

BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 120' BRIDGE

LOCATION	SKEW	SHAPE	0°				15°				30°				45°			
			BAR	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT			
SLAB LONGITUDINAL BOTTOM		TYPICAL	9a1	39	26'-10	3559	39	26'-10	3559	39	26'-10	3559	39	26'-10	3559			
SLAB LONGITUDINAL BOTTOM			9a2	39	38'-9	5139	39	38'-9	5139	39	38'-9	5139	39	38'-9	5139			
SLAB LONGITUDINAL BOTTOM			9a3	39	36'-2	4796	39	36'-2	4796	39	36'-2	4796	39	36'-2	4796			
SLAB LONGITUDINAL BOTTOM			8a4	40	29'-4	3133	40	29'-4	3133	40	29'-4	3133	40	29'-4	3133			
SLAB LONGITUDINAL BOTTOM			9a5	20	34'-0	2312	20	34'-0	2312	20	34'-0	2312	20	34'-0	2312			
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a6	8	35'-5	964	8	35'-5	964	8	35'-5	964	8	35'-5	964			
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a7	8	12'-0	327	8	12'-0	327	8	12'-0	327	8	12'-0	327			
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a8	4	42'-2	574	4	42'-2	574	4	42'-2	574	4	42'-2	574			
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	8	25'-7	547	8	25'-7	547	8	25'-7	547	8	25'-7	547			
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a10	4	23'-6	251	4	23'-6	251	4	23'-6	251	4	23'-6	251			
SLAB LONGITUDINAL TOP			7b1	39	7'-4	585	39	7'-4	585	39	7'-4	585	39	7'-4	585			
SLAB LONGITUDINAL TOP			10b2	39	27'-6	4615	39	27'-6	4615	39	27'-6	4615	39	27'-6	4615			
SLAB LONGITUDINAL TOP			10b3	39	24'-9	4154	39	24'-9	4154	39	24'-9	4154	39	24'-9	4154			
SLAB LONGITUDINAL TOP			7b4	39	22'-3	1774	39	22'-3	1774	39	22'-3	1774	39	22'-3	1774			
SLAB LONGITUDINAL TOP			11b5	40	27'-9	5898	40	27'-9	5898	40	27'-9	5898	40	27'-9	5898			
SLAB LONGITUDINAL TOP			6b6	20	30'-0	902	20	30'-0	902	20	30'-0	902	20	30'-0	902			
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	28'-3	340	8	28'-3	340	8	28'-3	340	8	28'-3	340			
SLAB LONGITUDINAL TOP, AT RAIL			10b9	8	27'-0	930	8	27'-0	930	8	27'-0	930	8	27'-0	930			
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	23'-10	144	4	23'-10	144	4	23'-10	144	4	23'-10	144			
SLAB LONGITUDINAL TOP, AT RAIL			6b11	8	30'-9	370	8	30'-9	370	8	30'-9	370	8	30'-9	370			
SLAB LONGITUDINAL TOP, AT RAIL		11b12	8	21'-0	893	8	21'-0	893	8	21'-0	893	8	21'-0	893				
SLAB TRANSVERSE, BOTTOM		6c1	117	32'-10	5770	117	34'-0	5975	106	32'-10	5228	94	32'-10	4636				
SLAB TRANSVERSE ENDS, BOTTOM		6c2	-	-	-	-	-	-	28	VARIES	800	52	VARIES	1426				
SLAB TRANSVERSE, TOP		5d1	117	32'-10	4007	117	34'-0	4150	106	32'-10	3630	94	32'-10	3220				
SLAB TRANSVERSE ENDS, TOP		5d2	-	-	-	-	-	-	28	VARIES	555	52	VARIES	990				
SLAB, TRANSVERSE AT ABUTMENT		8e1	20	32'-10	1754	-	-	-	-	-	-	-	-	-				
SLAB, TRANSVERSE AT ABUTMENT		8e2	-	-	-	20	33'-11	1812	20	37'-6	2003	20	45'-4	2421				
SLAB, HAIRPINS, AT ABUTMENT		6e3	72	6'-10	739	72	6'-11	748	72	7'-3	785	72	7'-11	857				
PIER CAP HOOPS		5h1	54	7'-10	442	54	7'-10	442	54	7'-10	442	72	7'-10	589				
PIER CAP ENDS		8h2	4	14'-5	154	4	14'-5	154	4	14'-5	154	4	14'-5	154				
PIER CAP, BOTTOM LONGITUDINAL		8h3	8	29'-10	638	8	30'-11	661	8	34'-5	736	8	42'-2	901				
PIER CAP, TOP LONGITUDINAL		8h4	4	32'-10	351	4	34'-0	364	4	37'-11	405	4	46'-6	497				
TOP OF SLAB, TRANSVERSE, AT RAIL		5j1	232	8'-6	2057	232	8'-6	2057	232	8'-6	2057	230	8'-6	2040				
WING, VERTICAL		5m1-4	32	SHOWN	117	32	SHOWN	117	32	SHOWN	117	32	SHOWN	117				
WING, HORIZONTAL		5n1	24	6'-8	167	24	6'-8	167	24	6'-8	167	24	6'-8	167				
PAVING SUPPORT, TRANSVERSE		5p1	30	8'-10	277	32	8'-10	295	34	8'-10	314	42	8'-10	387				
PAVING SUPPORT LONGITUDINAL		5p3	6	30'-2	189	6	31'-3	196	6	34'-10	218	6	42'-7	267				
SUB TOTAL - LBS.						58,869	59,345						59,818	60,876				
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06						7228	7228						7228	7228				
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06						7638	7638						7638	7638				
TOTAL - LBS.			WITH MONOLITHIC PIER CAP	WITH BARRIER RAIL	66,097	66,573			67,046			68,104						
			WITH OPEN RAIL	66,507	66,983			67,456			68,514							
TOTAL - LBS.			WITH NON-MONOLITHIC PIER CAP	WITH BARRIER RAIL	64,512	64,952			65,309			65,963						
SAME AS ABOVE EXCEPT ALL "h" BARS DELETED			WITH OPEN RAIL	64,922	65,362			65,719			66,373							