

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
8r1	ABUTMENT FOOTING, LONGITUDINAL		26'-10"	7	502	7	502	7	502	7	502	7	502	7	502	7	502	7	502
5s1	ABUTMENT FOOTING, HOOPS		11'-0"	24	275	22	252	22	252	25	287	25	287	20	229	20	229	22	252
5p2	PAVING SUPPORT, TRANSV.		9'-4"	12	117	12	117	12	117	12	117	12	117	12	117	12	117	12	117
4p5	PAVING SUPPORT, TRANSV.		1'-11"	12	15	12	15	12	15	12	15	12	15	12	15	12	15	12	15
5p6	PAVING SUPPORT, LONGIT.		24'-2"	2	50	2	50	2	50	2	50	2	50	2	50	2	50	2	50
6+1	FOOTING TO SLAB DOWELS		3'-11"	60	353	60	353	60	353	60	353	60	353	60	353	60	353	60	353
*5u1	WING, LONGITUDINAL		6'-8"	12	83	12	83	12	83	12	83	12	83	12	83	12	83	12	83
#2	PILE SPIRAL		38'-6"	6	39	7	45	7	45	8	51	8	51	9	58	9	58	10	64
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	12	15	14	18	14	18	16	21	16	21	18	23	18	23	20	26
REINFORCING STEEL - TOTAL (LBS.)					1449		1435		1435		1479		1479		1430		1430		1462

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
8r2	ABUTMENT FOOTING, LONGITUDINAL		27'-8"	7	517	7	517	7	517	7	517	7	517	7	517	7	517	7	517
5s1	ABUTMENT FOOTING, HOOPS		11'-0"	20	239	24	275	24	275	21	241	21	241	24	275	18	207	18	207
5s2	ABUTMENT FOOTING, HOOPS AT ENDS		11'-3"	4	47	4	47	4	47	4	47	4	47	4	47	4	47	4	47
5p2	PAVING SUPPORT, TRANSV.		9'-4"	13	127	13	127	13	127	13	127	13	127	13	127	13	127	13	127
4p5	PAVING SUPPORT, TRANSV.		1'-11"	13	17	13	17	13	17	13	17	13	17	13	17	13	17	13	17
5p6	PAVING SUPPORT, LONGITUDINAL		25'-0"	2	52	2	52	2	52	2	52	2	52	2	52	2	52	2	52
6+1	FOOTING TO SLAB DOWELS		3'-11"	60	353	60	353	60	353	60	353	60	353	60	353	60	353	60	353
*5u1	WING, LONGITUDINAL		6'-8"	12	83	12	83	12	83	12	83	12	83	12	83	12	83	12	83
#2	PILE SPIRAL		38'-6"	6	39	7	45	7	45	8	51	8	51	9	58	9	58	10	64
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	12	15	14	18	14	18	16	21	16	21	18	23	18	23	20	26
REINFORCING STEEL - TOTAL (LBS.)					1479		1534		1534		1509		1509		1552		1552		1493

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
8r2	ABUTMENT FOOTING, LONGITUDINAL		30'-7"	7	572	7	572	7	572	7	572	7	572	7	572	7	572	7	572
5s1	ABUTMENT FOOTING, HOOPS		11'-0"	24	275	24	275	21	241	21	241	24	275	24	275	20	229	20	229
5s2	ABUTMENT FOOTING, HOOPS AT ENDS		11'-11"	4	50	4	50	4	50	4	50	4	50	4	50	4	50	4	50
5p2	PAVING SUPPORT, TRANSV.		9'-4"	14	136	14	136	14	136	14	136	14	136	14	136	14	136	14	136
4p5	PAVING SUPPORT, TRANSV.		1'-11"	14	18	14	18	14	18	14	18	14	18	14	18	14	18	14	18
5p6	PAVING SUPPORT, LONGITUDINAL		27'-11"	2	58	2	58	2	58	2	58	2	58	2	58	2	58	2	58
6+1	FOOTING TO SLAB DOWELS		3'-11"	60	353	60	353	60	353	60	353	60	353	60	353	60	353	60	353
*5u1	WING, LONGITUDINAL		6'-8"	12	83	12	83	12	83	12	83	12	83	12	83	12	83	12	83
#2	PILE SPIRAL		38'-6"	7	45	7	45	8	51	8	51	9	58	9	58	11	71	11	71
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	14	18	14	18	16	21	16	21	18	23	18	23	22	28	22	28
REINFORCING STEEL - TOTAL (LBS.)					1608		1608		1583		1583		1583		1626		1626		1598

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
8r2	ABUTMENT FOOTING, LONGITUDINAL		36'-9"	7	687	7	687	7	687	7	687	7	687	7	687	7	687	7	687
5s1	ABUTMENT FOOTING, HOOPS		11'-0"	28	321	32	367	32	367	27	310	27	310	30	344	33	379	24	275
5s2	ABUTMENT FOOTING, HOOPS AT ENDS		13'-6"	4	56	4	56	4	56	4	56	4	56	4	56	4	56	4	56
5p2	PAVING SUPPORT, TRANSV.		9'-4"	17	165	17	165	17	165	17	165	17	165	17	165	17	165	17	165
4p5	PAVING SUPPORT, TRANSV.		1'-11"	17	22	17	22	17	22	17	22	17	22	17	22	17	22	17	22
5p6	PAVING SUPPORT, LONGITUDINAL		34'-1"	2	71	2	71	2	71	2	71	2	71	2	71	2	71	2	71
6+1	FOOTING TO SLAB DOWELS		3'-11"	60	353	60	353	60	353	60	353	60	353	60	353	60	353	60	353
*5u1	WING, LONGITUDINAL		6'-8"	12	83	12	83	12	83	12	83	12	83	12	83	12	83	12	83
#2	PILE SPIRAL		38'-6"	8	51	9	58	9	58	10	64	10	64	11	71	12	77	13	84
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	16	21	18	23	18	23	20	26	20	26	22	28	24	31	26	33
REINFORCING STEEL - TOTAL (LBS.)					1830		1885		1885		1837		1837		1837		1880		1829

* SEE SHEET J24-20-06 FOR SPACING

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"	
STRUCTURAL CONCRETE (BRIDGE)		C.Y.		9.7	9.7	9.7	9.6	9.6	9.5	9.5	9.5	9.5	
REINFORCING STEEL		LBS.		1449	1435	1435	1479	1479	1430	1430	1462	1462	
WOOD PILES (TREATED)		NO.		6	7	7	8	8	9	9	10	10	
PREBORE HOLES		FT.		-	-	-	-	-	-	-	100	100	

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"	
STRUCTURAL CONCRETE (BRIDGE)		C.Y.		10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	
REINFORCING STEEL		LBS.		1479	1534	1534	1509	1509	1552	1552	1493	1493	
WOOD PILES (TREATED)		NO.		6	7	7	8	8	9	9	10	10	
PREBORE HOLES		FT.		-	-	-	-	-	-	-	100	100	

ESTIMATED QUANTITIES - ONE ABUT. - 30° SKEW

LOCATION		UNIT		QUANTITY									
BRIDGE LENGTH				70'-0"	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	140'-0"	150'-0"	
STRUCTURAL CONCRETE (BRIDGE)		C.Y.		11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.0	11.0	
REINFORCING STEEL		LBS.		1608	1608	1583	1583	1583	1626	1626	1598	1598	
WOOD PILES (TREATED)		NO.		7	7	8	8	8	9	9	11	11	
PREBORE HOLES		FT.		-	-	-	-	-	-	-	110	110	

ESTIMATED QUANTITIES - ONE ABUT. - 45° SKEW

LOCATION		UNIT	QUANTITY										
BRIDGE LENGTH			70'-0"	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	140'-0"	150'-0"		
STRUCTURAL CONCRETE (BRIDGE)		C.Y.	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.5	13.5		
REINFORCING STEEL		LBS.	1830	1885	1885	1837	1837	1837	1880	1924	1829		
WOOD PILES (TREATED)		NO.	8	9	9	10	10	10	11	12	13		
PREBORE HOLES		FT.	-	-	-	-	-	-	-	120	130		