

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"	25	287	25	287	25	287	25	287	24	275	24	275	24	275	24	275
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"	4	26	4	26	4	26	4	26	5	32	5	32	6	39	6	39
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	8	10	8	10	8	10	8	10	10	13	10	13	12	15	12	15
REINFORCING STEEL - TOTAL (LBS.)					1443		1443		1443		1443		1440		1440		1440		1449

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"	24	275	24	275	24	275	24	275	24	275	24	275	20	229	20	229
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"	5	32	5	32	5	32	5	32	5	32	5	32	6	39	6	39
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	10	13	10	13	10	13	10	13	10	13	10	13	12	15	12	15
REINFORCING STEEL - TOTAL (LBS.)					1516		1516		1516		1516		1516		1516		1479		1479

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	24	275	24	275	24	275	24	275	25	287	25	287
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"	5	32	5	32	5	32	5	32	5	32	5	32	6	39	6	39
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	10	13	10	13	10	13	10	13	10	13	10	13	12	15	12	15
REINFORCING STEEL - TOTAL (LBS.)					1590		1590		1590		1590		1590		1590		1611		1611

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"	30	344	30	344	30	344	30	344	30	344	28	321	28	321	32	367
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"	6	39	6	39	7	45	7	45	7	45	8	51	8	51	9	58
	SPIRAL SPACERS - L 1/2" X 1/2" X 1/2" X 0.70		1'-10"	12	15	12	15	14	18	14	18	14	18	16	21	16	21	18	23
REINFORCING STEEL - TOTAL (LBS.)					1835		1835		1844		1844		1844		1830		1830		1885

* 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.		10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
REINFORCING STEEL		LBS.		1443	1443	1443	1443	1440	1440	1440	1449	1449	1449
STEEL PILING HP 10X42		NO.		4	4	4	4	5	5	5	6	6	6
PREBORE HOLES		FT.		-	-	-	-	-	-	-	60	60	60

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.		10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
REINFORCING STEEL		LBS.		1516	1516	1516	1516	1516	1516	1516	1479	1479	1479
STEEL PILING HP 10X42		NO.		5	5	5	5	5	5	5	6	6	6
PREBORE HOLES		FT.		-	-	-	-	-	-	-	60	60	60

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.		11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
REINFORCING STEEL		LBS.		1590	1590	1590	1590	1590	1590	1590	1611	1611	1611
STEEL PILING HP 10X42		NO.		5	5	5	5	5	5	5	6	6	6
PREBORE HOLES		FT.		-	-	-	-	-	-	-	60	60	60

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.		14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
REINFORCING STEEL		LBS.		1835	1835	1844	1844	1844	1830	1830	1830	1885	1885
STEEL PILING HP 10X42		NO.		6	6	7	7	7	8	8	8	9	9</