawing No., HW-910_04	lf.	\$45.00		\$55.00				
26b	Metal Beam Rail (R-B 350) Guide Rail, System 5A, 501 ft. to 1500 ft., Drawing No., HW-910_04	lf.	\$45.00		\$54.00				
26c	Metal Beam Rail (R-B 350) Guide Rail, System 5A, 1501 ft. to 5000 ft., Drawing No., HW-910_04	lf.	\$44.00		\$50.00				
26d	Metal Beam Rail (R-B 350) Guide Rail, System 5A, 5001 ft. and over, Drawing No., HW-910_04	lf.	\$44.00		\$50.00				
System 6									
27a	Metal Beam Rail (R-B 350) Guide Rail, System 6, 11 ft. to 500 ft., Drawing No., HW-910_04	lf.	\$140.00		\$155.00				
27b	Metal Beam Rail (R-B 350) Guide Rail, System 6, 501 ft. to 1500 ft., Drawing No., HW-910_04	lf.	\$135.00		\$150.00				
27c	Metal Beam Rail (R-B 350) Guide Rail, System 6, 1501 ft. to 5000 ft., Drawing No., HW-910_04	lf.	\$135.00		\$150.00				
27d	Metal Beam Rail (R-B 350) Guide Rail, System 6, 5001 ft. and over, Drawing No., HW-910_04	lf.	\$135.00		\$150.00				
Median - MD-B (6'-3" Post Spacing)									
28a	Metal Beam Rail (R-B 350) Guide Rail, Median - MD-B (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_03	lf.	\$29.00		\$38.90				
28b	Metal Beam Rail (R-B 350) Guide Rail, Median - MD-B (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_03	lf.	\$33.50		\$33.50				
28c	Metal Beam Rail (R-B 350) Guide Rail, Median - MD-B (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_03	lf.	\$33.00		\$33.50				
28d	Metal Beam Rail (R-B 350) Guide Rail, Median - MD-B (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_03	lf.	\$33.00		\$33.50				
Span Type 1									
29	Metal Beam Rail (R-B 350) Guide Rail, Span Type 1, Drawing No., HW-910_05	ea.	\$2,800.00		\$5,000.00				

District 3				Total Fabric, LLC		Artist Indus-	
Item Number	Item Name	Unit	Quantity	Award Amount	Award Amount	Award Amount	Award Amount
Metal Beam Rail (R-B 350) Guide Rail							
Span Type II							
30	Metal Beam Rail, (R-B 350) Guide Rail, Span Type II, Drawing No., HW-970_05	ea.	3,500.00			\$5,775.00	
Span Type III							
31	Metal Beam Rail, (R-B 350) Guide Rail, Span Type III, Drawing No., HW-970_05	ea.	4,350.00			\$7,590.00	
Safety Shape Bridge Attachment							
32	Metal Beam Rail, (R-B 350) Guide Rail, Safety Shape Bridge Attachment, Drawing No., HW-970_06	ea.	2,400.00			\$2,400.00	
Vertical Shape Parapet Bridge Attachment							
33	Metal Beam Rail, (R-B 350) Guide Rail, Vertical Shape Parapet Bridge Attachment, Drawing No., HW-970_07	ea.	2,400.00			\$2,400.00	
Bridge Attachment - Trailing End							
34	Metal Beam Rail, (R-B 350) Guide Rail, Bridge Attachment - Trailing End, Drawing No., HW-970_08	ea.	750.00			\$580.00	
Transition from MD-B to RI							
35	Metal Beam Rail, (R-B 350) Guide Rail, Transition from MD-B to RI, Drawing No., HW-970_09a	ea.	2,000.00			\$400.00	
Transition from MD-B to Bridge Attachment							
36	Metal Beam Rail, (R-B 350) Guide Rail, Transition from MD-B to Bridge Attachment, Drawing No., HW-970_09a	ea.	2,000.00			\$400.00	
Transition from MD-1 to R-B 350							
37	Metal Beam Rail, (R-B 350) Guide Rail, Transition from MD-1 to R-B 350, Drawing No., HW-970_09a	ea.	1,500.00			\$400.00	
Strength Transition from R-B 350 to MD-B 350							
38	Metal Beam Rail, (R-B 350) Guide Rail, Strength Transition of R-B 350 to MD-B 350, Drawing No., HW-970_09b	ea.	900.00			\$400.00	
Strength Transition from R-1 to MD-B 350							
39	Metal Beam Rail, (R-B 350) Guide Rail, Strength Transition from R-1 to MD-B 350, Drawing No., HW-970_09b	ea.	900.00			\$400.00	

District 3		Total Fees, LLC		Award Amount		Award Amount	
Item Number	Item Name	Unit	Award Amount	Unit	Award Amount	Unit	Award Amount
Metal Beam Rail (R-B 350) Guide Rail							
Strength Transition from R-1 to R-B 350							
40	Metal Beam Rail (R-B 350) Guide Rail, Strength Transition from R-1 to R-B 350, Drawing No., HW-910_086	ea.	\$950.00				\$400.00
Strength Transition from MD-1 to MD-B 350							
41	Metal Beam Rail (R-B 350) Guide Rail, Strength Transition from MD-1 to MD-B 350, Drawing No., HW-910_085	ea.	\$1,500.00				\$400.00
Median Guide Rail Transition for Fixed Object							
42	Metal Beam Rail (R-B 350) Guide Rail, Median Guide Rail Transition for Fixed Object, Drawing No., HW-910_095	l.f.	\$52.00				\$400.00
Curved Guide Rail Treatment							
43	Metal Beam Rail (R-B 350) Guide Rail, Curved Guide Rail Treatment, Drawing No., HW-910_11	l.f.	\$40.00				\$50.00
Median MD-B Barrier Safety Attachment - Type I							
44	Metal Beam Rail (R-B 350) Guide Rail, Median MD-B Barrier Safety Attachment - Type I, Drawing No., HW-910_15	ea.	\$3,000.00				\$3,550.00
Median MD-B Barrier Safety Attachment - Type II							
45	Metal Beam Rail (R-B 350) Guide Rail, Median MD-B Barrier Safety Attachment - Type II, Drawing No., HW-910_16	ea.	\$3,400.00				\$5,250.00
Convert R-B 350 to R-B MASH							
46	Metal Beam Rail (R-B 350) Guide Rail, Convert R-B 350 to R-B MASH, Drawing No., HW-910_25	l.f.	\$32.00				\$17.00
Convert MD-B to MD-B MASH							
47	Metal Beam Rail (R-B 350) Guide Rail, Convert MD-B to MD-B MASH, Drawing No., HW-910_25	l.f.	\$50.00				\$25.00
Convert and Split MD-B into two R-B MASH							
48	Metal Beam Rail (R-B 350) Guide Rail, Convert and Split MD-B into two R-B MASH, Drawing No., HW-910_22	l.f.	\$65.00				\$43.00
Shop Bent Railing - R-B 350							
49a	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - R-B 350, 51' to 25' l.f., Drawing No., HW-910_02	l.f.	\$50.00				\$50.00
49b	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - R-B 350, 25' l.f. to 75' l.f., Drawing No., HW-910_02	l.f.	\$35.00				\$45.00
49c	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - R-B 350, 75' l.f. to 125' l.f., Drawing No., HW-910_02	l.f.	\$31.00				\$50.00
49d	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - R-B 350, 125' l.f. to 150' l.f., Drawing No., HW-910_02	l.f.	\$28.50				\$28.00
Shop Bent Railing - MD-B 350							
50a	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - MD-B 350, 51' to 25' l.f., Drawing No., HW-910_02	l.f.	\$58.50				\$100.00
50b	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - MD-B 350, 25' l.f. to 75' l.f., Drawing No., HW-910_02	l.f.	\$43.50				\$50.00
50c	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - MD-B 350, 75' l.f. to 125' l.f., Drawing No., HW-910_02	l.f.	\$39.50				\$50.00
50d	Metal Beam Rail (R-B 350) Guide Rail, Shop Bent Railing - MD-B 350, 125' l.f. to 150' l.f., Drawing No., HW-910_02	l.f.	\$37.00				\$50.00
Repair Existing Metal Beam Rail							
51	Metal Beam Rail (R-B 350) Guide Rail, Repair Existing Metal Beam Rail, Drawing No., HW-910_02	l.f.	\$17.00				\$15.00

Item		District 3		Total Firms, LLC		Atize Indus.	
Item Number	Item Name	Item Name	Item Name	Item Name	Item Name	Item Name	Item Name
Metal Beam Rail (R-B 350) Guide Rail							
52	Metal Beam Rail, (R-B 350) Guide Rail, Remove and Dispose of Metal Beam Rail, Drawing No., HW-910_01	Remove and Dispose of Metal Beam Rail	ea.	\$2.50		\$1.00	
53	Metal Beam Rail, (R-B 350) Guide Rail, Reset Metal Beam Post, Drawing No., HW-910_01	Reset Metal Beam Post	ea.	\$50.00		\$50.00	
54	Metal Beam Rail, (R-B 350) Guide Rail, Reset Metal Beam Rail, Drawing No., HW-910_01	Reset Metal Beam Rail	lf.	\$55.00		\$15.00	
55	Metal Beam Rail, (R-B 350) Guide Rail, Type I Anchorage, Drawing No., HW-911_01	Type I Anchorage	ea.	\$1,225.00		\$1,250.00	
56	Metal Beam Rail, (R-B 350) Guide Rail, Type II Anchorage, Drawing No., HW-911_01	Type II Anchorage	ea.	\$1,225.00		\$1,250.00	
57	Metal Beam Rail, (R-B 350) Guide Rail, MD-B End Anchorage Type I, Drawing No., HW-911_02	MD-B End Anchorage Type I	ea.	\$1,400.00		\$1,450.00	
58	Metal Beam Rail, (R-B 350) Guide Rail, Anchorage in Rock Cut Slope, Drawing No., HW-911_03	Anchorage in Rock Cut Slope	ea.	\$1,200.00		\$1,150.00	
59	Metal Beam Rail, (R-B 350) Guide Rail, Anchorage in Earth Cut Slope, Drawing No., HW-911_03	Anchorage in Earth Cut Slope	ea.	\$1,600.00		\$1,850.00	
60	Metal Beam Rail, (R-B 350) Guide Rail, R-B Terminal Section, Drawing No., HW-910_17	R-B Terminal Section	ea.	\$1,650.00		\$1,799.00	
61	Metal Beam Rail, (R-B 350) Guide Rail, Night Work Additional: R-B 350 Guide Rail, Drawing No., HW-910_02	Night Work Additional: R-B 350 Guide Rail	lf.	\$0.00		\$0.00	
62	Metal Beam Rail, (R-B 350) Guide Rail, Night Work Additional: Anchorage, Drawing No., HW-911_01	Night Work Additional: Anchorage	ea.	\$0.00		\$0.00	
63	Metal Beam Rail, (R-B 350) Guide Rail, Percentage off R-B 350 items not listed above	Percentage off R-B 350 items not listed above	%	0%		2%	

District 3				Total Project, LLC		Price Units	
Item Number	Item Name	Uom	Amount	Amount	Amount	Amount	Amount
Metal Beam Rail (Modified Type R-1) Guide Rail							
Standard System (12'-6" Post Spacing)							
64a	Metal Beam Rail (Modified Type R-1) Guide Rail, Standard System (12'-6" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_19c	lf.	\$21.50			\$25.00	
64b	Metal Beam Rail (Modified Type R-1) Guide Rail, Standard System (12'-6" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_19c	lf.	\$18.50			\$20.00	
64c	Metal Beam Rail (Modified Type R-1) Guide Rail, Standard System (12'-6" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_19c	lf.	\$18.50			\$20.00	
64d	Metal Beam Rail (Modified Type R-1) Guide Rail, Standard System (12'-6" Post Spacing), 5001 ft. and over, Drawing No., HW-910_19c	lf.	\$18.50			\$20.00	
Standard System (6'-3" Post Spacing)							
65a	Metal Beam Rail (Modified Type R-1) Guide Rail, System 2 (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_19c	lf.	\$24.50			\$27.25	
65b	Metal Beam Rail (Modified Type R-1) Guide Rail, System 2 (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_19c	lf.	\$22.50			\$24.25	
65c	Metal Beam Rail (Modified Type R-1) Guide Rail, System 2 (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_19c	lf.	\$22.50			\$24.25	
65d	Metal Beam Rail (Modified Type R-1) Guide Rail, System 2 (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_19c	lf.	\$22.50			\$24.25	
System 3 (3'-1-1/2" Post Spacing)							
66a	Metal Beam Rail (Modified Type R-1) Guide Rail, System 3 (3'-1-1/2" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_19c	lf.	\$34.50			\$38.00	
66b	Metal Beam Rail (Modified Type R-1) Guide Rail, System 3 (3'-1-1/2" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_19c	lf.	\$31.50			\$37.50	
66c	Metal Beam Rail (Modified Type R-1) Guide Rail, System 3 (3'-1-1/2" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_19c	lf.	\$31.50			\$37.50	
66d	Metal Beam Rail (Modified Type R-1) Guide Rail, System 3 (3'-1-1/2" Post Spacing), 5001 ft. and over, Drawing No., HW-910_19c	lf.	\$31.50			\$37.50	
Median - MD-1 (12'-6" Post Spacing)							
67a	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (12'-6" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_19c	lf.	\$30.25			\$30.00	
67b	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (12'-6" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_19c	lf.	\$26.50			\$27.00	
67c	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (12'-6" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_19c	lf.	\$26.50			\$27.00	
67d	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (12'-6" Post Spacing), 5001 ft. and over, Drawing No., HW-910_19c	lf.	\$26.50			\$27.00	
Median - MD-1 (6'-3" Post Spacing)							
68a	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (6'-3" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-910_19c	lf.	\$35.50			\$40.00	
68b	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (6'-3" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-910_19c	lf.	\$33.50			\$37.00	
68c	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (6'-3" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-910_19c	lf.	\$33.50			\$37.00	
68d	Metal Beam Rail (Modified Type R-1) Guide Rail, Median - MD-1 (6'-3" Post Spacing), 5001 ft. and over, Drawing No., HW-910_19c	lf.	\$33.50			\$37.00	
Shop Bent Railing - R-1							
69a	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - R-1, 51 ft. to 251 ft., Drawing No., HW-910_19c	lf.	\$29.00			\$50.00	
69b	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - R-1, 252 ft. to 751 ft., Drawing No., HW-910_19c	lf.	\$25.00			\$45.00	
69c	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - R-1, 752 ft. to 1251 ft., Drawing No., HW-910_19c	lf.	\$23.50			\$30.00	
69d	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - R-1, 1252 ft. to 1501 ft., Drawing No., HW-910_19c	lf.	\$23.50			\$28.00	
Shop Bent Railing - MD-1							
70a	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - MD-1, 51 ft. to 251 ft., Drawing No., HW-910_19c	lf.	\$45.00			\$100.00	
70b	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - MD-1, 252 ft. to 751 ft., Drawing No., HW-910_19c	lf.	\$42.00			\$50.00	
70c	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - MD-1, 752 ft. to 1251 ft., Drawing No., HW-910_19c	lf.	\$38.00			\$50.00	
70d	Metal Beam Rail (Modified Type R-1) Guide Rail, Shop Bent Railing - MD-1, 1252 ft. to 1501 ft., Drawing No., HW-910_19c	lf.	\$38.00			\$50.00	
Repair Existing Metal Beam Rail							
71	Metal Beam Rail (Modified Type R-1) Guide Rail, Repair Existing Metal Beam Rail, Drawing No., HW-910_19c	lf.	\$17.00			\$15.00	

District 3				Total Price, LLC		After Indus.	
Item Number	Item Name	Unit	Amount	Item	Amount	Item	Amount
Metal Beam Rail (Modified Type R-1) Guide Rail							
72	Metal Beam Rail, (Modified Type R-1) Guide Rail, Drawing No. HW-970_19c	lf.	\$2.25				\$2.50
73	Metal Beam Rail, (Modified Type R-1) Guide Rail, Reset Metal Beam Rail Post, Drawing No. HW-970_19c	ea.	\$60.00				\$60.00
74	Metal Beam Rail, (Modified Type R-1) Guide Rail, Reset Metal Beam Rail Beam, Drawing No. HW-970_19c	lf.	\$15.50				\$15.00
75	Metal Beam Rail, (Modified Type R-1) Guide Rail, Convert RI To R-B MASH, Drawing No. HW-970_21	lf.	\$25.05				\$25.00
76	Metal Beam Rail, (Modified Type R-1) Guide Rail, Type I Anchorage, Drawing No. HW-971_19a	ea.	\$1,225.00				\$1,250.00
77	Metal Beam Rail, (Modified Type R-1) Guide Rail, Type II Anchorage, Drawing No. HW-971_19b	ea.	\$1,225.00				\$1,230.00
78	Metal Beam Rail, (Modified Type R-1) Guide Rail, Type MD-1 Anchorage, Drawing No. HW-971_18	ea.	\$1,400.00				\$1,450.00
79	Metal Beam Rail, (Modified Type R-1) Guide Rail, Anchorage in Rock Cut Slope, Drawing No. HW-971_03	ea.	\$1,200.00				\$1,150.00
80	Metal Beam Rail, (Modified Type R-1) Guide Rail, Anchorage in Earth Cut Slope, Drawing No. HW-971_03	ea.	\$1,800.00				\$1,799.00
81	Metal Beam Rail, (Modified Type R-1) Guide Rail, Night Work Additional Modified Type - R-1 Guide Rail, Drawing No. HW-970_19c	lf.	\$0.00				\$0.00
82	Metal Beam Rail, (Modified Type R-1) Guide Rail, Night Work Additional Anchorage, Drawing No. HW-971_19a	ea.	\$0.00				\$0.00
83	Metal Beam Rail, (Modified Type R-1) Guide Rail, Percentage off Modified R-1 Items not listed above	%	0%				2%

District 3				Total Project L.C.		Actual Project	
Item Number	Item Name	Unit	Availd amount	Availd Amount			
Metal Beam Rail 6" x 6" Box Beam							
Standard System (6'-0" Post Spacing)							
84a	Metal Beam Rail, 6" X 6" Box Beam, Standard System, 11 ft. to 500 ft., Drawing No., BB6X6-2	lf.	\$60.50	\$60.00			
84b	Metal Beam Rail, 6" X 6" Box Beam, Standard System, 501 ft. to 1500 ft., Drawing No., BB6X6-2	lf.	\$55.20	\$55.00			
84c	Metal Beam Rail, 6" X 6" Box Beam, Standard System, 1501 ft. to 5000 ft., Drawing No., BB6X6-2	lf.	\$55.20	\$55.00			
84d	Metal Beam Rail, 6" X 6" Box Beam, Standard System, 5001 ft. and over, Drawing No., BB6X6-2	lf.	\$55.20	\$55.00			
System 2 (3'-0" Post Spacing)							
85a	Metal Beam Rail, 6" X 6" Box Beam, System 2 (3'-0" Post Spacing), 11 ft. to 500 ft., Drawing No., BB6X6-2	lf.	\$70.20	\$70.00			
85b	Metal Beam Rail, 6" X 6" Box Beam, System 2 (3'-0" Post Spacing), 501 ft. to 1500 ft., Drawing No., BB6X6-2	lf.	\$65.10	\$65.00			
85c	Metal Beam Rail, 6" X 6" Box Beam, System 2 (3'-0" Post Spacing), 1501 ft. to 5000 ft., Drawing No., BB6X6-2	lf.	\$65.10	\$65.00			
85d	Metal Beam Rail, 6" X 6" Box Beam, System 2 (3'-0" Post Spacing), 5001 ft. and over, Drawing No., BB6X6-2	lf.	\$65.10	\$65.00			
Shop Bent Box Beam							
86a	Metal Beam Rail, 6" X 6" Box Beam, Shop Bent Box Beam, 51 ft. to 25 ft., Drawing No., BB6X6-2	lf.	\$120.00	\$250.00			
86b	Metal Beam Rail, 6" X 6" Box Beam, Shop Bent Box Beam, 26 ft. to 75 ft., Drawing No., BB6X6-2	lf.	\$120.00	\$200.00			
86c	Metal Beam Rail, 6" X 6" Box Beam, Shop Bent Box Beam, 76 ft. to 125 ft., Drawing No., BB6X6-2	lf.	\$120.00	\$150.00			
86d	Metal Beam Rail, 6" X 6" Box Beam, Shop Bent Box Beam, 126 ft. to 150 ft., Drawing No., BB6X6-2	lf.	\$120.00	\$100.00			
Repair Existing Box Beam Guide Rail							
87	Metal Beam Rail, 6" X 6" Box Beam, Repair Existing Box Beam Guide Rail, Drawing No., BB6X6-1	lf.	\$100.00	\$100.00			
Remove and Dispose of Metal Beam Rail							
88	Metal Beam Rail, 6" X 6" Box Beam, Remove and Dispose of Metal Beam Rail, Drawing No., BB6X6-2	lf.	\$2.50	\$2.50			
Reset Metal Beam Rail Post							
89	Metal Beam Rail, 6" X 6" Box Beam, Reset Metal Beam Rail Post, Drawing No., BB6X6-1	ea.	\$150.00	\$55.00			
Reset Metal Beam Rail Beam							
90	Metal Beam Rail, 6" X 6" Box Beam, Reset Metal Beam Rail Beam, Drawing No., BB6X6-1	lf.	\$80.00	\$35.00			
6" x 8" to 6" x 6" Box Beam End Reducer							
91	Metal Beam Rail, 6" X 6" Box Beam, 6" X 8" to 6" X 6" Box Beam End Reducer, Drawing No., BB6X6-1	lf.	\$200.00	\$500.00			
92a	Metal Beam Rail, 6" X 6" Box Beam, 6" X 6" Box Beam End Assembly, Drawing No., BB6X6-1 (Type 1)	ea.	\$1,050.00	\$1,000.00			
92b	Metal Beam Rail, 6" X 6" Box Beam, 6" X 6" Box Beam End Assembly, Drawing No., BB6X6-2 (Type 2)	ea.	\$1,050.00	\$2,950.00			
93	Metal Beam Rail, 6" X 6" Box Beam, Night Work Additional: 6" X 6" Box Beam Guide Rail, Drawing No., BB6X6-1	lf.	\$0.00	\$0.00			
94	Metal Beam Rail, 6" X 6" Box Beam, Night Work Additional: Anchorage, Drawing No., BB6X6-2	ea.	\$0.00	\$0.00			
95	Metal Beam Rail, 6" X 6" Box Beam, Percentage off 6" X 6" Box Beam, Items not listed above	%	0%	2%			

District 3				Total Fence LLC		Award Amount		Award Index	
Item Number	Item Name	Unit	Quantity	Award amount					
Metal Beam Rail 8" x 6" Box Beam									
Standard System (6'-0" Post Spacing)									
96a	Metal Beam Rail, 8" X 6" Box Beam, Standard System (6'-0" Post Spacing), 111' to 500' Lf., Drawing No., HW-970_10	Lf.	389.00	\$84.00					
96b	Metal Beam Rail, 8" X 6" Box Beam, Standard System (6'-0" Post Spacing), 501' Lf. to 1500' Lf., Drawing No., HW-970_10	Lf.	1,000.00	\$75.00					
96c	Metal Beam Rail, 8" X 6" Box Beam, Standard System (6'-0" Post Spacing), 1501' Lf. to 5000' Lf., Drawing No., HW-970_10	Lf.	3,500.00	\$75.00					
96d	Metal Beam Rail, 8" X 6" Box Beam, Standard System (6'-0" Post Spacing), 5001' Lf. and over, Drawing No., HW-970_10	Lf.	75.00	\$75.00					
System 2 (3'-0" Post Spacing)									
97a	Metal Beam Rail, 8" X 6" Box Beam, System 2 (3'-0" Post Spacing), 111' to 500' Lf., Drawing No., HW-970_10	Lf.	389.00	\$90.00					
97b	Metal Beam Rail, 8" X 6" Box Beam, System 2 (3'-0" Post Spacing), 501' Lf. to 1500' Lf., Drawing No., HW-970_10	Lf.	1,000.00	\$88.00					
97c	Metal Beam Rail, 8" X 6" Box Beam, System 2 (3'-0" Post Spacing), 1501' Lf. to 5000' Lf., Drawing No., HW-970_10	Lf.	3,500.00	\$85.25					
97d	Metal Beam Rail, 8" X 6" Box Beam, System 2 (3'-0" Post Spacing), 5001' Lf. and over, Drawing No., HW-970_10	Lf.	75.00	\$85.25					
Shop Bent Box Beam									
98a	Metal Beam Rail, 8" X 6" Box Beam, Shop Bent Box Beam, 511' to 75' Lf., Drawing No., HW-970_10	Lf.	150.00	\$200.00					
98b	Metal Beam Rail, 8" X 6" Box Beam, Shop Bent Box Beam, 76' Lf. to 125' Lf., Drawing No., HW-970_10	Lf.	50.00	\$150.00					
98c	Metal Beam Rail, 8" X 6" Box Beam, Shop Bent Box Beam, 126' Lf. to 150' Lf., Drawing No., HW-970_10	Lf.	25.00	\$150.00					
98d	Metal Beam Rail, 8" X 6" Box Beam, Shop Bent Box Beam, 151' Lf. to 150' Lf., Drawing No., HW-970_10	Lf.	1.00	\$150.00					
Repair Existing Box Beam Guide Rail									
99	Metal Beam Rail, 8" X 6" Box Beam, Repair Existing Box Beam Guide Rail, Drawing No., HW-970_10	Lf.	120.00	\$200.00					
Remove and Dispose of Metal Beam Rail									
100	Metal Beam Rail, 8" X 6" Box Beam, Remove and Dispose of Metal Beam Rail, Drawing No., HW-970_10	Lf.	5.00	\$2.50					
Reset Metal Beam Rail Post									
101	Metal Beam Rail, 8" X 6" Box Beam, Reset Metal Beam Rail Post, Drawing No., HW-970_10	ea.	55.00	\$55.00					
Reset Metal Beam Rail Beam									
102	Metal Beam Rail, 8" X 6" Box Beam, Reset Metal Beam Rail Beam, Drawing No., HW-970_10	Lf.	80.00	\$40.00					
8" x 6" Box Beam End Assembly									
103	Metal Beam Rail, 8" X 6" Box Beam, 8" X 6" Box Beam End Assembly, Drawing No., HW-970_10	Lf.	1,250.00	\$1,300.00					
104	Metal Beam Rail, 8" X 6" Box Beam, Night Work Additional - 8" X 6" Box Beam Guide Rail, Drawing No., HW-970_10	Lf.	50.00	\$0.00					
105	Metal Beam Rail, 8" X 6" Box Beam, Night Work Additional - Anchorage, Drawing No., HW-970_10	ea.	50.00	\$0.00					
106	Metal Beam Rail, 8" X 6" Box Beam, Percentage off 8" X 6" Box Beam, Items not listed above	%	0%	2%					

District 3		Total Price - LUC		Add'l Indus.	
Item Number	Item Name	Unit	Award Amount	Average Amount	
Three Cable - 6" Wire Spacing Guide Rail					
Standard System (16'-0" Post Spacing)					
107a	Three Cable - 6" Wire Spacing, Guide Rail, Standard System (16'-0" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-918_01a	lf.	\$20.00	\$25.00	
107b	Three Cable - 6" Wire Spacing, Guide Rail, Standard System (16'-0" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-918_01a	lf.	\$14.00	\$13.50	
107c	Three Cable - 6" Wire Spacing, Guide Rail, Standard System (16'-0" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-918_01a	lf.	\$14.00	\$12.50	
107d	Three Cable - 6" Wire Spacing, Guide Rail, Standard System (16'-0" Post Spacing), 5001 ft. and over, Drawing No., HW-918_01a	lf.	\$14.00	\$12.40	
System 2 (8'-0" Post Spacing)					
108a	Three Cable - 6" Wire Spacing, Guide Rail, System 2 (8'-0" Post Spacing), 11 ft. to 500 ft., Drawing No., HW-918_01a	lf.	\$23.00	\$25.00	
108b	Three Cable - 6" Wire Spacing, Guide Rail, System 2 (8'-0" Post Spacing), 501 ft. to 1500 ft., Drawing No., HW-918_01a	lf.	\$17.00	\$19.00	
108c	Three Cable - 6" Wire Spacing, Guide Rail, System 2 (8'-0" Post Spacing), 1501 ft. to 5000 ft., Drawing No., HW-918_01a	lf.	\$17.00	\$18.00	
108d	Three Cable - 6" Wire Spacing, Guide Rail, System 2 (8'-0" Post Spacing), 5001 ft. and over, Drawing No., HW-918_01a	lf.	\$17.00	\$17.00	
Repair Existing Three Cable Guide Rail					
109	Three Cable - 6" Wire Spacing, Guide Rail, Repair Existing Three Cable Guide Rail, Drawing No., HW-918_01a	lf.	\$25.00	\$25.00	
Remove and Dispose of Three Cable Guide Rail					
110	Three Cable - 6" Wire Spacing, Guide Rail, Remove and Dispose of Three Cable Guide Rail, Drawing No., HW-918_01a	lf.	\$1.00	\$1.00	
Reset 3 Cable Wire Post					
111	Three Cable - 6" Wire Spacing, Guide Rail, Reset 3 Cable Wire Post, Drawing No., HW-918_01a	ea.	\$60.00	\$50.00	
Reset 3 Cable Wire (3)					
112	Three Cable - 6" Wire Spacing, Guide Rail, Reset 3 Cable Wire (3), Drawing No., HW-918_01a	lf.	\$32.00	\$15.00	
Intermediate Section					
113	Three Cable - 6" Wire Spacing, Guide Rail, Intermediate Section, Drawing No., HW-918_01a	ea.	\$800.00	\$500.00	
Trailing End Attachment to Bridge					
114	Three Cable - 6" Wire Spacing, Guide Rail, Trailing End Attachment to Bridge, Drawing No., HW-918_01b	ea.	\$1,600.00	\$1,500.00	
Anchorage Unit - Right Hand					
115	Three Cable - 6" Wire Spacing, Guide Rail, Anchorage Unit - Right Hand, Drawing No., HW-918_01c	ea.	\$2,600.00	\$2,600.00	
Anchorage Unit - Left Hand					
116	Three Cable - 6" Wire Spacing, Guide Rail, Anchorage Unit - Left Hand, Drawing No., HW-918_01c	ea.	\$2,600.00	\$2,585.00	
117	Three Cable - 6" Wire Spacing, Guide Rail, Night Work Additional - Three Cable 6" Wire Spacing Guide Rail, Drawing No., HW-918_01a	lf.	\$0.00	\$0.00	
118	Three Cable - 6" Wire Spacing, Guide Rail, Night Work Additional - Anchorage, Drawing No., HW-918_01c	ea.	\$0.00	\$0.00	
119	Three Cable - 6" Wire Spacing, Guide Rail, Percentage off Three Cable Guide Rail Items not listed above	%	0%	2%	

District 3		Total Fence LLC		Price Index	
Item Number	Item Name	Unit	Amount	Amount	Amount
Merritt Parkway Guide Rail - 350					
Standard System (10'-0" Post Spacing)					
120a	Merritt Parkway, Guide Rail - 350, Standard System (10'-0" Post Spacing), 1 l.f. to 500 l.f., Drawing No., HW-910_12a	l.f.	\$75.00		\$75.00
120b	Merritt Parkway, Guide Rail - 350, Standard System (10'-0" Post Spacing), 501 l.f. to 1500 l.f., Drawing No., HW-910_12a	l.f.	\$75.00		\$75.00
120c	Merritt Parkway, Guide Rail - 350, Standard System (10'-0" Post Spacing), 1501 l.f. to 5000 l.f., Drawing No., HW-910_12a	l.f.	\$74.00		\$74.00
120d	Merritt Parkway, Guide Rail - 350, Standard System (10'-0" Post Spacing), 5001 l.f. and over, Drawing No., HW-910_12a	l.f.	\$74.00		\$74.00
System 2 (5'-0" Post Spacing)					
121a	Merritt Parkway, Guide Rail - 350, System 2 (5'-0" Post Spacing), 1 l.f. to 500 l.f., Drawing No., HW-910_12a	l.f.	\$150.00		\$150.00
121b	Merritt Parkway, Guide Rail - 350, System 2 (5'-0" Post Spacing), 501 l.f. to 1500 l.f., Drawing No., HW-910_12a	l.f.	\$114.00		\$113.00
121c	Merritt Parkway, Guide Rail - 350, System 2 (5'-0" Post Spacing), 1501 l.f. to 5000 l.f., Drawing No., HW-910_12a	l.f.	\$114.00		\$113.00
121d	Merritt Parkway, Guide Rail - 350, System 2 (5'-0" Post Spacing), 5001 l.f. and over, Drawing No., HW-910_12a	l.f.	\$114.00		\$113.00
System 3 (2'-6" Post Spacing)					
122a	Merritt Parkway, Guide Rail - 350, System 3 (2'-6" Post Spacing), 1 l.f. to 500 l.f., Drawing No., HW-910_12a	l.f.	\$230.00		\$150.00
122b	Merritt Parkway, Guide Rail - 350, System 3 (2'-6" Post Spacing), 501 l.f. to 1500 l.f., Drawing No., HW-910_12a	l.f.	\$149.25		\$149.25
122c	Merritt Parkway, Guide Rail - 350, System 3 (2'-6" Post Spacing), 1501 l.f. to 5000 l.f., Drawing No., HW-910_12a	l.f.	\$149.25		\$149.25
122d	Merritt Parkway, Guide Rail - 350, System 3 (2'-6" Post Spacing), 5001 l.f. and over, Drawing No., HW-910_12a	l.f.	\$149.25		\$149.25
System 3 (2'-6" Post Spacing)					
123a	Merritt Parkway, Guide Rail - 350, Median System (10'-0" Post Spacing), 1 l.f. to 500 l.f., Drawing No., HW-910_12d	l.f.	\$170.00		\$150.00
123b	Merritt Parkway, Guide Rail - 350, Median System (10'-0" Post Spacing), 501 l.f. to 1500 l.f., Drawing No., HW-910_12d	l.f.	\$134.00		\$134.00
123c	Merritt Parkway, Guide Rail - 350, Median System (10'-0" Post Spacing), 1501 l.f. to 5000 l.f., Drawing No., HW-910_12d	l.f.	\$134.00		\$134.00
123d	Merritt Parkway, Guide Rail - 350, Median System (10'-0" Post Spacing), 5001 l.f. and over, Drawing No., HW-910_12d	l.f.	\$134.00		\$134.00
Leading End Attachment					
124	Merritt Parkway, Guide Rail - 350, Leading End Attachment, Drawing No., HW-910_12c	ea.	\$2,800.00		\$3,200.00
Repair Existing Merritt Parkway Guide Rail					
125	Merritt Parkway, Guide Rail - 350, Repair Existing Merritt Parkway Guide Rail, Drawing No., HW-910_12a	l.f.	\$100.00		\$80.00
Remove and Dispose of Merritt Parkway Guide Rail					
125	Merritt Parkway, Guide Rail - 350, Remove and Dispose of Merritt Parkway Guide Rail, Drawing No., HW-910_12a	l.f.	\$5.00		\$5.00
Reset Merritt Parkway Post					
127	Merritt Parkway, Guide Rail - 350, Reset Merritt Parkway Post, Drawing No., HW-910_12a	ea.	\$100.00		\$200.00
Reset Merritt Parkway Beam					
128	Merritt Parkway, Guide Rail - 350, Reset Merritt Parkway Beam, Drawing No., HW-910_12a	l.f.	\$45.00		\$15.00
Median End Anchorage					
129	Merritt Parkway, Guide Rail - 350, Median End Anchorage, Drawing No., HW-910_12d	ea.	\$5,500.00		\$5,300.00

District 3									
Item Number	Item Name	Unit	Quantity	Unit Price	Total Price	Material	Installation	Removal	Notes
Merritt Parkway Guide Rail - 350									
130	Merritt Parkway, Guide Rail - 350, End Anchorage - Type I, Drawing No., HW-971_05	ea.	1	\$3,000.00	\$3,000.00				
131	Merritt Parkway, Guide Rail - 350, End Anchorage - Type II, Drawing No., HW-971_05	ea.	1	\$3,200.00	\$3,200.00				
132	Merritt Parkway, Guide Rail - 350, End Anchorage - Type III, Drawing No., HW-971_05	ea.	1	\$4,000.00	\$4,000.00				
133	Merritt Parkway, Guide Rail - 350, Night Work Additional - Merritt Parkway Guide Rail, Drawing No., HW-971_12	hr.	1	\$0.00	\$0.00				
134	Merritt Parkway, Guide Rail - 350, Night Work Additional - Anchorage, Drawing No., HW-971_05	ea.	1	\$0.00	\$0.00				
135	Merritt Parkway, Guide Rail - 350, Percentage of Merritt Parkway Guide Rail Items not listed above	%	0%	0%	0%				

District 3				Total Project, LLC		Bidder Index	
Item Number	Item Name	Uom	Award Amount	Award Amount			
Thrie Beam Metal 350 Guide Rail							
Standard System (6'-3" Post Spacing)							
136a	Thrie Beam Metal, 350 Guide Rail, Standard System (6'-3" Post Spacing), 11' to 500' l.f., Drawing No., HW-910_13a	l.f.	\$80.00			\$80.00	
136b	Thrie Beam Metal, 350 Guide Rail, Standard System (6'-3" Post Spacing), 501' l.f. to 1500' l.f., Drawing No., HW-910_13a	l.f.	\$49.50			\$50.00	
136c	Thrie Beam Metal, 350 Guide Rail, Standard System (6'-3" Post Spacing), 1501' l.f. to 5000' l.f., Drawing No., HW-910_13a	l.f.	\$49.50			\$50.00	
136d	Thrie Beam Metal, 350 Guide Rail, Standard System (6'-3" Post Spacing), 5001' l.f. and over, Drawing No., HW-910_13a	l.f.	\$49.50			\$50.00	
Shop Bent Thrie Beam							
137a	Thrie Beam Metal, 350 Guide Rail, Shop Bent Thrie Beam, 5' l.f. to 25' l.f., Drawing No., HW-910_13a	l.f.	no bid			\$200.00	
137b	Thrie Beam Metal, 350 Guide Rail, Shop Bent Thrie Beam, 26' l.f. to 75' l.f., Drawing No., HW-910_13a	l.f.	no bid			\$175.00	
137c	Thrie Beam Metal, 350 Guide Rail, Shop Bent Thrie Beam, 76' l.f. to 125' l.f., Drawing No., HW-910_13a	l.f.	no bid			\$150.00	
137d	Thrie Beam Metal, 350 Guide Rail, Shop Bent Thrie Beam, 126' l.f. to 150' l.f., Drawing No., HW-910_13a	l.f.	no bid			\$150.00	
Transition to W Beam							
138	Thrie Beam Metal, 350 Guide Rail, Transition to W Beam, Drawing No., HW-910_13b	ea.	\$700.00			\$700.00	
R-B 350 - Transition to Thrie-Beam Pedestal Mounted to Headwall							
139	Thrie beam Metal, 250 Guide Rail, R-B 350 Transition to Thrie-Beam Pedestal Mounted to Headwall, Drawing No., HW-910_13b	ea.	\$2,175.00			\$2,500.00	
Transition to Bridge Parapet with Safety Walk							
140	Thrie Beam Metal, 350 Guide Rail, Transition to Bridge Parapet with Safety Walk, Drawing No., HW-910_13b	ea.	\$2,150.00			\$2,370.00	
Transition to Bridge Attachment							
141	Thrie Beam Metal, 350 Guide Rail, Transition to Bridge Attachment, Drawing No., HW-910_14a	ea.	\$3,550.00			\$3,550.00	
Repair Existing Thrie Beam Guide Rail							
142	Thrie beam Metal, 350 Guide Rail, Repair Existing Thrie Beam Guide Rail, Drawing No., HW-910_13a	l.f.	\$100.00			\$110.00	
Remove and Dispose of Thrie Beam Guide Rail							
143	Thrie Beam Metal, 350 Guide Rail, Remove and Dispose of Thrie Beam Guide Rail, Drawing No., HW-910_13a	l.f.	\$6.00			\$5.00	
Reset Metal Beam Rail Post							
144	Thrie Beam Metal, 350 Guide Rail, Reset Metal Beam Rail Post, Drawing No., HW-910_13a	ea.	\$25.00			\$100.00	
Reset Metal Beam Rail Beam							
145	Thrie Beam Metal, 350 Guide Rail, Reset Metal beam rail beam, Drawing No., HW-910_13a	l.f.	\$25.10			\$25.00	
Transition to R-B 350 Guide Rail Anchorage Type I							
146	Thrie Beam Metal, 350 Guide Rail, Transition to R-B 350 Guide Rail Anchorage Type I, Drawing No., HW-910_14b	ea.	\$525.00			\$500.00	
147	Thrie Beam Metal, 350 Guide Rail, Night Work Additional - Thrie Beam Guide Rail, Drawing No., HW-910_13a	l.f.	\$0.00			\$0.00	
148	Thrie Beam Metal, 350 Guide Rail, Night Work Additional - Anchorage, Drawing No., HW-910_14b	ea.	\$0.00			\$0.00	
149	Thrie Beam Metal, 350 Guide Rail, Percentage off Thrie Beam Guide Rail items not listed above	%	0%			2%	

Item		District 3		Total Price (L&S)		AIA's Index	
Item Number	Item Name	Unit	Amount	Unit	Amount	Unit	Amount
Guide Rail Miscellaneous Items							
150	Excavate and Remove Existing Rock for Post (Rock Drill)	c.y.	\$3,000.00				\$4,000.00
151	Remove and Dispose of Concrete Anchor	ea.	\$400.00				\$400.00
152	Remove and Dispose of Existing Guide Rail and Accessories	lf.	\$1.00				\$1.00
152a	Remove and Dispose of Wood Poles and Accessories	lf.	\$0.50				\$0.50
153	Repair Bridge Attachment	lf.	\$150.00				\$55.00
154	Install 6" Long W 6 x 8.5 Post for RB System	ea.	\$57.00				\$55.00
155	Install 7'-6" Long W 6 x 8.5 Post for RB System	ea.	\$110.00				\$80.00
156	Install 5'-3" Long S 3 x 5.7 Post for Three Cable or RI System	ea.	\$100.00				\$65.00
157	Install 6" Long - 6" x 8" Control Release Timber (CRT) Wood Post	ea.	\$110.00				\$70.00
158	Install 8" Long - 6" x 14" Plastic Block Out	ea.	\$8.50				\$8.50
159	Install 12" Long - 6" x 14" Plastic Block Out	ea.	\$25.00				\$20.00
160	Install 12'-6" W-Beam Element (12 Ga.)	ea.	\$140.00				\$125.00
161	MBR - Steel Post on Base Plate (T-631)	ea.	\$375.00				\$300.00
162	Processed Aggregate Installed Under Rail (6" Hix4 WideXLength)	ton	\$65.00				\$85.00
163	Guide Rail Miscellaneous Items, Night Work/Additional Miscellaneous Item	lf.	\$0.00				\$0.00
164	Guide Rail Miscellaneous Items, Percentage of Miscellaneous Items not listed above	%	0%				2%

District 3				Total Fence LLC		At-Risk Indus.	
Item Number	Item Name	Unit	Award Amount	Award Amount	Award Amount	Award Amount	Award Amount
Impact Attenuation System Tangential							
165a	Impact Attenuation System, Tangential, SRT, QPL List	ea.	\$4,500.00			\$4,500.00	
165b	Impact Attenuation System, Tangential, SRT-SP, QPL List	ea.	\$3,650.00			\$3,650.00	
165c	Impact Attenuation System, Tangential, MXT-SP, QPL List	ea.	\$2,700.00			\$2,700.00	
165d	Impact Attenuation System, Tangential, MAX-Tension, QPL List	ea.	\$4,000.00			\$4,000.00	
165e	Impact Attenuation System, Tangential, BEAT, QPL List	ea.	\$6,000.00			\$6,000.00	
165f	Impact Attenuation System, Tangential, Grading for Impact Attenuator System (Tangential), HW-1800_03	ea.	\$450.00			\$450.00	
165g	Impact Attenuation System, Tangential, Night Work Additional Impact Attenuator System (Tangential), QPL List	ea.	\$0.00			\$0.00	
165h	Impact Attenuation System, Tangential, Percentage off Impact Attenuator Items not listed above, QPL List	%	0%			2%	
Impact Attenuation System Flared							
166a	Impact Attenuation System, Flared, SRT, QPL List	ea.	\$2,505.00			\$2,500.00	
166b	Impact Attenuation System, Flared, FLEAT-SP, QPL List	ea.	\$2,650.00			\$2,300.00	
166c	Impact Attenuation System, Flared, Grading for Impact Attenuator System (Flared), HW-1800_01	ea.	\$400.00			\$500.00	
166d	Impact Attenuation System, Flared, Night Work Additional Impact Attenuator System (Flared), QPL List	ea.	\$0.00			\$0.00	
166e	Impact Attenuation System, Flared, Percentage off Impact Attenuator Items not listed above, QPL List	%	0%			2%	
Impact Attenuation System Median/Gore							
167a	Impact Attenuation System, Median/Gore, CAT 350, QPL List	ea.	\$5,405.00			\$6,400.00	
167b	Impact Attenuation System, Median/Gore, CAT 350-Transition to Shoulder Guard Rail (RT & LT Shoulder Only), QPL List	ea.	\$8,000.00			\$8,000.00	
167c	Impact Attenuation System, Median/Gore, BEAT-MT, QPL List	ea.	\$8,500.00			\$8,550.00	
167d	Impact Attenuation System, Median/Gore, Grading for Impact Attenuator System (Median/Gore), HW-1800_02	ea.	\$525.00			\$500.00	
167e	Impact Attenuation System, Median/Gore, Night Work Additional Impact Attenuator System (Median/Gore), QPL List	ea.	\$0.00			\$0.00	
167f	Impact Attenuation System, Median/Gore, Percentage off Impact Attenuator Items not listed above, QPL List	%	0%			2%	

District 3									
Item Number	Item Name	Unit	Quantity	Unit Price	Total Price	LLC	Fixed Fee	Fixed Fee %	Fixed Fee Amount
Impact Attenuation System Non-Gating									
168a	Impact Attenuation System, Non-Gating, QuadGuard II (TL-3) Narrow - 24" Wide, QPL List	ea.		\$25,000.00					\$25,000.00
168b	Impact Attenuation System, Non-Gating, QuadGuard II (TL-3) Narrow - 30" Wide, QPL List	ea.		\$27,000.00					\$27,000.00
168c	Impact Attenuation System, Non-Gating, QuadGuard II (TL-3) Narrow - 36" Wide, QPL List	ea.		\$28,500.00					\$28,500.00
168d	Impact Attenuation System, Non-Gating, QuadGuard II (TL-3) Wide - 60" Wide, QPL List	ea.		\$32,000.00					\$32,000.00
168e	Impact Attenuation System, Non-Gating, QuadGuard II (TL-3) Wide - 60" Wide, QPL List	ea.		\$35,000.00					\$35,000.00
168f	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 30" Wide, QPL List	ea.		\$40,100.00					\$40,100.00
168g	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 42" Wide, QPL List	ea.		\$43,100.00					\$43,100.00
168h	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 48" Wide, QPL List	ea.		\$45,100.00					\$45,100.00
168i	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 60" Wide, QPL List	ea.		\$51,000.00					\$51,000.00
168j	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 64" Wide, QPL List	ea.		\$56,000.00					\$56,000.00
168k	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 50 mph - 96" Wide, QPL List	ea.		\$61,000.00					\$61,000.00
168l	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 30" Wide, QPL List	ea.		\$51,500.00					\$51,500.00
168m	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 42" Wide, QPL List	ea.		\$59,000.00					\$59,000.00
168n	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 48" Wide, QPL List	ea.		\$60,000.00					\$60,000.00
168o	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 60" Wide, QPL List	ea.		\$66,000.00					\$66,000.00
168p	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 84" Wide, QPL List	ea.		\$77,000.00					\$77,000.00
168q	Impact Attenuation System, Non-Gating, Universal TAU-IIR (TL-3) - 65 mph - 96" Wide, QPL List	ea.		\$81,500.00					\$81,500.00
170a	Impact Attenuation System, Non-Gating, Fast TRACC (TL-3) - 24" Wide, QPL List	ea.		\$32,750.00					\$32,750.00
170b	Impact Attenuation System, Non-Gating, Wide TRACC (TL-3) - 36" Wide, QPL List	ea.		\$36,000.00					\$36,000.00
171	Impact Attenuation System, Non-Gating, Grading for Impact Attenuator System Median/Gore, RM-1800, 02	ea.		\$1,350.00					\$1,350.00
172	Impact Attenuation System, Non-Gating, Reinforced Concrete Attenuator Pad, QPL List	c.y.		\$4,900.00					\$750.00
173	Impact Attenuation System, Non-Gating, Pre-Cast Reinforced Concrete Attenuator Pad, QPL List	c.y.		no bid					\$750.00
174	Impact Attenuation System, Non-Gating, Night Work Additional Impact Attenuator System Non-Gating, QPL List	ea.		\$0.00					\$0.00
175	Impact Attenuation System, Non-Gating, Night Work Additional Reinforced Concrete Attenuator Pad, QPL List	c.y.		\$0.00					\$0.00
176	Impact Attenuation System, Non-Gating, Percentage of Non-Gating Attenuator Items not listed above, QPL List	%		0%					2%

District 3					
Item Number	Item Name	Unit	Total Estimate	At-Risk Indbr.	Award Amount
Impact Attenuation System Non-Gating High Incident					
177a	Impact Attenuation System, Non-Gating High Incident, REACT 350 - 4-Cylinders, QPL List	ea.	\$40,500.00		\$39,950.00
177b	Impact Attenuation System, Non-Gating High Incident, REACT 350 - 6-Cylinders, QPL List	ea.	\$47,750.00		\$47,750.00
177c	Impact Attenuation System, Non-Gating High Incident, REACT 350 - 8-Cylinders, QPL List	ea.	\$55,500.00		\$55,500.00
178a	Impact Attenuation System, Non-Gating High Incident, SCI 100 GM - 24" Wide, QPL List	ea.	\$30,500.00		\$30,500.00
178b	Impact Attenuation System, Non-Gating High Incident, SCI 100 GM - 30" Wide, QPL List	ea.	\$37,500.00		\$38,000.00
178c	Impact Attenuation System, Non-Gating High Incident, SCI 100 GM - 36" Wide, QPL List	ea.	\$39,000.00		\$39,000.00
178d	Impact Attenuation System, Non-Gating High Incident, SCI 100 GM - 48" Wide, QPL List	ea.	\$43,500.00		\$43,500.00
178e	Impact Attenuation System, Non-Gating High Incident, SCI 100 GM - 60" Wide, QPL List	ea.	\$46,500.00		\$46,500.00
179	Impact Attenuation System, Non-Gating High Incident, Grading for Impact Attenuator System (Median/Gore) HI, HW-1800 02	ea.	\$1,500.00		\$1,000.00
180	Impact Attenuation System, Non-Gating High Incident, Reinforced Concrete Attenuator Pad, QPL List	c.y.	\$3,000.00		\$750.00
181	Impact Attenuation System, Non-Gating High Incident, Pre-Cast Reinforced Concrete Attenuator Pad, QPL List	c.y.	no bid		\$750.00
182	Impact Attenuation System, Non-Gating High Incident, Night Work Additional Impact Attenuator System Non-Gating HI, QPL List	ea.	\$0.00		\$0.00
183	Impact Attenuation System, Non-Gating High Incident, Night Work Additional Reinforced Concrete Attenuator Pad, QPL List	c.y.	\$0.00		\$0.00
184	Impact Attenuation System, Non-Gating High Incident, Percentage off Non-Gating HI Attenuator Items not listed above, QPL List	%	0%		2%

Complete-In-Place Installation and Removal of
Guide Rail and Impact Attenuation Systems

CONTRACT AWARD 18PSX0147
SUPPLEMENT #17

District 3					Total Forces LLC	Est. Index
Item Number	Item Name	Unit	Award amount	Award Amount		
Traffic Control						
Traffic Control - Guide Rail - Two Lane						
185a	Traffic Control - Guide Rail - Two Lane - 11 ft to 500 lf	lf	\$0.75		\$0.75	
185b	Traffic Control - Guide Rail - Two Lane - 501 lf to 1500 lf	lf	\$0.75		\$0.75	
185c	Traffic Control - Guide Rail - Two Lane - 1501 lf to 5000 lf	lf	\$0.75		\$0.75	
185d	Traffic Control - Guide Rail - Two Lane - 5001 lf and Over	lf	\$0.75		\$0.75	
185e	Traffic Control - Guide Rail - Two Lane - Truck Mounted or Trailer Mounted Attenuator (TMA) per unit	hr	\$30.00		\$30.00	
Traffic Control - Guide Rail - Expressway						
186a	Traffic Control -Guide Rail - Expressway - 11 lf to 500 lf	lf	\$1.00		\$1.00	
186b	Traffic Control -Guide Rail - Expressway - 501 lf to 1500 lf	lf	\$1.00		\$1.00	
186c	Traffic Control -Guide Rail - Expressway - 1501 lf to 5000 lf	lf	\$1.00		\$1.00	
186d	Traffic Control -Guide Rail - Expressway - 5001 lf and Over	lf	\$1.00		\$1.00	
186e	Traffic Control -Guide Rail - Expressway - Truck Mounted or Trailer Mounted Attenuator (TMA) per unit	hr	\$30.00		\$30.00	
Traffic Control - Attenuator & Misc. Item Installation						
187a	Traffic Control - Attenuator & Misc Item Installation, Traffic Control for Attenuator & Misc Item (Work Zone)	hr	\$90.00		\$90.00	
187b	Traffic Control - Attenuator & Misc Item Installation, Truck Mounted or Trailer Mounted Attenuator (TMA) per unit	hr	\$90.00		\$30.00	
Traffic Control - Traffic Persons						
188a	Traffic Control - Traffic Persons, Municipal Police Officer (per each)	hr	\$85.00		\$85.00	
188b	Traffic Control - Traffic Persons, Uniformed Flagger (per each)	hr	\$60.00		\$50.00	
188c	Traffic Control Night Work Additional, Traffic Control - Guide Rail - Two Lane	lf	\$0.00		\$0.00	
188d	Traffic Control Night Work Additional, Traffic Control - Guide Rail - Expressway	lf	\$0.00		\$0.00	
188e	Traffic Control Night Work Additional, Traffic Control - Attenuator & Misc. Item (Work Zone)	hr	\$0.00		\$0.00	
188f	Traffic Control Night Work Additional, Truck Mounted or Trailer Mounted Attenuator (TMA) per unit	hr	\$0.00		\$0.00	
188g	Traffic Control Night Work Additional, Municipal Police Officer (per each)	hr	\$0.00		\$0.00	
188h	Traffic Control Night Work Additional, Uniformed Flagger (per each)	hr	\$0.00		\$0.00	
189	Traffic Control, Percentage off Miscellaneous items not listed above	%	0%		2%	
190	Additional hand digging beyond what is considered incidental work for the complete in place installation	per hole	\$140.00		\$100.00	

