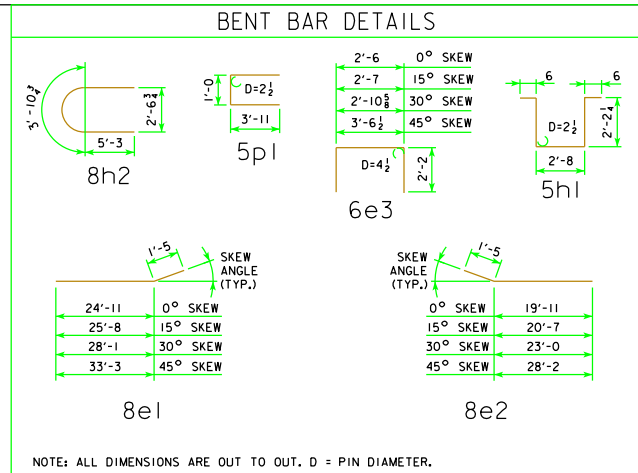


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 130' BRIDGE																		
LOCATION	SKEW	SHAPE	0°				15°				30°				45°			
			BAR	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT			
SLAB LONGITUDINAL BOTTOM			9a1	53	29'-10	5376	53	29'-10	5376	53	29'-10	5376	53	29'-10	5376	53	29'-10	5376
SLAB LONGITUDINAL BOTTOM			9a2	53	44'-6	8019	53	44'-6	8019	53	44'-6	8019	53	44'-6	8019	53	44'-6	8019
SLAB LONGITUDINAL BOTTOM			9a3	53	41'-3	7433	53	41'-3	7433	53	41'-3	7433	53	41'-3	7433	53	41'-3	7433
SLAB LONGITUDINAL BOTTOM			9a4	52	33'-10	5982	52	33'-10	5982	52	33'-10	5982	52	33'-10	5982	52	33'-10	5982
SLAB LONGITUDINAL BOTTOM			10a5	26	41'-0	4587	26	41'-0	4587	26	41'-0	4587	26	41'-0	4587	26	41'-0	4587
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a6	8	39'-8	1079	8	39'-8	1079	8	39'-8	1079	8	39'-8	1079	8	39'-8	1079
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a7	8	13'-0	354	8	13'-0	354	8	13'-0	354	8	13'-0	354	8	13'-0	354
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a8	4	48'-8	662	4	48'-8	662	4	48'-8	662	4	48'-8	662	4	48'-8	662
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	8	32'-4	691	8	32'-4	691	8	32'-4	691	8	32'-4	691	8	32'-4	691
SLAB LONGITUDINAL BOTTOM, AT RAIL			9a10	4	29'-0	394	4	29'-0	394	4	29'-0	394	4	29'-0	394	4	29'-0	394
SLAB LONGITUDINAL TOP			6b1	53	6'-7	524	53	6'-7	524	53	6'-7	524	53	6'-7	524	53	6'-7	524
SLAB LONGITUDINAL TOP			11b2	53	28'-9	8096	53	28'-9	8096	53	28'-9	8096	53	28'-9	8096	53	28'-9	8096
SLAB LONGITUDINAL TOP			11b3	53	30'-6	8588	53	30'-6	8588	53	30'-6	8588	53	30'-6	8588	53	30'-6	8588
SLAB LONGITUDINAL TOP			7b4	53	22'-7	2446	53	22'-7	2446	53	22'-7	2446	53	22'-7	2446	53	22'-7	2446
SLAB LONGITUDINAL TOP			10b5	52	25'-6	5706	52	25'-6	5706	52	25'-6	5706	52	25'-6	5706	52	25'-6	5706
SLAB LONGITUDINAL TOP			6b6	26	34'-4	1341	26	34'-4	1341	26	34'-4	1341	26	34'-4	1341	26	34'-4	1341
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	29'-1	349	8	29'-1	349	8	29'-1	349	8	29'-1	349	8	29'-1	349
SLAB LONGITUDINAL TOP, AT RAIL			11b9	8	32'-9	1392	8	32'-9	1392	8	32'-9	1392	8	32'-9	1392	8	32'-9	1392
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	23'-0	138	4	23'-0	138	4	23'-0	138	4	23'-0	138	4	23'-0	138
SLAB LONGITUDINAL TOP, AT RAIL			7b11	8	34'-4	561	8	34'-4	561	8	34'-4	561	8	34'-4	561	8	34'-4	561
SLAB LONGITUDINAL TOP, AT RAIL			11b12	8	23'-9	1009	8	23'-9	1009	8	23'-9	1009	8	23'-9	1009	8	23'-9	1009
SLAB TRANSVERSE BOTTOM			6c1	127	23'-5	4467	127	24'-3	4626	120	23'-5	4221	112	23'-5	3939			
SLAB TRANSVERSE BOTTOM			6c2	127	21'-3	4054	127	22'-0	4197	121	21'-3	3862	114	21'-3	3639			
SLAB TRANSVERSE ENDS, BOTTOM			6c3	-	-	-	-	-	-	11	VARIES	226	18	VARIES	386			
SLAB TRANSVERSE ENDS, BOTTOM			6c4	-	-	-	-	-	-	10	VARIES	219	18	VARIES	363			
SLAB TRANSVERSE ENDS, BOTTOM			6c5	-	-	-	-	-	-	10	VARIES	180	17	VARIES	288			
SLAB TRANSVERSE ENDS, BOTTOM			6c6	-	-	-	-	-	-	10	VARIES	193	16	VARIES	319			
SLAB TRANSVERSE TOP			5d1	127	23'-9	3146	127	24'-7	3256	120	23'-9	2973	112	23'-9	2774			
SLAB TRANSVERSE TOP			5d2	127	21'-3	2815	127	22'-0	2914	121	21'-3	2682	114	21'-3	2527			
SLAB TRANSVERSE ENDS, TOP			5d3	-	-	-	-	-	-	11	VARIES	157	18	VARIES	268			
SLAB TRANSVERSE ENDS, TOP			5d4	-	-	-	-	-	-	10	VARIES	152	18	VARIES	252			
SLAB TRANSVERSE ENDS, TOP			5d5	-	-	-	-	-	-	10	VARIES	125	17	VARIES	200			
SLAB TRANSVERSE ENDS, TOP			5d6	-	-	-	-	-	-	10	VARIES	134	16	VARIES	222			
SLAB, TRANSVERSE AT ABUTMENT			8e1	20	26'-4	1406	20	27'-1	1446	20	29'-6	1575	20	34'-8	1851			
SLAB, TRANSVERSE AT ABUTMENT			8e2	20	21'-4	1139	20	22'-0	1175	20	24'-5	1304	20	29'-7	1580			
SLAB, HAIRPINS, AT ABUTMENT			6e3	92	6'-10	944	92	6'-11	956	92	7'-3	1002	92	7'-11	1094			
PIER CAP HOOPS			5h1	52	8'-1	438	52	8'-1	438	78	8'-1	658	104	8'-1	877			
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	25'-5	543	8	26'-7	568	8	29'-4	627	8	35'-0	748			
PIER CAP, BOTTOM LONGITUDINAL			8h4	8	19'-11	425	8	20'-3	433	8	22'-2	473	8	26'-10	573			
PIER CAP, TOP LONGITUDINAL			8h5	4	26'-2	279	4	27'-5	293	4	30'-4	324	4	36'-1	385			
PIER CAP, TOP LONGITUDINAL			8h6	4	21'-5	229	4	21'-10	233	4	23'-11	255	4	28'-8	306			
TOP OF SLAB, TRANSVERSE, AT RAIL			5j1	252	8'-6	2234	252	8'-6	2234	246	8'-6	2181	244	8'-6	2163			
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	40	8'-10	369	42	8'-10	387	46	8'-10	424	56	8'-10	516			
PAVING SUPPORT LONGITUDINAL			5p3	6	22'-9	142	6	24'-0	150	6	26'-5	165	6	31'-9	199			
PAVING SUPPORT LONGITUDINAL			5p4	6	20'-0	125	6	20'-9	130	6	23'-1	144	6	28'-3	177			
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ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 130' BRIDGE											
		WITH MONOLITHIC PIER CAP				WITH NON-MONOLITHIC PIER CAP					
ITEM	SKEW	0°	15°	30°	45°	0°	15°	30°	45°		
WITH BARRIER RAIL	*STRUCTURAL CONCRETE (BRIDGE) C.Y.	409.1	410.4	414.9	424.6	403.1	404.2	408.0	416.2		
	REINFORCING STEEL EPOXY COATED LBS.	95,666	96,347	97,167	98,557	93,598	94,228	94,676	95,514		
	CONCRETE BARRIER OR OPEN RAIL LIN. FT.	282.0	282.2	282.9	284.5	282.0	282.2	282.9	284.5		
WITH OPEN RAIL	*STRUCTURAL CONCRETE (BRIDGE) C.Y.	408.9	410.2	414.6	424.3	402.8	403.9	407.7	415.9		
	REINFORCING STEEL EPOXY COATED LBS.	96,070	96,751	97,571	98,961	94,002	94,632	95,080	95,918		
* 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 - 40' ROADWAY, 3 SPAN BRIDGES	
		CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 130'-0 BRIDGE	J40-15-06