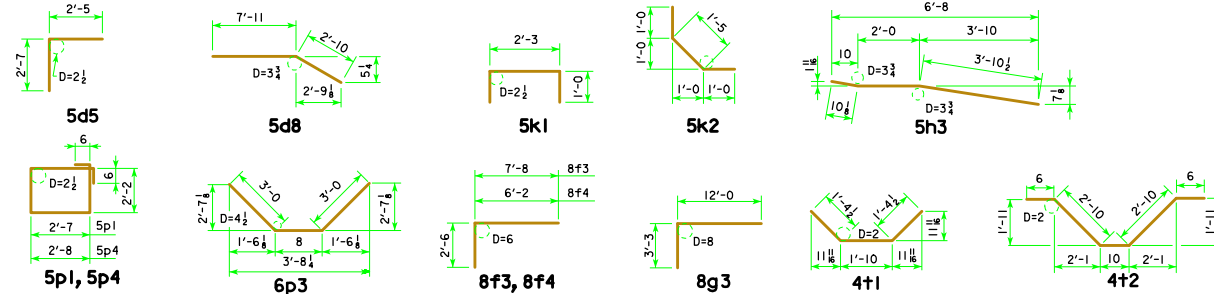


EPOXY COATED REINFORCING BAR LIST			BRIDGE LENGTH																													
ONE SUPERSTRUCTURE AND TWO ABUTMENTS			160'-0		180'-0		200'-0		220'-0		240'-0		260'-0		280'-0		300'-0		320'-0		340'-0											
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT						
6a1	SLAB TRANSVERSE, TOP & BOTTOM		391	42'-10	25,156	439	42'-10	28,244	487	42'-10	31,332	535	42'-10	34,420	583	42'-10	37,508	631	42'-10	40,596	679	42'-10	43,684	727	42'-10	46,773	775	42'-10	49,861	823	42'-10	52,949
6b1	SLAB LONGITUDINAL TOP & BOTTOM		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		16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358	16	21'-5	358
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL - END		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.		16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376	16	22'-6	376
5d7	PAVING NOTCH, LONGITUDINAL		8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186	8	22'-3	186
5d8	ABUT. DIAPHRAGM WING EXT. LONGIT.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5d9	ABUT. DIAPHRAGM WING EXT. LONGIT.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8f1	ABUTMENT FOOTING LONGITUDINAL - B.F.		36	23'-10	2291	36	23'-10	2291	36	23'-10	2291	36	23'-10	2291	36	23'-10	2291	36	23'-10	2291	36	26'-11	2291	36	23'-10	2291	36	23'-10	2291	36	23'-10	2291
8f3	ABUTMENT EXTENSION LONGITUDINAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8f4	ABUTMENT EXTENSION LONGITUDINAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8g1	ABUTMENT VERTICAL - B.F.		136	6'-5	2331	136	6'-5	2331	136	6'-8	2421	136	6'-11	2512	136	6'-11	2512	136	7'-1	2573	136	7'-2	2603	136	7'-2	2603	136	7'-2	2603	136	7'-6	2724
8g3	ABUTMENT DIAPHRAGM VERTICAL - B.F.		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.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5h1	WING HORIZONTAL BACK FACE		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		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		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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5j1	TOP OF SLAB, TRANSVERSE, AT RAIL		390	6'-3	2543	438	6'-3	2856	486	6'-3	3169	534	6'-3	3482	582	6'-3	3794	630	6'-3	4107	678	6'-3	4420	726	6'-3	4733	774	6'-3	5046	822	6'-3	5359
5k1	PAVING NOTCH, TRANSVERSE		66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293	66	4'-3	293
5k2	PAVING NOTCH, TRANSVERSE		66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236	66	3'-5	236
5p1	ABUTMENT HOOPS		148	10'-6	1621	148	10'-6	1621	148	10'-6	1621	136	10'-6	1490	136	10'-6	1490	136	10'-6	1490	152	10'-6	1665	152	10'-6	1665	152	10'-6	1665	152	10'-6	1665
6p3	ABUTMENT BOTTOM AT PILES		32	6'-8	321	32	6'-8	321	32	6'-8	321	36	6'-8	361	36	6'-8	361	36	6'-8	361	40	6'-8	401	40	6'-8	401	40	6'-8	401	40	6'-8	401
5p4	ABUTMENT EXTENSION HOOPS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5s1	WING, VERTICAL		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		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	UNDER DIAPHRAGM, LONGITUDINAL F.F.		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		16	38'-6	103	16	38'-6	103	16	38'-6	103	18	38'-6	116	18	38'-6	116	18	38'-6	116	20	38'-6	129	20	38'-6	129	20	38'-6	129	24	38'-6	155
*	SPIRAL SPACER L <sub>3</sub> x L <sub>4</sub> x L <sub>5</sub> x 0.70		48	1'-10	62	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	72	1'-10	93
** REINFORCING STEEL EPOXY COATED (LBS.)			64,891		71,206		77,975		84,350		90,991		97,428		104,348		110,664		117,270		126,153											

\* EPOXY COATING NOT REQUIRED  
 \*\* BARRIER RAIL REINFORCING NOT INCLUDED

### BENT BAR DETAILS

NOTE: ALL DIMENSIONS ARE OUT TO OUT.  
 D= PIN DIAMETER



NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

LATEST REVISION DATE	<i>Thomas E. Mc Donnell</i> APPROVED BY BRIDGE ENGINEER	<b>IOWADOT</b> Highway Division
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES <b>ROLLED STEEL BEAM BRIDGES</b> OCTOBER, 2014
		<b>DECK AND ABUTMENT REINFORCEMENT 0° SKEW</b>
		<b>RS40-036-14</b>