

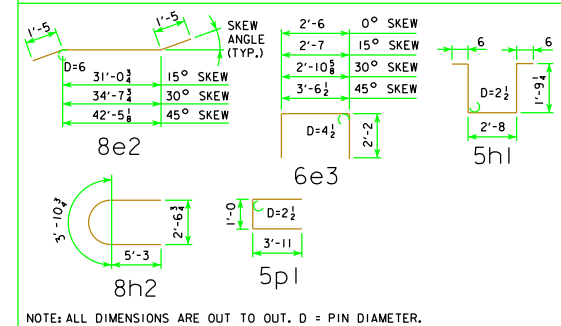
BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 90' BRIDGE

LOCATION	SKEW	SHAPE	BAR	NO.	0°		15°		30°		45°	
					LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
SLAB LONGITUDINAL BOTTOM			8a1	39	21'-1	2195	39	21'-1	2195	39	21'-1	2195
SLAB LONGITUDINAL BOTTOM			8a2	39	30'-3	3150	39	30'-3	3150	39	30'-3	3150
SLAB LONGITUDINAL BOTTOM			8a3	39	28'-6	2968	39	28'-6	2968	39	28'-6	2968
SLAB LONGITUDINAL BOTTOM			8a4	40	26'-7	2839	40	26'-7	2839	40	26'-7	2839
SLAB LONGITUDINAL BOTTOM			8a5	20	28'-0	1495	20	28'-0	1495	20	28'-0	1495
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a6	8	33'-4	712	8	33'-4	712	8	33'-4	712
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a7	4	34'-4	367	4	34'-4	367	4	34'-4	367
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a8	8	23'-10	509	8	23'-10	509	8	23'-10	509
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	4	21'-0	224	4	21'-0	224	4	21'-0	224
SLAB LONGITUDINAL TOP			8b1	39	6'-10	400	39	6'-10	400	39	6'-10	400
SLAB LONGITUDINAL TOP			9b2	39	22'-9	3017	39	22'-9	3017	39	22'-9	3017
SLAB LONGITUDINAL TOP			9b3	39	33'-10	4486	39	33'-10	4486	39	33'-10	4486
SLAB LONGITUDINAL TOP			6b4	40	11'-10	711	40	11'-10	711	40	11'-10	711
SLAB LONGITUDINAL TOP			9b5	40	27'-6	3740	40	27'-6	3740	40	27'-6	3740
SLAB LONGITUDINAL TOP			6b6	20	16'-10	506	20	16'-10	506	20	16'-10	506
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	24'-10	298	8	24'-10	298	8	24'-10	298
SLAB LONGITUDINAL TOP, AT RAIL			9b9	8	19'-6	530	8	19'-6	530	8	19'-6	530
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	18'-0	108	4	18'-0	108	4	18'-0	108
SLAB LONGITUDINAL TOP, AT RAIL			6b11	8	27'-4	328	8	27'-4	328	8	27'-4	328
SLAB LONGITUDINAL TOP, AT RAIL			10b12	8	13'-3	456	8	13'-3	456	8	13'-3	456
SLAB TRANSVERSE, BOTTOM			6c1	87	32'-10	4290	87	34'-0	4443	76	32'-10	3748
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	-	-	28	VARIES	800
SLAB TRANSVERSE, TOP			5d1	87	32'-10	2979	87	34'-0	3085	76	32'-10	2603
SLAB TRANSVERSE ENDS, TOP			5d2	-	-	-	-	-	-	28	VARIES	555
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	56	7'-3	423	56	7'-3	423	56	7'-3	423
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	172	8'-6	1525	172	8'-6	1525	172	8'-6	1525
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.						42,639		43,026		43,589		44,605
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06						5642		5642		5642		5642
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06						5907		5907		5907		5907
TOTAL - LBS.						48,281		48,668		49,231		50,247
						48,546		48,933		49,496		50,512
TOTAL - LBS.						46,716		47,068		47,514		48,166
SAME AS ABOVE EXCEPT ALL "h" BARS DELETED						46,981		47,333		47,779		48,431

ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 90' 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.		183.2	184.3	187.8	195.6	178.2	179.1	182.2	188.7
BARRIER RAIL REINFORCING STEEL EPOXY COATED LBS.		48,281	48,668	49,231	50,247	46,716	47,068	47,514	48,166
CONCRETE BARRIER OR OPEN RAIL LIN. FT.		202.0	202.2	202.9	204.5	202.0	202.2	202.9	204.5
WITH *STRUCTURAL CONCRETE (BRIDGE) C.Y.		183.0	184.1	187.7	195.4	178.1	179.0	182.0	188.6
OPEN RAIL REINFORCING STEEL EPOXY COATED LBS.		48,546	48,933	49,496	50,512	46,981	47,333	47,779	48,431
* 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 90'-0 BRIDGE	
		EPOXY COATED REINFORCING	
		J30-07E-06	