

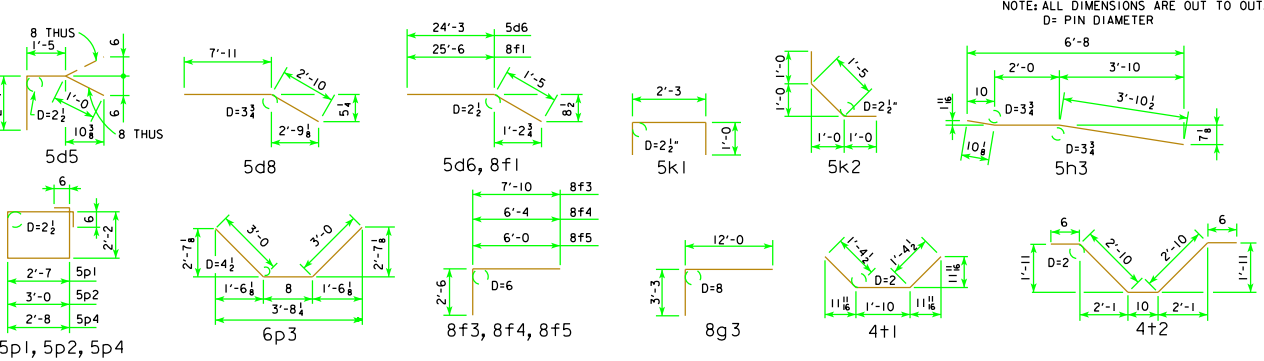
EPOXY COATED REINFORCING BAR LIST

BRIDGE LENGTH

BAR	LOCATION	SHAPE	160'-0		180'-0		200'-0		220'-0		240'-0		260'-0		280'-0		300'-0		320'-0		340'-0												
			NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT							
6a1	SLAB TRANSVERSE, TOP & BOTTOM	[Symbol]	337	42'-10	21,682	385	42'-10	24,770	433	42'-10	27,858	481	42'-10	30,946	529	42'-10	34,034	577	42'-10	37,122	625	42'-10	40,210	673	42'-10	43,298	721	42'-10	46,387	769	42'-10	49,475	
6a2	SLAB TRANSVERSE, TOP-ENDS	[Symbol]	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	54	VARIES	1717	
6a3	SLAB TRANSVERSE, BOTTOM-ENDS	[Symbol]	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	54	VARIES	1775	
6b1	SLAB LONGITUDINAL TOP & BOTTOM	[Symbol]	485	34'-6	25,133	485	38'-6	28,047	582	35'-10	31,325	582	39'-2	34,239	679	36'-9	37,480	679	39'-8	40,455	776	37'-6	43,709	776	40'-0	46,623	873	38'-0	49,828	970	36'-6	53,179	
5d2	ABUTMENT DIAPHRAGM, LONGITUDINAL	[Symbol]	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	16	24'-2	404	
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL - END	[Symbol]	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	
5d6	ABUTMENT DIAPHRAGM, LONGITUDINAL - B.F.	[Symbol]	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	16	25'-8	429	
5d7	PAVING NOTCH, LONGITUDINAL	[Symbol]	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	8	25'-7	214	
5d8	ABUT. DIAPHRAGM WING EXT. LONGIT.	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	10'-9	269
5d9	ABUT. DIAPHRAGM WING EXT. LONGIT.	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	10'-8	267
8f1	ABUTMENT FOOTING LONGITUDINAL - B.F.	[Symbol]	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	36	26'-11	2588	
8f3	ABUTMENT EXTENSION LONGITUDINAL	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	10'-4	442	
8f4	ABUTMENT EXTENSION LONGITUDINAL	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8'-10	189	
8f5	ABUTMENT EXTENSION LONGITUDINAL	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8'-6	182	
8g1	ABUTMENT VERTICAL - B.F.	[Symbol]	136	6'-5	2331	136	6'-5	2331	136	6'-8	2421	136	6'-11	2512	136	7'-1	2573	136	7'-2	2603	136	7'-2	2603	136	7'-2	2603	136	7'-2	2603	136	7'-6	2724	
8g3	ABUTMENT DIAPHRAGM VERTICAL - B.F.	[Symbol]	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	
6g4	ABUTMENT DIAPHRAGM WING EXT. VERT.	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	6'-0	361	
5h1	WING HORIZONTAL BACK FACE	[Symbol]	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	28	6'-8	195	
5h2	WING HORIZONTAL BACK FACE	[Symbol]	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	56	4'-11	288	
5h3	WING HORIZONTAL TRAFFIC FACE	[Symbol]	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	28	6'-9	198	
5h4	WING HORIZONTAL TRAFFIC FACE	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	4'-11	62	
5j1	TOP OF SLAB, TRANSVERSE, AT RAIL	[Symbol]	384	6'-3	2504	432	6'-3	2817	480	6'-3	3129	528	6'-3	3442	576	6'-3	3755	624	6'-3	4068	672	6'-3	4381	720	6'-3	4694	768	6'-3	5007	816	6'-3	5320	
5k1	PAVING NOTCH, TRANSVERSE	[Symbol]	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	
5k2	PAVING NOTCH, TRANSVERSE	[Symbol]	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	64	3'-5	229	
5p1	ABUTMENT HOOPS	[Symbol]	168	10'-6	1840	168	10'-6	1840	160	10'-6	1753	160	10'-6	1753	160	10'-6	1753	144	10'-6	1578	144	10'-6	1578	144	10'-6	1578	144	10'-6	1578	160	10'-6	1753	
5p2	ABUTMENT HOOPS AT ENDS	[Symbol]	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	8	11'-4	95	
6p3	ABUTMENT BOTTOM AT PILES	[Symbol]	32	6'-8	321	32	6'-8	321	36	6'-8	361	36	6'-8	361	40	6'-8	401	40	6'-8	401	40	6'-8	401	40	6'-8	401	40	6'-8	401	44	6'-8	441	
5p4	ABUTMENT EXTENSION HOOPS	[Symbol]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	10'-8	267	
5s1	WING, VERTICAL	[Symbol]	64	5'-7	373	64	5'-7	373	64	5'-7	373	64	6'-2	412	64	6'-2	412	64	6'-2	412	64	6'-2	412	64	6'-2	412	64	6'-2	412	64	6'-11	462	
4t1	UNDER BEAMS AT ABUTMENTS	[Symbol]	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	
4t2	ABUTMENT DIAPHRAGM, LONGITUDINAL F.F.	[Symbol]	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	
*	PILE SPIRAL - NO. 2 BAR	[Symbol]	16	38'-6	103	16	38'-6	103	18	38'-6	116	18	38'-6	116	20	38'-6	129	20	38'-6	129	20	38'-6	129	20	38'-6	129	20	38'-6	129	26	38'-6	168	
*	SPIRAL SPACER L ₂ x L ₂ x L ₂ x 0.70	[Symbol]	48	1'-10	62	48	1'-10	62	54	1'-10	70	54	1'-10	70	54	1'-10	70	60	1'-10	77	60	1'-10	77	60	1'-10	77	60	1'-10	77	78	1'-10	101	
	SEE BARRIER RAIL SHEET RS40-090-10	[Symbol]			9115			10,023			10,897			11,810			12,691			13,602			14,474			15,390			16,283			17,671	
	REINFORCING STEEL EPOXY COATED (LBS.)		TOTAL (LBS.)		74,707	TOTAL (LBS.)		81,930	TOTAL (LBS.)		89,546	TOTAL (LBS.)		96,904	TOTAL (LBS.)		104,427	TOTAL (LBS.)		111,660	TOTAL (LBS.)		119,217	TOTAL (LBS.)		126,448	TOTAL (LBS.)		133,948	TOTAL (LBS.)		144,462	

* EPOXY COATING NOT REQUIRED

BENT BAR DETAILS



LATEST REVISION DATE	<i>Thomas L. McDaniel</i> APPROVED BY BRIDGE ENGINEER		Iowa Department of Transportation <i>Highway Division</i>	
			STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES JUNE, 2010	
DECK AND ABUTMENT REINFORCEMENT 30° SKEW			RS40-039-10	