

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Project Name: MILL CREEK BRIDGE REPLACEMENT
MILL CREEK ROAD
OVER MILL CREEK MONTGOMERY BRIDGE
MONTGOMERY COUNTY
USA



Architect: -
Engineer: THOMAS R. KULESHER
Customer: R.E. PIERSON

Job Type: Lump Sum

Estimator: admin
Creation Date: 9/7/2022
Last Modified: 9/7/2022
Status: Complete

Escalation: No

Segment Summary

Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
Included Segments:					
MILL CREEK BRIDGE	69,646	0	0	69,646	No
ABUTMENT 1	11,311	0	0	11,311	No
ABUTMENT 2	15,839	0	0	15,839	No
APPROACH SLAB 1	10,278	0	0	10,278	No
APPROACH SLAB 2	14,104	0	0	14,104	No
MOMENT SLAB A	2,022	0	0	2,022	No
MOMENT SLAB C	2,014	0	0	2,014	No
SUPERSTRUCTURE	13,191	0	0	13,191	No
DIAPHRAGMS	716	0	0	716	No
TYPE D-W ENDWALL (18" PIPE)	171	0	0	171	No

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Size Unit: Imperial	Building Code: ACI 1983
Length Unit: Feet - Inches	Concrete Strength: 3000
Weight Unit: Pounds	Lap Table:
Soft Hooks: No	Estimating Lap: 48D
Seismic Hooks: No	Steel Manufactured In: ANY
	Tie Clearance: 0-012
	Spiral Clearance: 0-03
	Spacing Tolerance: 0-00
Rebar Coating: Black	Rebar Grade: 60
Plain Coating: Black	Plain Grade: 60
Number of lap lengths to extend a stock bar before lapping: 1	

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
1	GI	Segment: MILL CREEK BRIDGE Sub-Segment: ABUTMENT 1																	
2	MT	ABUTMENT 1 - SHEET:11																	
3	TR	BF		E60	1			1	10/3	S	4-002							2	EW301
4	TR	BF		E60	5			1	10/3	S	6-06							12	EW302
5	TR	BF		E60	4			1	10/3	S	11-03							17	EW303
6	TR	BF		E60	4			1	10/3	S	13-11							21	EW304
7	TR	BF		E60	4			1	10/3	S	9-02							14	EW305
8	TR	BF		E60	19			1	10/3	L	14-03							102	EW306
9	TR	BF		E60	20			1	10/3	L	11-08							88	EW307
10	TR	BF		60	68			1	13/4	H	2-03							102	F401
11	TR	BF		E60	32			1	13/4	S	3-06							75	EW403
12	TR	BF		60	23			1	16/5	S	8-05							202	F501
13	TR	BF		60	20			1	16/5	S	16-05							342	F502
14	TR	BF		60	22			1	16/5	S	32-11							755	F503
15	TR	BF		60	22			1	16/5	S	20-05							468	F504
16	TR	BF		60	24			1	16/5	S	3-03							81	EF505
17	TR	BF		60	44			1	16/5	S	3-09							172	EF506
18	TR	BF		60	12			1	16/5	S	3-09							47	EF507
19	TR	BF		E60	44			1	16/5	H	8-08							398	EW501
20	TR	BF		E60	36			1	16/5	S	32-01							1,205	EW502
21	TR	BF		E60	36			1	16/5	S	17-11							673	EW503
22	TR	BF		E60	12			1	16/5	S	14-03							178	EW504
23	TR	BF		E60	12			1	16/5	S	14-10							186	EW505
24	TR	BF		E60	10			1	16/5	S	4-03							44	EW506
25	TR	BF		E60	4			1	16/5	S	4-06							19	EW507
26	TR	BF		E60	7			1	16/5	S	4-10							35	EW508
27	TR	BF		E60	6			1	16/5	S	5-06							34	EW509
28	TR	BF		E60	12			1	16/5	S	6-11							87	EW510
29	TR	BF		E60	34			1	16/5	S	10-06							372	EW511
30	TR	BF		E60	44			1	16/5	S	14-08							673	EW512
31	TR	BF		E60	12			1	16/5	S	15-09							197	EW513
32	TR	BF		60	88			1	19/6	H	12-06							1,652	EF601
33	TR	BF		E60	24			1	19/6	H	7-02							258	EF602
34	TR	BF		E60	120			1	19/6	S	9-09							1,757	EF603
35	TR	BF		E60	9			1	19/6	S	2-00							27	EF604
36	TR	BF		E60	17			1	19/6	S	8-05							215	EF605
37	TR	BF		E60	2			1	19/6	S	1-07							5	EF606
38	TR	BF		E60	44			1	19/6	S	7-11							523	EW601
39	TR	BF		E60	12			1	19/6	S	15-02							273	EW602
40	GI	Segment: MILL CREEK BRIDGE Sub-Segment: ABUTMENT 2																	
41	MT	ABUTMENT 2 - SHEET #17																	
42	TR	BF		E60	7			1	10/3	S	11-10							31	EW351
43	TR	BF		E60	3			1	10/3	S	10-02							11	EW352
44	TR	BF		60	4			1	10/3	S	5-08							9	EW353
45	TR	BF		E60	6			1	10/3	S	11-08							26	EW354
46	TR	BF		E60	2			1	10/3	S	8-01							6	EW355
47	TR	BF		E60	2			1	10/3	S	7-01							5	EW356
48	TR	BF		E60	23			1	10/3	L	16-06							143	EW357
49	TR	BF		E60	22			1	10/3	L	17-02							142	EW358
50	TR	BF		E60	8			1	10/3	L	8-04							25	EW359
51	TR	BF		E60	4			1	10/3	L	8-04							13	EW360
52	TR	BF		60	86			1	13/4	L	2-03							129	F401
53	TR	BF		E60	40			1	13/4	S	3-06							94	EW454
54	TR	BF		E60	4			1	13/4	H	2-09							7	EW455
55	TR	BF		E60	2			1	13/4	H	6-02							8	EW456
56	TR	BF		60	20			1	16/5	S	27-003							565	F551
57	TR	BF		60	18			1	16/5	S	19-09							371	F552
58	TR	BF		60	20			1	16/5	S	33-01							690	F553
59	TR	BF		60	20			1	16/5	S	12-02							254	F554
60	TR	BF		60	13			1	16/5	S	8-11							121	F555
61	TR	BF		60	2			1	16/5	S	25-09							54	F556

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
62	TR	BF		E60	35			1	16/5	S	3-02							116	EF557
63	TR	BF		E60	46			1	16/5	S	3-09							180	EF558
64	TR	BF		E60	25			1	16/5	S	3-09							98	EF559
65	TR	BF		E60	9			1	16/5	S	3-09							35	EF560
66	TR	BF		E60	45			1	16/5	H	9-00							422	EW551
67	TR	BF		E60	32			1	16/5	S	32-04							1,079	EW552
68	TR	BF		E60	34			1	16/5	S	20-02							715	EW553
69	TR	BF		E60	18			1	16/5	S	16-00							300	EW554
70	TR	BF		E60	18			1	16/5	S	15-00							282	EW555
71	TR	BF		E60	12			1	16/5	S	4-09							59	EW556
72	TR	BF		E60	5			1	16/5	S	5-06							29	EW557
73	TR	BF		E60	13			1	16/5	S	7-05							101	EW558
74	TR	BF		E60	5			1	16/5	S	4-08							24	EW559
75	TR	BF		E60	6			1	16/5	S	5-03							33	EW560
76	TR	BF		E60	14			1	16/5	S	6-06							95	EW561
77	TR	BF		E60	25			1	16/5	H	6-07							172	EW562
78	TR	BF		E60	20			1	16/5	S	23-08							494	EW563
79	TR	BF		E60	24			1	16/5	S	22-00							551	EW564
80	TR	BF		E60	2			1	16/5	S	26-07							55	EW565
81	TR	BF		E60	9			1	16/5	H	6-07							62	EW566
82	TR	BF		E60	34			1	16/5	S	7-06							266	EW567
83	TR	BF		E60	4			1	16/5	S	3-00							13	EW568
84	TR	BF		E60	2			1	16/5	S	8-00							17	EW569
85	TR	BF		E60	2			1	16/5	S	19-10							41	EW570
86	TR	BF		E60	6			1	16/5	S	10-09							67	EW571
87	TR	BF		E60	14			1	16/5	S	6-10							100	EW572
88	TR	BF		E60	6			1	16/5	H	6-10							43	EW573
89	TR	BF		E60	6			1	16/5	H	6-09							42	EW574
90	TR	BF		E60	2			1	16/5	S	13-04							28	EW575
91	TR	BF		E60	46			1	16/5	S	15-07							748	EW576
92	TR	BF		E60	25			1	16/5	S	9-00							235	EW577
93	TR	BF		E60	9			1	16/5	S	16-00							150	EW578
94	TR	BF		60	28			1	19/6	S	8-04							350	F651
95	TR	BF		60	19			1	19/6	S	8-04							238	F652
96	TR	BF		60	140			1	19/6	S	9-02							1,928	F653
97	TR	BF		60	17			1	19/6	S	9-00							230	F654
98	TR	BF		E60	92			1	19/6	H	12-00							1,658	EF655
99	TR	BF		E60	50			1	19/6	H	11-04							851	EF656
100	TR	BF		E60	18			1	19/6	H	12-06							338	EF657
101	TR	BF		E60	46			1	19/6	S	8-09							605	EW651
102	TR	BF		E60	25			1	19/6	S	4-00							150	EW652
103	TR	BF		E60	9			1	19/6	S	10-00							135	EW653
104	GI	Segment: MILL CREEK BRIDGE Sub-Segment: APPROACH SLAB 1																	
105	MT	APPROACH SLAB 1 - SHEET #33																	
106	TR	BF		E60	31			1	13/4	L	8-08							179	EC401
107	TR	BF		E60	31			1	13/4	L	8-00							166	EC402
108	TR	BF		E60	2			1	13/4	S	14-06							19	EC403
109	TR	BF		E60	3			1	13/4	S	14-02							28	EC404
110	TR	BF		E60	1			1	13/4	H	15-00							10	EC405
111	TR	BF		E60	30			1	13/4	H	9-00							180	EAS406
112	TR	BF		E60	1			1	13/4	H	9-00							6	EAS407
113	TR	BF		E60	29			1	13/4	H	7-03							140	EAS408
114	TR	BF		E60	1			1	13/4	H	6-00							4	EAS409
115	TR	BF		E60	1			1	13/4	H	7-03							5	EAS410
116	TR	BF		E60	38			1	16/5	H	14-06							575	EAS501
117	TR	BF		E60	8			1	16/5	H	29-07							247	EAS502
118	TR	BF		E60	2			1	16/5	L	28-06							59	EAS503
119	TR	BF		E60	2			1	16/5	S	5-00							10	EAS504
120	TR	BF		E60	82			1	16/5	S	7-07							648	EAS505
121	TR	BF		E60	12			1	16/5	H	7-00							88	EAS506
122	TR	BF		E60	8			1	16/5	H	20-03							169	EAS507

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
123	TR	BF		E60	2			1	16/5	H	18-10							39	EAS508
124	TR	BF		E60	3			1	16/5	H	18-06							58	EAS509
125	TR	BF		E60	3			1	16/5	H	26-11							84	EAS510
126	TR	BF		E60	8			1	16/5	S	6-06							54	EAS511
127	TR	BF		E60	3			1	16/5	S	8-04							26	EAS512
128	TR	BF		E60	3			1	16/5	S	6-04							20	EAS513
129	TR	BF		E60	9			1	16/5	S	4-07							43	EC502
130	TR	BF		E60	3			1	16/5	S	4-00							13	EC503
131	TR	BF		E60	1			1	16/5	H	5-06							6	EC504
132	TR	BF		E60	12			1	16/5	S	14-06							181	EC505
133	TR	BF		E60	5			1	16/5	S	4-07							24	EC506
134	TR	BF		E60	8			1	16/5	S	46-00							384	ESS501
135	TR	BF		E60	8			1	16/5	S	48-06							405	ESS502
136	TR	BF		E60	8			1	19/6	S	48-00							577	EAS601
137	TR	BF		E60	2			1	19/6	S	48-00							144	EAS602
138	TR	BF		E60	2			1	19/6	S	5-00							15	EAS603
139	TR	BF		E60	3			1	19/6	S	18-06							83	EAS604
140	TR	BF		E60	3			1	19/6	S	27-00							122	EAS605
141	TR	BF		E60	8			1	19/6	S	14-06							174	EC604
142	TR	BF		E60	10			1	25/8	S	8-00							214	ESS801
143	TR	BF		E60	86			1	25/8	S	5-08							1,301	ESS802
144	TR	BF		E60	2			1	25/8	S	4-03							23	ESS803
145	TR	BF		E60	51			1	32/10	S	14-06							3,182	EAS1001
146	TR	BF		E60	4			1	32/10	S	8-06							146	EAS1002
147	TR	BF		E60	4			1	32/10	S	6-06							112	EAS1003
148	TR	BF		E60	45			1	16/5	L	6-08							313	#5 STANDEE
149	GI	Segment: MILL CREEK BRIDGE Sub-Segment: APPROACH SLAB 2																	
150	MT	APPROACH SLAB 2 - SHEET #34																	
151	TR	BF		E60	26			1	13/4	L	8-06							148	EC401
152	TR	BF		E60	51			1	13/4	H	8-00							272	EC402
153	TR	BF		E60	6			1	13/4	S	25-00							100	EC406
154	TR	BF		E60	9			1	13/4	H	6-04							38	EC407
155	TR	BF		E60	14			1	13/4	H	8-01							76	EC408
156	TR	BF		E60	10			1	13/4	S	6-10							46	EC409
157	TR	BF		E60	2			1	13/4	H	7-00							9	EC410
158	TR	BF		E60	50			1	13/4	H	9-00							301	EAS406
159	TR	BF		E60	1			1	13/4	H	9-00							6	EAS407
160	TR	BF		E60	24			1	13/4	H	7-06							120	EAS408
161	TR	BF		E60	1			1	13/4	H	6-00							4	EAS409
162	TR	BF		E60	1			1	13/4	H	7-06							5	EAS410
163	TR	BF		E60	10			1	13/4	H	8-00							53	EAS411
164	TR	BF		E60	14			1	13/4	H	2-00							19	EAS412
165	TR	BF		E60	1			1	16/5	H	7-06							8	EAS505
166	TR	BF		E60	40			1	16/5	S	25-00							1,043	EAS513
167	TR	BF		E60	1			1	16/5	S	24-00							25	EAS514
168	TR	BF		E60	1			1	16/5	S	24-08							26	EAS515
169	TR	BF		E60	20			1	16/5	H	30-00							626	EAS516
170	TR	BF		E60	1			1	16/5	H	28-06							30	EAS517
171	TR	BF		E60	1			1	16/5	S	28-00							29	EAS518
172	TR	BF		E60	3			1	16/5	S	5-00							16	EAS519
173	TR	BF		E60	20			1	16/5	H	26-00							542	EAS520
174	TR	BF		E60	1			1	16/5	H	19-00							20	EAS521
175	TR	BF		E60	1			1	16/5	H	20-00							21	EAS522
176	TR	BF		E60	22			1	16/5	S	4-07							105	ECS502
177	TR	BF		E60	3			1	16/5	S	4-00							13	ECS503
178	TR	BF		E60	2			1	16/5	H	5-06							11	ECS504
179	TR	BF		E60	6			1	16/5	S	25-00							156	ECS507
180	TR	BF		E60	4			1	16/5	S	18-04							76	ECS508
181	TR	BF		E60	2			1	16/5	H	20-00							42	ECS509
182	TR	BF		E60	8			1	16/5	S	41-06							346	ESS511
183	TR	BF		E60	6			1	16/5	S	49-00							307	ESS512

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
184	TR	BF		E60	2			1	16/5	H	50-00							104	ESS513
185	TR	BF		E60	20			1	19/6	S	49-00							1,472	EAS611
186	TR	BF		E60	1			1	19/6	H	47-06							71	EAS612
187	TR	BF		E60	1			1	19/6	H	47-06							71	EAS613
188	TR	BF		E60	3			1	19/6	S	5-00							23	EAS614
189	TR	BF		E60	4			1	19/6	S	25-00							150	EC605
190	TR	BF		E60	4			1	19/6	S	18-04							110	EC606
191	TR	BF		E60	78			1	25/8	S	4-08							972	ESS811
192	TR	BF		E60	12			1	25/8	S	2-02							69	ESS812
193	TR	BF		E60	2			1	25/8	S	2-01							11	ESS813
194	TR	BF		E60	2			1	25/8	S	4-06							24	ESS814
195	TR	BF		E60	2			1	25/8	S	3-00							16	ESS815
196	TR	BF		E60	2			1	25/8	S	1-06							8	ESS816
197	TR	BF		E60	2			1	25/8	S	1-06							8	ESS819
198	TR	BF		E60	2			1	25/8	S	5-06							29	ESS820
199	TR	BF		E60	2			1	25/8	S	4-06							24	ESS821
200	TR	BF		E60	6			1	25/8	S	3-00							48	ESS822
201	TR	BF		E60	52			1	32/10	S	25-02							5,631	EAS1011
202	TR	BF		E60	2			1	32/10	S	23-08							204	EAS1012
203	TR	BF		E60	1			1	32/10	S	24-08							106	EAS1013
204	TR	BF		E60	45			1	16/5	L	6-08							313	#5 STANDEE
205	GI	Segment: MILL CREEK BRIDGE Sub-Segment: MOMENT SLAB A																	
206	MT	MOMENT SLAB A - SHEET #38																	
207	TR	BF		E60	10			1	13/4	S	16-03							109	EMS401
208	TR	BF		E60	12			1	13/4	H	8-06							68	EC401
209	TR	BF		E60	11			1	13/4	H	6-06							48	EC407
210	TR	BF		E60	14			1	13/4	H	9-00							84	EC408
211	TR	BF		E60	10			1	13/4	S	7-00							47	EC409
212	TR	BF		E60	2			1	13/4	H	7-00							9	EC410
213	TR	BF		E60	17			1	16/5	S	9-06							168	EMS502
214	TR	BF		E60	18			1	16/5	S	16-03							305	EMS503
215	TR	BF		E60	5			1	16/5	S	16-03							85	EMS504
216	TR	BF		E60	2			1	16/5	S	12-06							26	EC510
217	TR	BF		E60	4			1	16/5	H	12-06							52	EC511
218	TR	BF		E60	17			1	19/6	H	10-00							255	EMS602
219	TR	BF		E60	11			1	19/6	H	7-06							124	EMS603
220	TR	BF		E60	14			1	19/6	H	9-06							200	EMS604
221	TR	BF		E60	12			1	19/6	H	9-06							171	EMS605
222	TR	BF		E60	18			1	19/6	H	7-03							196	EMS607
223	TR	BF		E60	4			1	19/6	S	12-06							75	EMS603
224	GI	Segment: MILL CREEK BRIDGE Sub-Segment: MOMENT SLAB C																	
225	MT	MOMENT SLAB C - SHEET #38																	
226	TR	BF		E60	27			1	13/4	H	8-00							144	EC402
227	TR	BF		E60	16			1	13/4	H	8-00							85	EC411
228	TR	BF		E60	5			1	13/4	H	6-06							22	EC412
229	TR	BF		E60	48			1	13/4	H	8-03							265	EMS412
230	TR	BF		E60	6			1	13/4	S	18-07							74	EMS452
231	TR	BF		E60	8			1	13/4	S	21-06							115	EMS453
232	TR	BF		E60	8			1	13/4	S	25-00							134	EMS454
233	TR	BF		E60	4			1	16/5	S	18-07							78	EC551
234	TR	BF		E60	2			1	16/5	H	18-09							39	EC552
235	TR	BF		E60	27			1	16/5	H	8-00							225	EMS551
236	TR	BF		E60	27			1	16/5	S	8-08							244	EMS552
237	TR	BF		E60	3			1	16/5	H	11-06							36	EMS553
238	TR	BF		E60	32			1	16/5	H	11-06							384	EMS554
239	TR	BF		E60	5			1	16/5	H	8-06							44	EMS555
240	TR	BF		E60	2			1	16/5	H	6-00							13	EMS556
241	TR	BF		E60	4			1	19/6	H	18-08							112	EC651
242	GI	Segment: MILL CREEK BRIDGE Sub-Segment: SUPERSTRUCTURE																	
243	MT	SUPERSTRUCTURE - SHEET #27.																	
244	TR	BF		E60	61			1	13/4	L	8-06							346	EC401

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
245	TR	BF		E60	61			1	13/4	L	8-00							326	EC402
246	TR	BF		E60	9			1	13/4	S	39-06							237	EC415
247	TR	BF		E60	8			1	13/4	H	7-08							41	EC416
248	TR	BF		E60	59			1	13/4	L	6-04							250	ES403
249	TR	BF		E60	1			1	13/4	L	4-10							3	ES404
250	TR	BF		E60	2			1	13/4	L	6-06							9	ES405
251	TR	BF		E60	60			1	13/4	L	7-09							311	ES406
252	TR	BF		E60	1			1	13/4	L	7-09							5	ES407
253	TR	BF		E60	136			1	13/4	H	5-04							485	ES408
254	TR	BF		E60	6			1	13/4	L	5-00							20	ES409
255	TR	BF		E60	86			1	13/4	S	39-06							2,269	ES410
256	TR	BF		E60	32			1	13/4	L	3-06							75	ES411
257	TR	BF		E60	32			1	13/4	L	4-06							96	ES412
258	TR	BF		E60	32			1	13/4	L	2-08							57	ES413
259	TR	BF		E60	32			1	13/4	H	3-06							75	ES414
260	TR	BF		E60	12			1	16/5	S	39-06							494	EC501
261	TR	BF		E60	39			1	16/5	S	4-08							190	EC502
262	TR	BF		E60	2			1	16/5	S	4-00							8	EC503
263	TR	BF		E60	2			1	16/5	H	5-06							11	EC504
264	TR	BF		E60	38			1	16/5	H	7-00							277	ES505
265	TR	BF		E60	2			1	16/5	H	6-02							13	ES506
266	TR	BF		E60	44			1	16/5	H	23-07							1,082	ES507
267	TR	BF		E60	25			1	16/5	H	22-03							580	ES508
268	TR	BF		E60	20			1	16/5	S	23-06							490	ES509
269	TR	BF		E60	35			1	16/5	S	23-00							840	ES510
270	TR	BF		E60	19			1	16/5	S	3-00							59	ES511
271	TR	BF		E60	16			1	16/5	S	21-00							350	ES512
272	TR	BF		E60	44			1	16/5	H	20-04							933	ES513
273	TR	BF		E60	23			1	16/5	H	10-06							252	ES514
274	TR	BF		E60	20			1	16/5	S	18-06							386	ES515
275	TR	BF		E60	37			1	16/5	S	19-08							759	ES516
276	TR	BF		E60	18			1	16/5	S	22-00							413	ES517
277	TR	BF		E60	16			1	16/5	S	18-10							314	ES519
278	TR	BF		E60	8			1	19/6	S	39-06							475	EC601
279	TR	BF		E60	8			1	19/6	H	27-06							330	ES602
280	TR	BF		E60	8			1	19/6	H	27-06							330	ES603
281	GI	Segment: MILL CREEK BRIDGE Sub-Segment: DIAPHRAGMS																	
282	MT	DIAPHRAGMS																	
283	TR	BF		E60	64			1	13/4	L	5-08							242	ED415
284	TR	BF		E60	32			1	13/4	L	6-06							139	ED416
285	TR	BF		E60	40			1	16/5	S	4-10							202	ED519 (THREADED BAR)
286	TR	BF		E60	24			1	16/5	S	2-10							71	ED520 (THREADED BAR)
287	TR	BF		E60	4			1	16/5	S	6-02							26	ED521
288	TR	BF		E60	8			1	16/5	S	2-00							17	ED522
289	TR	BF		E60	6			1	16/5	L	3-00							19	ED523
290	GI	Segment: MILL CREEK BRIDGE Sub-Segment: TYPE D-W ENDWALL (18" PIPE)																	
291	MT	TYPE D-W ENDWALL (18" PIPE) - SHEET #6																	
292	MT	(2 LOCATION)																	
293	MT	12" THK CONCRETE SLAB																	
294	TR	BF		E60	5			2	13/4	S	6-06							43	#4 @12' O.C LW. @B.
295	TR	BF		E60	8			2	13/4	S	4-00							43	#4 @12' O.C SW. @B.
296	MT	12" THK CONCRETE WALL																	
297	TR	BF		E60	12			2	13/4	S	2-00							32	#4 @12' O.C D/V
298	TR	BF		E60	4			4	13/4	S	2-00							21	4- #4 ADD'L D/V. ES.
299	TR	BF		E60	2			2	13/4	H	12-00							32	#4 @12' O.C HORZ.

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Rebar Sub-Segment Summary

Segment: MILL CREEK BRIDGE

Sub-Segment: ABUTMENT 1

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

13/4	102	0	102	0	0
16/5	2,067	2,067	0	0	0
19/6	1,652	0	1,652	0	0
	<u>3,821</u>	<u>2,067</u>	<u>1,754</u>	<u>0</u>	<u>0</u>

** Grade 60, Epoxy **

10/3	256	66	0	190	0
13/4	75	75	0	0	0
16/5	4,101	3,703	398	0	0
19/6	3,058	2,800	258	0	0
	<u>7,490</u>	<u>6,644</u>	<u>656</u>	<u>190</u>	<u>0</u>

** Grand Totals **

10/3	256	66	0	190	0
13/4	177	75	102	0	0
16/5	6,168	5,770	398	0	0
19/6	4,710	2,800	1,910	0	0
	<u>11,311</u>	<u>8,711</u>	<u>2,410</u>	<u>190</u>	<u>0</u>

Sub-Segment: ABUTMENT 2

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

10/3	9	9	0	0	0
13/4	129	0	0	129	0
16/5	2,055	2,055	0	0	0
19/6	2,746	2,746	0	0	0
	<u>4,939</u>	<u>4,810</u>	<u>0</u>	<u>129</u>	<u>0</u>

** Grade 60, Epoxy **

10/3	402	79	0	323	0
13/4	109	94	15	0	0
16/5	6,652	5,911	741	0	0
19/6	3,737	890	2,847	0	0
	<u>10,900</u>	<u>6,974</u>	<u>3,603</u>	<u>323</u>	<u>0</u>

** Grand Totals **

10/3	411	88	0	323	0
13/4	238	94	15	129	0
16/5	8,707	7,966	741	0	0
19/6	6,483	3,636	2,847	0	0
	<u>15,839</u>	<u>11,784</u>	<u>3,603</u>	<u>452</u>	<u>0</u>

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Rebar Sub-Segment Summary

Segment: MILL CREEK BRIDGE

Sub-Segment: APPROACH SLAB 1

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Epoxy **					
13/4	738	47	345	346	0
16/5	3,447	1,809	1,266	372	0
19/6	1,115	1,115	0	0	0
25/8	1,538	1,538	0	0	0
32/10	3,440	3,440	0	0	0
	<u>10,278</u>	<u>7,949</u>	<u>1,611</u>	<u>718</u>	<u>0</u>

Sub-Segment: APPROACH SLAB 2

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Epoxy **					
13/4	1,198	146	904	148	0
16/5	3,859	2,142	1,404	313	0
19/6	1,897	1,755	142	0	0
25/8	1,209	1,209	0	0	0
32/10	5,941	5,941	0	0	0
	<u>14,104</u>	<u>11,193</u>	<u>2,450</u>	<u>461</u>	<u>0</u>

Sub-Segment: MOMENT SLAB A

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Epoxy **					
13/4	365	156	209	0	0
16/5	636	584	52	0	0
19/6	1,021	75	946	0	0
	<u>2,022</u>	<u>815</u>	<u>1,207</u>	<u>0</u>	<u>0</u>

Sub-Segment: MOMENT SLAB C

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Epoxy **					
13/4	839	323	516	0	0
16/5	1,063	322	741	0	0
19/6	112	0	112	0	0
	<u>2,014</u>	<u>645</u>	<u>1,369</u>	<u>0</u>	<u>0</u>

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Rebar Sub-Segment Summary

Segment: MILL CREEK BRIDGE

Sub-Segment: SUPERSTRUCTURE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Epoxy **

13/4	4,605	2,506	601	1,498	0
16/5	7,451	4,303	3,148	0	0
19/6	1,135	475	660	0	0
	<u>13,191</u>	<u>7,284</u>	<u>4,409</u>	<u>1,498</u>	<u>0</u>

Sub-Segment: DIAPHRAGMS

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Epoxy **

13/4	381	0	0	381	0
16/5	335	316	0	19	0
	<u>716</u>	<u>316</u>	<u>0</u>	<u>400</u>	<u>0</u>

Sub-Segment: TYPE D-W ENDWALL (18" PIPE)

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Epoxy **

13/4	171	139	32	0	0
	<u>171</u>	<u>139</u>	<u>32</u>	<u>0</u>	<u>0</u>

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Rebar Sub-Segment Summary

Segment: MILL CREEK BRIDGE

Total for Segment: MILL CREEK BRIDGE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

10/3	9	9	0	0	0
13/4	231	0	102	129	0
16/5	4,122	4,122	0	0	0
19/6	4,398	2,746	1,652	0	0
	<u>8,760</u>	<u>6,877</u>	<u>1,754</u>	<u>129</u>	<u>0</u>

** Grade 60, Epoxy **

10/3	658	145	0	513	0
13/4	8,481	3,486	2,622	2,373	0
16/5	27,544	19,090	7,750	704	0
19/6	12,075	7,110	4,965	0	0
25/8	2,747	2,747	0	0	0
32/10	9,381	9,381	0	0	0
	<u>60,886</u>	<u>41,959</u>	<u>15,337</u>	<u>3,590</u>	<u>0</u>

** Grand Totals **

10/3	667	154	0	513	0
13/4	8,712	3,486	2,724	2,502	0
16/5	31,666	23,212	7,750	704	0
19/6	16,473	9,856	6,617	0	0
25/8	2,747	2,747	0	0	0
32/10	9,381	9,381	0	0	0
	<u>69,646</u>	<u>48,836</u>	<u>17,091</u>	<u>3,719</u>	<u>0</u>

INT-081 - MILL CREEK BRIDGE REPLACEMENT

Estimate Totals

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

10/3	9	9	0	0	0
13/4	231	0	102	129	0
16/5	4,122	4,122	0	0	0
19/6	4,398	2,746	1,652	0	0
	<u>8,760</u>	<u>6,877</u>	<u>1,754</u>	<u>129</u>	<u>0</u>

** Grade 60, Epoxy **

10/3	658	145	0	513	0
13/4	8,481	3,486	2,622	2,373	0
16/5	27,544	19,090	7,750	704	0
19/6	12,075	7,110	4,965	0	0
25/8	2,747	2,747	0	0	0
32/10	9,381	9,381	0	0	0
	<u>60,886</u>	<u>41,959</u>	<u>15,337</u>	<u>3,590</u>	<u>0</u>

** Grand Totals **

10/3	667	154	0	513	0
13/4	8,712	3,486	2,724	2,502	0
16/5	31,666	23,212	7,750	704	0
19/6	16,473	9,856	6,617	0	0
25/8	2,747	2,747	0	0	0
32/10	9,381	9,381	0	0	0
	<u>69,646</u>	<u>48,836</u>	<u>17,091</u>	<u>3,719</u>	<u>0</u>