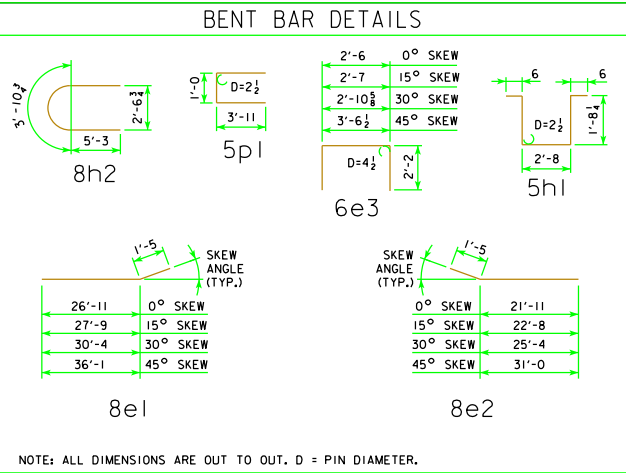


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 80' BRIDGE															
LOCATION	SKEW	SHAPE	BAR	NO.	0°		NO.	15°		NO.	30°		NO.	45°	
					LENGTH	WEIGHT		LENGTH	WEIGHT		LENGTH	WEIGHT		LENGTH	WEIGHT
SLAB LONGITUDINAL BOTTOM			8a1	58	19'-4	2994	58	19'-4	2994	58	19'-4	2994	58	19'-4	2994
SLAB LONGITUDINAL BOTTOM			8a2	58	27'-0	4181	58	27'-0	4181	58	27'-0	4181	58	27'-0	4181
SLAB LONGITUDINAL BOTTOM			8a3	58	29'-1	4504	58	29'-1	4504	58	29'-1	4504	58	29'-1	4504
SLAB LONGITUDINAL BOTTOM			7a4	58	24'-1	2855	58	24'-1	2855	58	24'-1	2855	58	24'-1	2855
SLAB LONGITUDINAL BOTTOM			7a5	29	24'-6	1452	29	24'-6	1452	29	24'-6	1452	29	24'-6	1452
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a6	8	29'-10	488	8	29'-10	488	8	29'-10	488	8	29'-10	488
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a7	4	29'-4	240	4	29'-4	240	4	29'-4	240	4	29'-4	240
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a8	8	21'-10	466	8	21'-10	466	8	21'-10	466	8	21'-10	466
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	4	25'-6	272	4	25'-6	272	4	25'-6	272	4	25'-6	272
SLAB LONGITUDINAL TOP			6b1	58	18'-4	1597	58	18'-4	1597	58	18'-4	1597	58	18'-4	1597
SLAB LONGITUDINAL TOP			9b2	58	21'-9	4289	58	21'-9	4289	58	21'-9	4289	58	21'-9	4289
SLAB LONGITUDINAL TOP			9b3	58	30'-10	6080	58	30'-10	6080	58	30'-10	6080	58	30'-10	6080
SLAB LONGITUDINAL TOP			6b4	58	6'-4	552	58	6'-4	552	58	6'-4	552	58	6'-4	552
SLAB LONGITUDINAL TOP			8b5	58	21'-3	3291	58	21'-3	3291	58	21'-3	3291	58	21'-3	3291
SLAB LONGITUDINAL TOP			6b6	29	16'-4	711	29	16'-4	711	29	16'-4	711	29	16'-4	711
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	24'-4	292	8	24'-4	292	8	24'-4	292	8	24'-4	292
SLAB LONGITUDINAL TOP, AT RAIL			9b9	8	23'-6	639	8	23'-6	639	8	23'-6	639	8	23'-6	639
SLAB LONGITUDINAL TOP, AT RAIL			8b10	8	32'-10	701	8	32'-10	701	8	32'-10	701	8	32'-10	701
SLAB TRANSVERSE BOTTOM			6c1	77	25'-5	2940	77	26'-4	3046	68	25'-5	2596	58	25'-5	2214
SLAB TRANSVERSE BOTTOM			6c2	77	23'-3	2689	77	24'-1	2785	69	23'-3	2410	60	23'-3	2095
SLAB TRANSVERSE ENDS, BOTTOM			6c3	-	-	-	-	-	-	12	VARIES	267	20	VARIES	459
SLAB TRANSVERSE ENDS, BOTTOM			6c4	-	-	-	-	-	-	11	VARIES	255	20	VARIES	434
SLAB TRANSVERSE ENDS, BOTTOM			6c5	-	-	-	-	-	-	11	VARIES	213	19	VARIES	350
SLAB TRANSVERSE ENDS, BOTTOM			6c6	-	-	-	-	-	-	11	VARIES	230	18	VARIES	386
SLAB TRANSVERSE TOP			5d1	77	25'-9	2068	77	26'-8	2142	68	25'-9	1826	58	25'-9	1558
SLAB TRANSVERSE TOP			5d2	77	23'-3	1867	77	24'-1	1934	69	23'-3	1673	60	23'-3	1455
SLAB TRANSVERSE ENDS, TOP			5d3	-	-	-	-	-	-	12	VARIES	186	20	VARIES	319
SLAB TRANSVERSE ENDS, TOP			5d4	-	-	-	-	-	-	11	VARIES	177	20	VARIES	301
SLAB TRANSVERSE ENDS, TOP			5d5	-	-	-	-	-	-	11	VARIES	148	19	VARIES	243
SLAB TRANSVERSE ENDS, TOP			5d6	-	-	-	-	-	-	11	VARIES	160	18	VARIES	268
SLAB, TRANSVERSE AT ABUTMENT			8e1	20	28'-4	1513	20	29'-2	1558	20	31'-9	1695	20	37'-6	2003
SLAB, TRANSVERSE AT ABUTMENT			8e2	20	23'-4	1246	20	24'-1	1286	20	26'-9	1428	20	32'-5	1731
SLAB, HAIRPINS, AT ABUTMENT			6e3	100	6'-10	1026	100	6'-11	1039	100	7'-3	1089	100	7'-11	1189
PIER CAP HOOPS			5h1	72	7'-1	532	72	7'-1	532	90	7'-1	665	108	7'-1	798
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	27'-5	586	8	28'-8	612	8	31'-8	676	8	37'-10	808
PIER CAP, BOTTOM LONGITUDINAL			8h4	8	21'-11	468	8	22'-4	477	8	24'-6	523	8	29'-8	634
PIER CAP, TOP LONGITUDINAL			8h5	4	28'-2	301	4	29'-6	315	4	32'-8	349	4	38'-11	416
PIER CAP, TOP LONGITUDINAL			8h6	4	23'-5	250	4	23'-11	255	4	26'-3	280	4	31'-6	336
TOP OF SLAB, TRANSVERSE, AT RAIL			5j1	152	8'-6	1348	152	8'-6	1348	146	8'-6	1294	144	8'-6	1277
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	44	8'-10	405	46	8'-10	424	50	8'-10	461	62	8'-10	571
PAVING SUPPORT LONGITUDINAL			5p3	6	24'-9	155	6	26'-1	163	6	28'-9	180	6	34'-7	216
PAVING SUPPORT LONGITUDINAL			5p4	6	22'-0	138	6	22'-10	143	6	25'-5	159	6	31'-1	195
SUB TOTAL - LBS.						53,574			54,101			54,982			56,298
BARRIER RAIL - SEE LIST ON RAIL SHEET J44-46-06						5156			5156			5156			5156
OPEN RAIL - SEE LIST ON RAIL SHEET J44-49-06						5376			5376			5376			5376
TOTAL - LBS.						58,730			59,257			60,138			61,454
						WITH MONOLITHIC PIER CAP			WITH OPEN RAIL			60,358			61,674
TOTAL - LBS.						56,439			56,912			57,491			58,308
						WITH NON-MONOLITHIC PIER CAP			WITH BARRIER RAIL			57,711			58,528
SAME AS ABOVE EXCEPT ALL "h" BARS DELETED						56,659			57,132			57,711			58,528

ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 80' BRIDGE										
ITEM	SKEW	WITH MONOLITHIC PIER CAP				WITH NON-MONOLITHIC PIER CAP				C.Y.
		0°	15°	30°	45°	0°	15°	30°	45°	
WITH BARRIER RAIL	*STRUCTURAL CONCRETE (BRIDGE)	224.8	226.3	231.5	242.8	218.4	219.7	224.2	233.9	
REINFORCING STEEL EPOXY COATED	LBS.	58,730	59,257	60,138	61,454	56,439	56,912	57,491	58,308	
CONCRETE BARRIER OR OPEN RAIL	LIN. FT.	182.0	182.2	182.9	184.5	182.0	182.2	182.9	184.5	
WITH OPEN RAIL	*STRUCTURAL CONCRETE (BRIDGE)	224.6	226.1	231.3	242.6	218.2	219.5	224.0	233.8	
REINFORCING STEEL EPOXY COATED	LBS.	58,950	59,477	60,358	61,674	56,659	57,132	57,711	58,528	
* INCLUDES 4 WINGS @ 0.71 C.Y. EACH; EXCLUDES RAIL CONCRETE.										



NOTES:

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

THE TRANSVERSE REBARS ARE DETAILED WITH A SPLICE LAP. AT THE CONTRACTOR'S OPTION, THIS LAP MAY BE ELIMINATED BY FURNISHING FULL LENGTH BARS WITH NO REDUCTION IN PAY WEIGHT FOR SAME.

12-07 LATEST REVISION DATE	<i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 80'-0' BRIDGE	J44-05-06