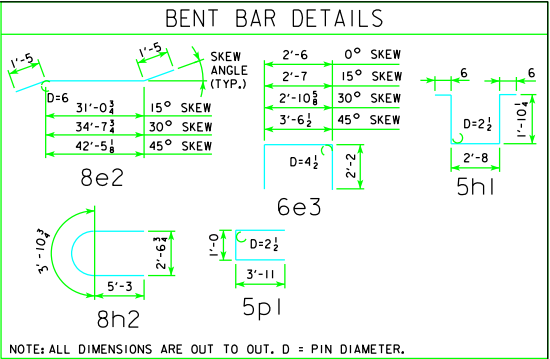


BILL OF REINFORCING STEEL FOR SUPERSTRUCTURE - 100' BRIDGE																			
LOCATION	SKEW	SHAPE	0°				15°				30°				45°				
			BAR	NO.	LENGTH	WEIGHT	BAR	NO.	LENGTH	WEIGHT	BAR	NO.	LENGTH	WEIGHT	BAR	NO.	LENGTH	WEIGHT	
SLAB LONGITUDINAL BOTTOM			8a1	39	22'-4	2326	39	22'-4	2326	39	22'-4	2326	39	22'-4	2326	39	22'-4	2326	
SLAB LONGITUDINAL BOTTOM			8a2	39	31'-5	3272	39	31'-5	3272	39	31'-5	3272	39	31'-5	3272	39	31'-5	3272	
SLAB LONGITUDINAL BOTTOM			8a3	39	29'-6	3072	39	29'-6	3072	39	29'-6	3072	39	29'-6	3072	39	29'-6	3072	
SLAB LONGITUDINAL BOTTOM			9a4	40	28'-7	3888	40	28'-7	3888	40	28'-7	3888	40	28'-7	3888	40	28'-7	3888	
SLAB LONGITUDINAL BOTTOM			9a5	20	29'-6	2006	20	29'-6	2006	20	29'-6	2006	20	29'-6	2006	20	29'-6	2006	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a6	8	36'-10	787	8	36'-10	787	8	36'-10	787	8	36'-10	787	8	36'-10	787	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a7	4	34'-8	371	4	34'-8	371	4	34'-8	371	4	34'-8	371	4	34'-8	371	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a8	8	25'-1	536	8	25'-1	536	8	25'-1	536	8	25'-1	536	8	25'-1	536	
SLAB LONGITUDINAL BOTTOM, AT RAIL			8a9	4	20'-6	219	4	20'-6	219	4	20'-6	219	4	20'-6	219	4	20'-6	219	
SLAB LONGITUDINAL TOP			6b1	39	5'-7	328	39	5'-7	328	39	5'-7	328	39	5'-7	328	39	5'-7	328	
SLAB LONGITUDINAL TOP			10b2	39	24'-9	4154	39	24'-9	4154	39	24'-9	4154	39	24'-9	4154	39	24'-9	4154	
SLAB LONGITUDINAL TOP			10b3	39	25'-6	4280	39	25'-6	4280	39	25'-6	4280	39	25'-6	4280	39	25'-6	4280	
SLAB LONGITUDINAL TOP			7b4	39	15'-6	1236	39	15'-6	1236	39	15'-6	1236	39	15'-6	1236	39	15'-6	1236	
SLAB LONGITUDINAL TOP			6b5	40	12'-4	741	40	12'-4	741	40	12'-4	741	40	12'-4	741	40	12'-4	741	
SLAB LONGITUDINAL TOP			9b6	40	21'-3	2890	40	21'-3	2890	40	21'-3	2890	40	21'-3	2890	40	21'-3	2890	
SLAB LONGITUDINAL TOP			6b7	20	27'-6	827	20	27'-6	827	20	27'-6	827	20	27'-6	827	20	27'-6	827	
SLAB LONGITUDINAL TOP, AT RAIL			6b8	8	24'-6	295	8	24'-6	295	8	24'-6	295	8	24'-6	295	8	24'-6	295	
SLAB LONGITUDINAL TOP, AT RAIL			9b9	8	22'-0	599	8	22'-0	599	8	22'-0	599	8	22'-0	599	8	22'-0	599	
SLAB LONGITUDINAL TOP, AT RAIL			6b10	4	21'-4	129	4	21'-4	129	4	21'-4	129	4	21'-4	129	4	21'-4	129	
SLAB LONGITUDINAL TOP, AT RAIL			6b11	8	26'-9	322	8	26'-9	322	8	26'-9	322	8	26'-9	322	8	26'-9	322	
SLAB LONGITUDINAL TOP, AT RAIL			10b12	8	17'-0	586	8	17'-0	586	8	17'-0	586	8	17'-0	586	8	17'-0	586	
SLAB TRANSVERSE, BOTTOM			6c1	97	32'-10	4784	97	34'-0	4954	86	32'-10	4242	74	32'-10	3650				
SLAB TRANSVERSE ENDS, BOTTOM			6c2	-	-	-	-	-	-	28	VARIES	800	52	VARIES	1426				
SLAB TRANSVERSE, TOP			5d1	97	32'-10	3322	97	34'-0	3440	86	32'-10	2946	74	32'-10	2535				
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	56	7'-5	434	56	7'-5	434	56	7'-5	434	70	7'-5	542				
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	192	8'-6	1703	192	8'-6	1703	192	8'-6	1703	190	8'-6	1685				
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.						47,493					47,909					48,443			49,460
BARRIER RAIL - SEE LIST ON RAIL SHEET J30-41-06						6153					6153					6153			6153
OPEN RAIL - SEE LIST ON RAIL SHEET J30-44-06						6371					6371					6371			6371
TOTAL - LBS.						53,646					54,062					54,596			55,613
						53,864					54,280					54,814			55,831
TOTAL - LBS.						52,069					52,449					52,867			53,519
SAME AS ABOVE EXCEPT ALL "H" BARS DELETED						52,287					52,667					53,085			53,737

ESTIMATED QUANTITIES FOR SUPERSTRUCTURE - 100' BRIDGE													
ITEM	SKEW	WITH MONOLITHIC PIER CAP				WITH NON-MONOLITHIC PIER CAP				C.Y.	LBS.	LIN. FT.	C.Y.
		0°	15°	30°	45°	0°	15°	30°	45°				
WITH BARRIER RAIL	*STRUCTURAL CONCRETE (BRIDGE)	212.3	213.3	216.8	224.5	207.3	208.2	211.2	217.6				
REINFORCING STEEL		53,646	54,062	54,596	55,613	52,069	52,449	52,867	53,519				
CONCRETE BARRIER OR OPEN RAIL		222.0	222.2	222.9	224.5	222.0	222.2	222.9	224.5				
WITH OPEN RAIL	*STRUCTURAL CONCRETE (BRIDGE)	212.1	213.1	216.6	224.3	207.1	208.0	211.0	217.5				
REINFORCING STEEL		53,864	54,280	54,814	55,831	52,287	52,667	53,085	53,737				

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



12-07 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		SUPERSTRUCTURE DETAILS 100'-0 BRIDGE	
		NON-EPOXY COATED REINFORCING	
		J30-09B-06	