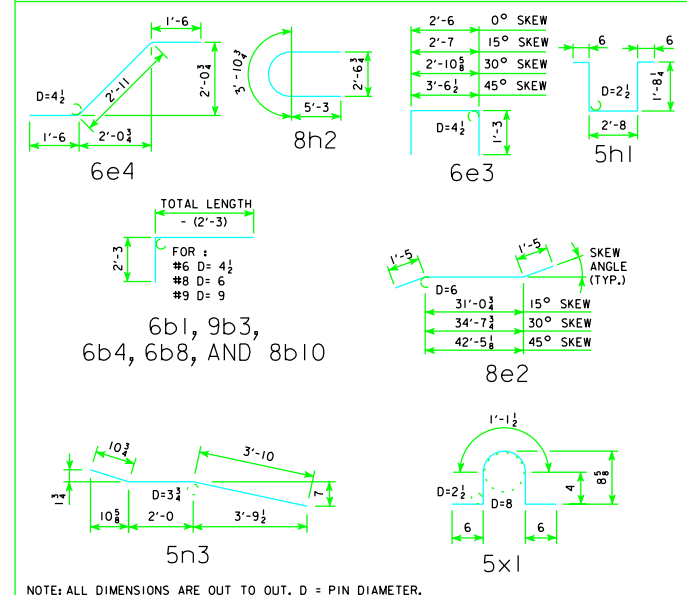


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 80' BRIDGE

LOCATION	SKEW	SHAPE	0°		15°		30°		45°				
			NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH			
SLAB LONGITUDINAL BOTTOM			8a1	39	17'-3	1797	39	17'-3	1797	39	17'-3	1797	
SLAB LONGITUDINAL BOTTOM			8a2	39	25'-0	2604	39	25'-0	2604	39	25'-0	2604	
SLAB LONGITUDINAL BOTTOM			8a3	39	27'-0	2812	39	27'-0	2812	39	27'-0	2812	
SLAB LONGITUDINAL BOTTOM			7a4	40	22'-3	1820	40	22'-3	1820	40	22'-3	1820	
SLAB LONGITUDINAL BOTTOM			7a5	20	23'-0	941	20	23'-0	941	20	23'-0	941	
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a6	8	28'-9	471	8	28'-9	471	8	28'-9	471	
SLAB LONGITUDINAL BOTTOM, AT RAIL			7a7	4	27'-4	224	4	27'-4	224	4	27'-4	224	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a8	8	19'-9	422	8	19'-9	422	8	19'-9	422	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	4	23'-6	251	4	23'-6	251	4	23'-6	251	
SLAB LONGITUDINAL TOP			6b1	39	19'-3	1128	39	19'-3	1128	39	19'-3	1128	
SLAB LONGITUDINAL TOP			9b2	39	20'-3	2686	39	20'-3	2686	39	20'-3	2686	
SLAB LONGITUDINAL TOP			9b3	39	31'-2	4133	39	31'-2	4133	39	31'-2	4133	
SLAB LONGITUDINAL TOP			6b4	40	7'-3	436	40	7'-3	436	40	7'-3	436	
SLAB LONGITUDINAL TOP			8b5	40	20'-3	2163	40	20'-3	2163	40	20'-3	2163	
SLAB LONGITUDINAL TOP			6b6	20	16'-6	496	20	16'-6	496	20	16'-6	496	
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	25'-9	310	8	25'-9	310	8	25'-9	310	
SLAB LONGITUDINAL TOP, AT RAIL			9b9	8	22'-2	603	8	22'-2	603	8	22'-2	603	
SLAB LONGITUDINAL TOP, AT RAIL			8b10	8	33'-6	716	8	33'-6	716	8	33'-6	716	
SLAB TRANSVERSE, BOTTOM			6c1	77	32'-10	3798	77	34'-0	3933	64	32'-10	2466	
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	30	VARIABLES	797	56	VARIABLES	1486
SLAB TRANSVERSE, TOP			5d1	77	32'-10	2637	77	34'-0	2731	64	32'-10	2192	
SLAB TRANSVERSE ENDS, TOP			5d2	-	-	-	-	30	VARIABLES	553	56	VARIABLES	1032
SLAB, TRANSVERSE AT ABUTMENT			8e1	18	32'-10	1578	-	-	-	-	-	-	
SLAB, TRANSVERSE AT ABUTMENT			8e2	-	-	-	18	33'-11	1631	18	37'-6	1803	
SLAB, HAIRPINS, AT ABUTMENT			6e3	72	5'-0	541	72	5'-1	550	72	5'-5	586	
SLAB, DIAGONALS, AT ABUTMENT			6e4	72	5'-11	640	72	5'-11	640	72	5'-11	640	
PIER CAP HOOPS			5h1	48	7'-1	355	48	7'-1	355	60	7'-1	444	
PIER CAP ENDS			8h2	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	
PIER CAP, TOP LONGITUDINAL			8h4	4	32'-10	351	4	34'-0	364	4	37'-11	405	
TOP OF SLAB, TRANSVERSE, AT RAIL			5j1	152	8'-6	1348	152	8'-6	1348	150	8'-6	1330	
WING, VERTICAL			5m1	40	4'-5	185	40	4'-5	185	40	4'-5	185	
WING, HORIZONTAL BACK FACE			5n1	24	6'-8	167	24	6'-8	167	24	6'-8	167	
WING, HORIZONTAL TRAFFIC FACE			5n3	24	6'-9	169	24	6'-9	169	24	6'-9	169	
PAVING BLOCK LIFTING HOOPS			5x1	10	2'-10	30	10	2'-10	30	10	2'-10	30	
SUB TOTAL - LBS.					36,604		36,931		37,379		38,152		
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06					5464		5464		5464		5464		
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06					5799		5799		5799		5799		
TOTAL - LBS.			WITH MONOLITHIC PIER CAP	WITH BARRIER RAIL	42,068		42,395		42,843		43,616		
			WITH OPEN RAIL		42,403		42,730		43,178		43,951		
TOTAL - LBS.			WITH NON-MONOLITHIC PIER CAP	WITH BARRIER RAIL	40,570		40,861		41,104		41,532		
SAME AS ABOVE EXCEPT ALL "H" BARS DELETED			WITH OPEN RAIL		40,905		41,196		41,439		41,867		

BENT BAR DETAILS



ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 80' 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.		152.0	152.8	155.6	161.6	147.4	148.0	150.4	155.3
BARRIER RAIL REINFORCING STEEL LBS.		42,068	42,395	42,843	43,616	40,570	40,861	41,104	41,532
CONCRETE BARRIER OR OPEN RAIL LIN. FT.		182.0	182.2	182.9	184.5	182.0	182.2	182.9	184.5
WITH *STRUCTURAL CONCRETE (BRIDGE) C.Y.		151.8	152.6	155.5	161.5	147.2	147.9	150.2	155.1
OPEN RAIL REINFORCING STEEL LBS.		42,403	42,730	43,178	43,951	40,905	41,196	41,439	41,867

* INCLUDES 4 WINGS @ 0.68 C.Y. EACH AND 2 TEMPORARY PAVING BLOCKS; EXCLUDES RAIL CONCRETE.

07-09 LATEST REVISION DATE	<i>Thomas C. McQuinn</i> APPROVED BY BRIDGE ENGINEER	
		STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006
		SUPERSTRUCTURE DETAILS 80'-0 BRIDGE
		J30-05B-06
NON-EPOXY COATED REINFORCING		

REVISED 07-09 - OPEN RAIL REINF. QTY'S. CHANGED WHICH CHANGED TOTAL REINF. QTY'S.