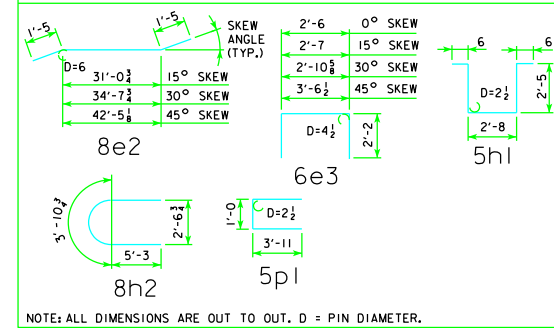


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 150' BRIDGE

LOCATION	SKEW	SHAPE	BAR	NO.	0° LENGTH	WEIGHT	NO.	15° LENGTH	WEIGHT	NO.	30° LENGTH	WEIGHT	NO.	45° LENGTH	WEIGHT
SLAB LONGITUDINAL BOTTOM			10a1	39	32'-4	5427	39	32'-4	5427	39	32'-4	5427	39	32'-4	5427
SLAB LONGITUDINAL BOTTOM			10a2	39	48'-4	8112	39	48'-4	8112	39	48'-4	8112	39	48'-4	8112
SLAB LONGITUDINAL BOTTOM			10a3	39	45'-4	7608	39	45'-4	7608	39	45'-4	7608	39	45'-4	7608
SLAB LONGITUDINAL BOTTOM			9a4	40	36'-1	4908	40	36'-1	4908	40	36'-1	4908	40	36'-1	4908
SLAB LONGITUDINAL BOTTOM			9a5	20	42'-6	2890	20	42'-6	2890	20	42'-6	2890	20	42'-6	2890
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a6	8	43'-11	1195	8	43'-11	1195	8	43'-11	1195	8	43'-11	1195
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a7	8	13'-0	354	8	13'-0	354	8	13'-0	354	8	13'-0	354
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a8	4	53'-2	724	4	53'-2	724	4	53'-2	724	4	53'-2	724
SLAB LONGITUDINAL BOTTOM, AT RAIL			10a9	8	37'-1	1277	8	37'-1	1277	8	37'-1	1277	8	37'-1	1277
SLAB LONGITUDINAL BOTTOM, AT RAIL			10a10	4	32'-0	551	4	32'-0	551	4	32'-0	551	4	32'-0	551
SLAB LONGITUDINAL TOP			6b1	39	6'-4	371	39	6'-4	371	39	6'-4	371	39	6'-4	371
SLAB LONGITUDINAL TOP			11b2	39	30'-3	6269	39	30'-3	6269	39	30'-3	6269	39	30'-3	6269
SLAB LONGITUDINAL TOP			11b3	39	26'-0	5388	39	26'-0	5388	39	26'-0	5388	39	26'-0	5388
SLAB LONGITUDINAL TOP			8b4	39	32'-2	3350	39	32'-2	3350	39	32'-2	3350	39	32'-2	3350
SLAB LONGITUDINAL TOP			11b5	40	27'-6	5845	40	27'-6	5845	40	27'-6	5845	40	27'-6	5845
SLAB LONGITUDINAL TOP			6b6	20	39'-0	1172	20	39'-0	1172	20	39'-0	1172	20	39'-0	1172
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	34'-6	415	8	34'-6	415	8	34'-6	415	8	34'-6	415
SLAB LONGITUDINAL TOP, AT RAIL			11b9	8	33'-0	1403	8	33'-0	1403	8	33'-0	1403	8	33'-0	1403
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	29'-4	177	4	29'-4	177	4	29'-4	177	4	29'-4	177
SLAB LONGITUDINAL TOP, AT RAIL			7b11	8	40'-0	655	8	40'-0	655	8	40'-0	655	8	40'-0	655
SLAB LONGITUDINAL TOP, AT RAIL			11b12	8	23'-0	978	8	23'-0	978	8	23'-0	978	8	23'-0	978
SLAB TRANSVERSE, BOTTOM			6c1	147	32'-10	7250	147	34'-0	7507	136	32'-10	6707	124	32'-10	6116
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	-	-	28	VARIES	800	52	VARIES	1426
SLAB TRANSVERSE, TOP			5d1	147	32'-10	5035	147	34'-0	5213	136	32'-10	4658	124	32'-10	4247
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	44	8'-6	391	44	8'-6	391	44	8'-6	391	66	8'-6	586
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	292	8'-6	2589	292	8'-6	2589	292	8'-6	2589	290	8'-6	2571
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.						78,720			79,283			79,668			80,773
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06						8853			8853			8853			8853
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06						9182			9182			9182			9182
TOTAL - LBS.								WITH BARRIER RAIL	87,573			88,136			89,626
								WITH OPEN RAIL	87,902			88,465			89,955
TOTAL - LBS.								WITH BARRIER RAIL	86,039			86,566			87,488
SAME AS ABOVE EXCEPT ALL "H" BARS DELETED								WITH OPEN RAIL	86,368			86,895			87,817

BENT BAR DETAILS



ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 150' 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.		399.8	400.7	404.0	411.2	394.8	395.6	398.4	404.3
BARRIER RAIL REINFORCING STEEL LBS.		87,573	88,136	88,521	89,626	86,039	86,566	86,835	87,488
CONCRETE BARRIER OR OPEN RAIL LIN. FT.		322.0	322.2	322.9	324.5	322.0	322.2	322.9	324.5
WITH STRUCTURAL CONCRETE (BRIDGE) C.Y.		399.5	400.5	403.8	410.9	394.5	395.3	398.1	404.0
OPEN RAIL REINFORCING STEEL LBS.		87,902	88,465	88,850	89,955	86,368	86,895	87,164	87,817

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

12-07 LATEST REVISION DATE	<i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 150'-0 BRIDGE NON-EPOXY COATED REINFORCING	J30-19B-06