

BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 70' BRIDGE

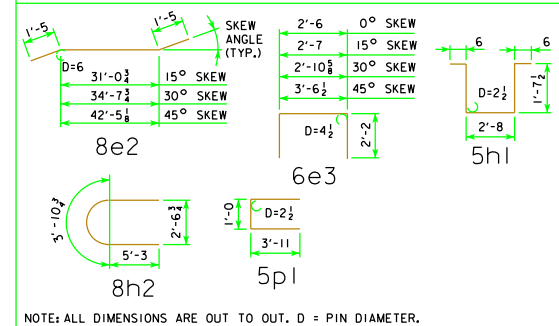
LOCATION	SKEW	SHAPE	BAR	NO.	0°		15°		30°		45°	
					LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
SLAB LONGITUDINAL BOTTOM			7a1	39	17'-1	1362	39	17'-1	1362	39	17'-1	1362
SLAB LONGITUDINAL BOTTOM			8a2	39	25'-0	2603	39	25'-0	2603	39	25'-0	2603
SLAB LONGITUDINAL BOTTOM			7a3	39	25'-4	2019	39	25'-4	2019	39	25'-4	2019
SLAB LONGITUDINAL BOTTOM			8a4	40	21'-10	2332	40	21'-10	2332	40	21'-10	2332
SLAB LONGITUDINAL BOTTOM			7a5	20	22'-0	899	20	22'-0	899	20	22'-0	899
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a6	8	25'-10	422	8	25'-10	422	8	25'-10	422
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a7	4	27'-4	223	4	27'-4	223	4	27'-4	223
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a8	8	19'-4	413	8	19'-4	413	8	19'-4	413
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	4	23'-6	251	4	23'-6	251	4	23'-6	251
SLAB LONGITUDINAL TOP			6b1	39	7'-10	459	39	7'-10	459	39	7'-10	459
SLAB LONGITUDINAL TOP			8b2	39	18'-3	1900	39	18'-3	1900	39	18'-3	1900
SLAB LONGITUDINAL TOP			8b3	39	26'-4	2742	39	26'-4	2742	39	26'-4	2742
SLAB LONGITUDINAL TOP			7b4	40	21'-1	1724	40	21'-1	1724	40	21'-1	1724
SLAB LONGITUDINAL TOP			8b5	40	12'-6	1335	40	12'-6	1335	40	12'-6	1335
SLAB LONGITUDINAL TOP			6b6	20	20'-4	611	20	20'-4	611	20	20'-4	611
SLAB LONGITUDINAL TOP, AT RAIL			8b8	8	38'-10	829	8	38'-10	829	8	38'-10	829
SLAB LONGITUDINAL TOP, AT RAIL			8b9	8	28'-10	616	8	28'-10	616	8	28'-10	616
SLAB TRANSVERSE, BOTTOM			6c1	67	32'-10	3304	67	34'-0	3422	56	32'-10	2170
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	-	28 VARIES	800	52 VARIES	1426
SLAB TRANSVERSE TOP			5d1	67	32'-10	2294	67	34'-0	2376	56	32'-10	1507
SLAB TRANSVERSE ENDS, TOP			5d2	-	-	-	-	-	28 VARIES	555	52 VARIES	990
SLAB, TRANSVERSE AT ABUTMENT			8e1	20	32'-10	1753	-	-	-	-	-	-
SLAB, TRANSVERSE AT ABUTMENT			8e2	-	-	-	20	33'-11	1811	20	37'-6	2003
SLAB HAIRPINS, AT ABUTMENT			6e3	72	6'-10	739	72	6'-11	748	72	7'-3	784
PIER CAP HOOPS			5h1	48	6'-11	346	48	6'-11	346	60	6'-11	433
PIER CAP ENDS			8h2	4	14'-5	154	4	14'-5	154	4	14'-5	154
PIER CAP, BOTTOM LONGITUDINAL			8h3	8	29'-10	637	8	30'-11	660	8	34'-5	735
PIER CAP, TOP LONGITUDINAL			8h4	4	32'-10	351	4	34'-0	363	4	37'-11	405
TOP OF SLAB, TRANSVERSE, AT RAIL			5j1	132	8'-6	1170	132	8'-6	1170	132	8'-6	1170
WING VERTICAL			5m1-4	32	SHOWN	117	32	SHOWN	117	32	SHOWN	117
WING, HORIZONTAL			5n1	24	6'-8	167	24	6'-8	167	24	6'-8	167
PAVING SUPPORT, TRANSVERSE			5p1	30	8'-10	276	32	8'-10	295	34	8'-10	313
PAVING SUPPORT, LONGITUDINAL			5p3	6	30'-2	189	6	31'-3	196	6	34'-10	218
SUB TOTAL - LBS.						32,237		32,565		33,274		34,271
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06						4649		4649		4649		4649
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06						4677		4677		4677		4677
TOTAL - LBS.						36,886		37,214		37,923		38,920
						36,914		37,242		37,951		38,948
TOTAL - LBS.						35,398		35,691		36,196		36,849
SAME AS ABOVE EXCEPT ALL "H" BARS DELETED						35,426		35,719		36,224		36,877

ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 70' BRIDGE

ITEM	SKEW	WITH MONOLITHIC PIER CAP				WITH NON-MONOLITHIC PIER CAP			
		0°	15°	30°	45°	0°	15°	30°	45°
WITH STRUCTURAL CONCRETE (BRIDGE) C.Y.		137.9	139.0	142.6	150.5	132.9	133.8	136.9	143.6
BARRIER RAIL REINFORCING STEEL EPOXY COATED LBS.		36,886	37,214	37,923	38,920	35,398	35,691	36,096	36,849
CONCRETE BARRIER OR OPEN RAIL LIN. FT.		162.0	162.2	162.9	164.5	162.0	162.2	162.9	164.5
WITH STRUCTURAL CONCRETE (BRIDGE) C.Y.		137.7	138.8	142.5	150.4	132.8	133.7	136.8	143.5
OPEN RAIL REINFORCING STEEL EPOXY COATED LBS.		36,914	37,242	37,951	38,948	35,426	35,719	36,224	36,877

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

BENT BAR DETAILS



12-07 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 70'-0 BRIDGE	
		EPOXY COATED REINFORCING	
		J30-03E-06	