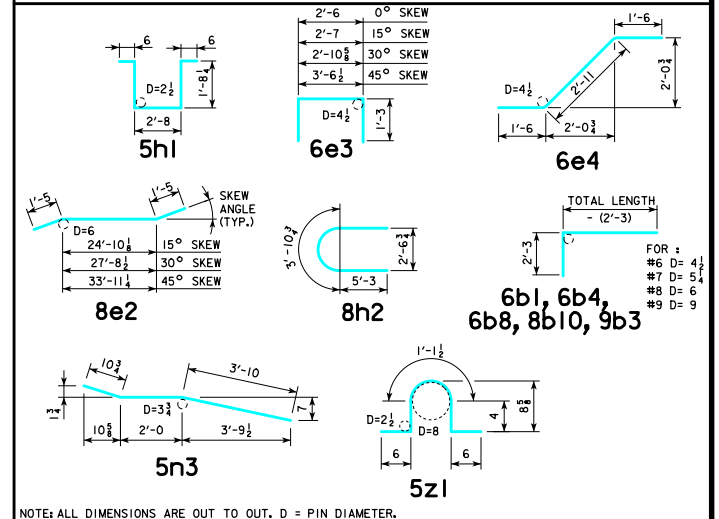


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 80' BRIDGE

LOCATION	SHAPE	BAR NO.	0°		15°		30°		45°				
			LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT			
SLAB LONGITUDINAL BOTTOM	8a1	31	17'-3	1428	31	17'-3	1428	31	17'-3	1428			
SLAB LONGITUDINAL BOTTOM	8a2	31	25'-0	2070	31	25'-0	2070	31	25'-0	2070			
SLAB LONGITUDINAL BOTTOM	8a3	31	27'-0	2235	31	27'-0	2235	31	27'-0	2235			
SLAB LONGITUDINAL BOTTOM	7a4	32	22'-3	1456	32	22'-3	1456	32	22'-3	1456			
SLAB LONGITUDINAL BOTTOM	7a5	16	23'-0	753	16	23'-0	753	16	23'-0	753			
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	31	19'-3	897	31	19'-3	897	31	19'-3	897			
SLAB LONGITUDINAL TOP	9b2	31	20'-3	2135	31	20'-3	2135	31	20'-3	2135			
SLAB LONGITUDINAL TOP	9b3	31	31'-2	3285	31	31'-2	3285	31	31'-2	3285			
SLAB LONGITUDINAL TOP	6b4	32	7'-3	349	32	7'-3	349	32	7'-3	349			
SLAB LONGITUDINAL TOP	8b5	32	20'-3	1731	32	20'-3	1731	32	20'-3	1731			
SLAB LONGITUDINAL TOP	6b6	16	16'-6	397	16	16'-6	397	16	16'-6	397			
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	26'-10	3104	77	27'-9	3210	66	26'-10	2661			
SLAB TRANSVERSE, BOTTOM	6c2	-	-	-	-	-	24	VARIES	579	44	VARIES		
SLAB TRANSVERSE, TOP	77	26'-10	2156	77	27'-9	2229	66	26'-10	1848	56	26'-10	1568	
SLAB TRANSVERSE ENDS, TOP	5d1	-	-	-	-	-	24	VARIES	402	44	VARIES		
SLAB TRANSVERSE ENDS, TOP	8e1	18	26'-10	1290	-	-	-	-	-	-	-		
SLAB TRANSVERSE AT ABUTMENT	8e2	-	-	-	18	27'-8	1330	18	30'-7	1470	18	36'-9	1767
SLAB, HAIRPINS, AT ABUTMENT	6e3	60	5'-0	451	60	5'-1	459	60	5'-5	489	60	6'-1	549
SLAB, DIAGONALS, AT ABUTMENT	6e4	60	5'-11	534	60	5'-11	534	60	5'-11	534	60	5'-11	534
PIER CAP ENDS	5h1	40	7'-1	296	40	7'-1	296	50	7'-1	370	60	7'-1	444
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	23'-10	510	8	24'-8	527	8	27'-6	588	8	33'-8	720
PIER CAP, TOP LONGITUDINAL	8h4	4	26'-10	287	4	27'-9	297	4	30'-11	331	4	37'-11	405
TOP OF SLAB, TRANSVERSE, AT RAIL	5j1	152	8'-6	1348	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	40	4'-5	185
WING, HORIZONTAL BACK FACE	5n1	24	6'-8	167	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	24	6'-9	169
PAVING BLOCK LIFTING HOOPS	5z1	8	2'-10	24	8	2'-10	24	8	2'-10	24	8	2'-10	24
SUB TOTAL - LBS.				30,408			30,662			31,052			31,651
OPEN RAIL - SEE LIST ON RAIL SHEET J24-41-06				5799			5799			5799			5799
TOTAL - LBS. WITH MONOLITHIC PIER CAP AND OPEN RAIL				36,207			36,461			36,851			37,450
TOTAL - LBS. WITH NON-MONOLITHIC PIER CAP AND OPEN RAIL				34,960			35,187			35,408			35,727
SAME AS ABOVE EXCEPT ALL "h" BARS DELETED													

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°	
OPEN RAIL	STRUCTURAL CONCRETE (BRIDGE)	C.Y.	124.7	125.4	127.8	132.7	120.5	121.0	123.0	126.9
OPEN RAIL	REINFORCING STEEL	LBS.	36,207	36,461	36,851	37,450	34,960	35,187	35,408	35,727
OPEN RAIL		LIN. FT.	182.0	182.2	182.9	184.5	182.0	182.2	182.9	184.5

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

08-2022 LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	
		STANDARD DESIGN - 24'-0 ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006
		SUPERSTRUCTURE DETAILS 80'-0 BRIDGE
		J24-05-06