

BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 120' BRIDGE

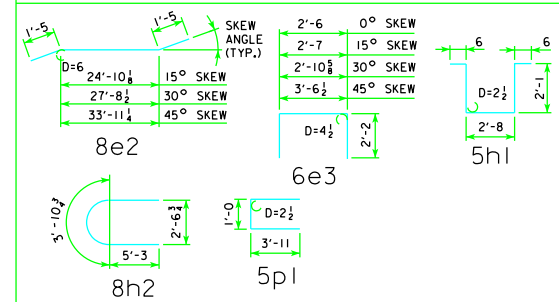
LOCATION	SKEW	SHAPE	BAR	0°		15°		30°		45°	
				NO.	LENGTH/WEIGHT	NO.	LENGTH/WEIGHT	NO.	LENGTH/WEIGHT	NO.	LENGTH/WEIGHT
SLAB LONGITUDINAL BOTTOM			9a1	31	26'-10 2828	31	26'-10 2828	31	26'-10 2828	31	26'-10 2828
SLAB LONGITUDINAL BOTTOM			9a2	31	38'-9 4084	31	38'-9 4084	31	38'-9 4084	31	38'-9 4084
SLAB LONGITUDINAL BOTTOM			9a3	31	36'-2 3812	31	36'-2 3812	31	36'-2 3812	31	36'-2 3812
SLAB LONGITUDINAL BOTTOM			8a4	32	29'-4 2506	32	29'-4 2506	32	29'-4 2506	32	29'-4 2506
SLAB LONGITUDINAL BOTTOM			9a5	16	34'-0 1850	16	34'-0 1850	16	34'-0 1850	16	34'-0 1850
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a6	8	35'-5 963	8	35'-5 963	8	35'-5 963	8	35'-5 963
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a7	8	12'-0 326	8	12'-0 326	8	12'-0 326	8	12'-0 326
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a8	4	42'-2 573	4	42'-2 573	4	42'-2 573	4	42'-2 573
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	8	25'-7 546	8	25'-7 546	8	25'-7 546	8	25'-7 546
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	31	7'-4 465	31	7'-4 465	31	7'-4 465	31	7'-4 465
SLAB LONGITUDINAL TOP			10b2	31	27'-6 3668	31	27'-6 3668	31	27'-6 3668	31	27'-6 3668
SLAB LONGITUDINAL TOP			10b3	31	24'-9 3301	31	24'-9 3301	31	24'-9 3301	31	24'-9 3301
SLAB LONGITUDINAL TOP			7b4	31	22'-3 1410	31	22'-3 1410	31	22'-3 1410	31	22'-3 1410
SLAB LONGITUDINAL TOP			11b5	32	27'-9 4718	32	27'-9 4718	32	27'-9 4718	32	27'-9 4718
SLAB LONGITUDINAL TOP			6b6	16	30'-0 721	16	30'-0 721	16	30'-0 721	16	30'-0 721
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	28'-3 339	8	28'-3 339	8	28'-3 339	8	28'-3 339
SLAB LONGITUDINAL TOP, AT RAIL			10b9	8	27'-0 929	8	27'-0 929	8	27'-0 929	8	27'-0 929
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	23'-10 143	4	23'-10 143	4	23'-10 143	4	23'-10 143
SLAB LONGITUDINAL TOP, AT RAIL			6b11	8	30'-9 369	8	30'-9 369	8	30'-9 369	8	30'-9 369
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	26'-10 4716	117	27'-9 4877	110	26'-10 4433	100	26'-10 4030
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	20	VARIES	40	VARIES
SLAB TRANSVERSE, TOP			5d1	117	26'-10 3274	117	27'-9 3386	110	26'-10 3079	100	26'-10 2799
SLAB TRANSVERSE ENDS, TOP			5d2	-	-	-	-	20	VARIES	343	VARIES
SLAB, TRANSVERSE AT ABUTMENT			8e1	20	26'-10 1433	-	-	-	-	-	-
SLAB, TRANSVERSE AT ABUTMENT			8e2	-	-	20	27'-8 1477	20	30'-7 1633	20	36'-9 1962
SLAB, HAIRPINS, AT ABUTMENT			6e3	60	6'-10 616	60	6'-11 623	60	7'-3 653	60	7'-11 713
PIER CAP HOOPS			5h1	32	7'-10 261	32	7'-10 261	48	7'-10 392	48	7'-10 392
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	23'-10 509	8	24'-8 527	8	27'-6 587	8	33'-8 719
PIER CAP, TOP LONGITUDINAL			8h4	4	26'-10 287	4	27'-9 296	4	30'-11 330	4	37'-11 405
TOP OF SLAB, TRANSVERSE, AT RAIL			5j1	232	8'-6 2057	232	8'-6 2057	232	8'-6 2057	230	8'-6 2039
WING, VERTICAL			5m1-4	32	SHOWN	117	32	SHOWN	117	32	SHOWN
WING, HORIZONTAL			5n1	24	6'-8 167	24	6'-8 167	24	6'-8 167	24	6'-8 167
PAVING SUPPORT, TRANSVERSE			5p1	24	8'-10 221	26	8'-10 240	28	8'-10 258	34	8'-10 313
PAVING SUPPORT LONGITUDINAL			5p3	6	24'-2 151	6	25'-0 156	6	27'-11 175	6	34'-1 213
SUB TOTAL - LBS.					48,658		49,033		49,567		50,270
OPEN RAIL - SEE LIST ON RAIL SHEET J24-41-06					7638		7638		7638		7638
TOTAL - LBS. WITH MONOLITHIC PIER CAP AND OPEN RAIL					56,296		56,671		57,205		57,908
TOTAL - LBS. WITH NON-MONOLITHIC PIER CAP AND OPEN RAIL					55,085		55,433		55,742		56,238
SAME AS ABOVE EXCEPT ALL "h" BARS DELETED											

ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 120' BRIDGE

ITEM	SKEW	WITH MONOLITHIC PIER CAP				WITH NON-MONOLITHIC PIER CAP			
		0°	15°	30°	45°	0°	15°	30°	45°
OPEN RAIL	*STRUCTURAL CONCRETE (BRIDGE) C.Y.	227.9	228.7	231.5	237.6	223.7	224.4	226.7	231.8
	LBS.	56,296	56,671	57,205	57,908	55,085	55,433	55,742	56,238
OPEN RAIL	LIN. FT.	262.0	262.2	262.9	264.5	262.0	262.2	262.9	264.5

* INCLUDES 4 WINGS @ 0.71 C.Y. EACH; EXCLUDES RAIL CONCRETE.

BENT BAR DETAILS



NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.

12-07 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 120'-0 BRIDGE	
		J24-13-06	