

BILL OF REINFORCING STEEL - ONE ABUTMENT - 0°Skew																						
Bridge Length					70'-0"		80'-0"		90'-0"		100'-0"		110'-0"		120'-0"		130'-0"		140'-0"		150'-0"	
Mark	Location	Shape	Length	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	
B1	Abutment Footing Longitudinal		26'-4"	7	492	7	492	7	492	7	492	7	492	7	492	7	492	7	492	7	492	
B2	Abutment Footing Longitudinal		21'-4"	7	399	7	399	7	399	7	399	7	492	7	399	7	399	7	399	7	399	
Ss1	Abutment Footing Hoops		11'-0"	39	447	39	447	39	447	39	447	40	459	40	459	40	459	39	447	36	413	
6t1	Footing To Slab Bars		5'-0"	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345	
6t2	Footing To Slab Bars		5'-7"	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386	
#2	Pile Spiral		38'-6"	6	39	6	39	6	39	6	39	7	45	7	45	7	45	8	51	9	58	
	Spiral Spacers - L 1/6x1/6x1/6x 0.70		1'-10"	18	24	18	24	18	24	18	24	21	27	21	27	21	27	24	31	27	35	
Reinforcing steel epoxy coated - total (lbs.)					2132		2132		2132		2132		2153		2153		2153		2151		2128	

BILL OF REINFORCING STEEL - ONE ABUTMENT - 15°Skew																					
Bridge Length				70'-0"		80'-0"		90'-0"		100'-0"		110'-0"		120'-0"		130'-0"		140'-0"		150'-0"	
Mark	Location	Shape	Length	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight
B1	Abutment Footing Longitudinal		27'-2"	7	508	7	508	7	508	7	508	7	508	7	508	7	508	7	508	7	508
B2	Abutment Footing Longitudinal		22'-1"	7	413	7	413	7	413	7	413	7	413	7	413	7	413	7	413	7	413
Ss1	Abutment Footing Hoops		11'-0"	36	413	36	413	36	413	36	413	36	413	36	413	35	402	40	459	40	459
Ss2	Abutment Footing Hoops		11'-3"	4	47	4	47	4	47	4	47	4	47	4	47	4	47	4	47	4	47
6t1	Footing To Slab Bars		5'-0"	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345
6t2	Footing To Slab Bars		5'-7"	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386
#2	Pile Spiral		38'-6"	7	45	7	45	7	45	7	45	7	45	7	45	8	52	9	58	9	58
	Spiral Spacers - L 1/6x1/6x1/6x 0.70		1'-10"	21	28	21	28	21	28	21	28	21	28	21	27	24	31	27	35	27	35
Reinforcing steel epoxy coated - total (lbs.)					2184		2184		2184		2184		2184		2184		2183		2251		2251

BILL OF REINFORCING STEEL - ONE ABUTMENT - 30°Skew																					
Bridge Length				70'-0"		80'-0"		90'-0"		100'-0"		110'-0"		120'-0"		130'-0"		140'-0"		150'-0"	
Mark	Location	Shape	Length	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight
B1	Abutment Footing Longitudinal		29'-6"	7	551	7	551	7	551	7	551	7	551	7	551	7	551	7	551	7	551
B2	Abutment Footing Longitudinal		24'-5"	7	456	7	456	7	456	7	456	7	456	7	456	7	456	7	456	7	456
Ss1	Abutment Footing Hoops		11'-0"	42	482	42	482	42	482	42	482	42	482	42	482	42	482	40	459	40	459
Ss2	Abutment Footing Hoops		11'-11"	4	50	4	50	4	50	4	50	4	50	4	50	4	50	4	50	4	50
6t1	Footing To Slab Bars		5'-0"	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345
6t2	Footing To Slab Bars		5'-7"	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386
#2	Pile Spiral		38'-6"	7	45	7	45	7	45	7	45	7	45	7	45	8	52	9	58	9	58
	Spiral Spacers - L 1/6x1/6x1/6x 0.70		1'-10"	21	27	21	27	21	27	21	28	21	28	21	27	24	31	27	35	27	35
Reinforcing steel epoxy coated - total (lbs.)					2342		2342		2342		2342		2342		2342		2352		2340		2340

BILL OF REINFORCING STEEL - ONE ABUTMENT - 45°Skew																					
Bridge Length			70'-0"		80'-0"		90'-0"		100'-0"		110'-0"		120'-0"		130'-0"		140'-0"		150'-0"		
Mark	Location	Shape	Length	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight	No.	Weight
B1	Abutment Footing Longitudinal		34'-8"	7	648	7	648	7	648	7	648	7	648	7	648	7	648	7	648	7	648
B2	Abutment Footing Longitudinal		29'-7"	7	553	7	553	7	553	7	553	7	553	7	553	7	553	7	553	7	553
Ss1	Abutment Footing Hoops		11'-0"	56	642	56	642	56	642	56	642	56	642	56	642	56	642	56	642	54	620
Ss2	Abutment Footing Hoops		13'-6"	4	56	4	56	4	56	4	56	4	56	4	56	4	56	4	56	4	56
6t1	Footing To Slab Bars		5'-0"	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345	46	345
6t2	Footing To Slab Bars		5'-7"	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386	46	386
#2	Pile Spiral		38'-6"	9	58	9	58	9	58	9	58	9	58	9	58	9	58	9	58	10	64
	Spiral Spacers - L 1/6x1/6x1/6x 0.70		1'-10"	27	35	27	35	27	35	27	35	27	35	27	35	27	35	27	35	30	39

Note: The pile spirals and spiral spacers are to be non-coated reinforcing but may be epoxy-coated at the contractor's option and expense.

ESTIMATED QUANTITIES - ONE ABUT. - 0°Skew											
Location	Unit	Quantity									
Bridge Length		70'-0"	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	140'-0"	150'-0"	
ete (Bridge)	c.y.	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
1. Epoxy-Coated	lbs.	2132	2132	2132	2132	2153	2153	2153	2151	2151	2128
0x24	no.	6	6	6	6	7	7	7	8	9	
	ft.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	80	90

ESTIMATED QUANTITIES - ONE ABUT. - 15°Skew											
Location		Unit	Quantity								
Bridge Length			70'-0	80'-0	90'-0	100'-0	110'-0	120'-0	130'-0	140'-0	150'-0
crete (Bridge)		c.y.	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
eel, Epoxy-Coated		lbs.	2184	2184	2184	2184	2184	2184	2183	2251	2251
10x24		no.	7	7	7	7	7	7	8	9	9
s		ft.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	90	90