REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

EPOXY COATED REINFORCING

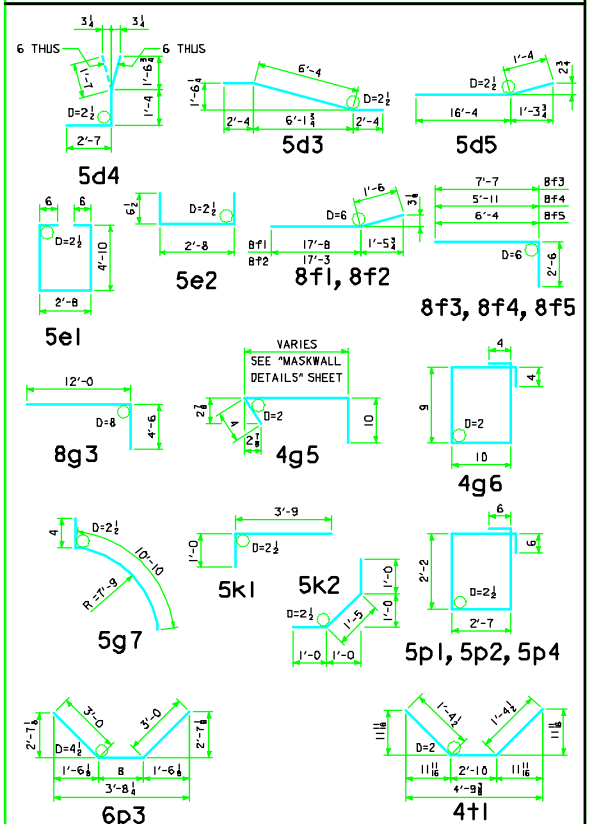
BAR	LOCATION	SHAPE	℄-℄ ABUT. BRG	222'-0			232'-0			242'-0			252'-0			262'-0		
			BEAM SERIES	BTD110			BTD115			BTD120			BTD125			BTD130		
				NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
6a1	SLAB TRANSV. TOP & BOTT.			555	32'-10	27,370	579	32'-10	28,554	605	32'-10	29,836	629	32'-10	31,020	655	32'-10	32,302
6a2	SLAB TRANSV. TOP ENDS			14	VARIES	337	14	VARIES	367	14	VARIES	350	14	VARIES	379	14	VARIES	362
6a3	SLAB TRANSV. BOTT. ENDS			12	VARIES	288	12	VARIES	315	12	VARIES	300	12	VARIES	325	12	VARIES	310
5b1	SLAB LONGITUDINAL, TOP & BOTT.			345	40'-0	14,393	414	40'-0	17,272	414	40'-0	17,272	414	40'-0	17,272	414	40'-0	17,272
5b2	SLAB LONGITUDINAL, TOP & BOTT., END			69	34'-10	2,507	69	6'-10	492	69	16'-10	1,211	69	26'-10	1,931	69	36'-10	2,651
7b3	SLAB LONGITUDINAL, TOP & BOTT. @ PIER			75	27'-6	4,216	75	28'-8	4,395	75	30'-0	4,599	-----	-----	-----	-----	-----	-----
8b3	SLAB LONGITUDINAL, TOP & BOTT. @ PIER			-----	-----	-----	-----	-----	-----	-----	-----	-----	75	31'-2	6,241	75	32'-6	6,508
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL-B.F.			16	17'-8	295	16	17'-8	295	16	17'-8	295	16	17'-8	295	16	17'-8	295
5d6	PAVING NOTCH, LONGITUDINAL			8	17'-4	145	8	17'-4	145	8	17'-4	145	8	17'-4	145	8	17'-4	145
8f1	ABUTMENT FOOTING, LONGITUDINAL-B.F.			16	19'-2	819	16	19'-2	819	16	19'-2	819	16	19'-2	819	16	19'-2	819
8g1	ABUTMENT, VERTICAL-B.F.			46	8'-7	1,054	46	8'-7	1,054	46	8'-7	1,054	46	8'-7	1,054	46	8'-7	1,054
8g3	ABUTMENT DIAPHRAGM, VERTICAL-B.F.			38	16'-6	1,674	38	16'-6	1,674	38	16'-6	1,674	38	16'-6	1,674	38	16'-6	1,674
5j1	TOP OF SLAB AT RAIL			566	7'-0	4,132	590	7'-0	4,308	616	7'-0	4,497	640	7'-0	4,673	666	7'-0	4,862
5k1	PAVING NOTCH, TRANSVERSE-TOP			42	4'-9	208	42	4'-9	208	42	4'-9	208	42	4'-9	208	42	4'-9	208
5k2	PAVING NOTCH, TRANSVERSE-BOT.			42	3'-5	150	42	3'-5	150	42	3'-5	150	42	3'-5	150	42	3'-5	150
5p1	ABUTMENT HOOPS			92	10'-6	1,008	92	10'-6	1,008	104	10'-6	1,139	104	10'-6	1,139	104	10'-6	1,139
6p3	ABUTMENT, BOTTOM AT PILES			32	6'-8	320	32	6'-8	320	36	6'-8	360	36	6'-8	360	36	6'-8	360
5p4	ABUTMENT HOOPS			8	10'-6	88	8	10'-6	88	8	10'-6	88	8	10'-6	88	8	10'-6	88
	AESTHETIC BARRIER RAIL - SEE BT30-BR2-04					14,029			14,538			15,047			15,557			16,123
	REINFORCING STEEL - EPOXY COATED (LB)					73,033			76,002			79,044			83,330			86,322

REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

NON-COATED REINFORCING

BAR	LOCATION	SHAPE	℄-℄ ABUT. BRG	222'-0			232'-0			242'-0			252'-0			262'-0		
			BEAM SERIES	BTD110			BTD115			BTD120			BTD125			BTD130		
				NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
5d1	PIER & ABUT. DIAPHRAGM, LONGITUDINAL			36	8'-1	304	36	8'-1	304	36	8'-1	304	36	8'-1	304	36	8'-1	304
5d2	PIER & ABUT. DIAPHRAGM, LONGITUDINAL			12	6'-1	76	12	6'-1	76	12	6'-1	76	12	6'-1	76	12	6'-1	76
5d3	PIER DIAPHRAGM, LONGITUDINAL			3	11'-0	34	3	11'-0	34	3	11'-0	34	3	11'-0	34	3	11'-0	34
5d4	ABUTMENT DIAPHRAGM, ENDS			12	5'-6	69	12	5'-6	69	12	5'-6	69	12	5'-6	69	12	5'-6	69
5d7	ABUTMENT DIAPHR. WING EXTEN. LONGIT.			48	10'-5	522	48	10'-5	522	48	10'-5	522	48	10'-5	522	48	10'-5	522
5d8	MASKWALL, HORIZONTAL DOWEL			32	VARIES	237	32	VARIES	237	32	VARIES	237	32	VARIES	237	32	VARIES	237
5d9	MASKWALL, HORIZONTAL DOWEL			32	VARIES	88	32	VARIES	88	32	VARIES	88	32	VARIES	88	32	VARIES	88
5e1	PIER DIAPHRAGM HOOPS			15	13'-4	209	15	13'-4	209	15	13'-4	209	15	13'-4	209	15	13'-4	209
5e2	PIER DIAPHRAGM TIES			15	3'-9	59	15	3'-9	59	15	3'-9	59	15	3'-9	59	15	3'-9	59
8f2	ABUTMENT FOOTING-LONGITUDINAL-F.F.			20	18'-9	1,001	20	18'-9	1,001	20	18'-9	1,001	20	18'-9	1,001	20	18'-9	1,001
8f3	ABUTMENT EXTENSION, LONGITUDINAL			16	10'-1	431	16	10'-1	431	16	10'-1	431	16	10'-1	431	16	10'-1	431
8f4	ABUTMENT EXTENSION, LONGITUDINAL			8	8'-5	180	8	8'-5	180	8	8'-5	180	8	8'-5	180	8	8'-5	180
8f5	ABUTMENT EXTENSION, LONGITUDINAL			8	8'-10	189	8	8'-10	189	8	8'-10	189	8	8'-10	189	8	8'-10	189
8g2	ABUTMENT, VERTICAL-F.F.			42	7'-6	841	42	7'-6	841	42	7'-6	841	42	7'-6	841	42	7'-6	841
8g4	ABUTMENT DIAPHR., WING EXTEN.-VERT.			40	6'-11	416	40	6'-11	416	40	6'-11	416	40	6'-11	416	40	6'-11	416
4g5	MASKWALL, VERTICAL			48	VARIES	155	48	VARIES	155	48	VARIES	155	48	VARIES	155	48	VARIES	155
4g6	MASKWALL, VERTICAL-HOOPS			4	3'-10	10	4	3'-10	10	4	3'-10	10	4	3'-10	10	4	3'-10	10
5g7	MASKWALL, VERTICAL-RADIAL			8	11'-2	93	8	11'-2	93	8	11'-2	93	8	11'-2	93	8	11'-2	93
5h1	WING, HORIZONTAL			56	6'-8	389	56	6'-8	389	56	6'-8	389	56	6'-8	389	56	6'-8	389
5h2	ABUTMENT TO WING ANCHOR			8	4'-0	33	8	4'-0	33	8	4'-0	33	8	4'-0	33	8	4'-0	33
5p2	ABUTMENT EXTENSION HOOPS			24	10'-6	263	24	10'-6	263	24	10'-6	263	24	10'-6	263	24	10'-6	263
5s1	WING, VERTICAL			56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263
4t1	UNDER BEAMS AT ABUTMENTS			8	5'-7	30	8	5'-7	30	8	5'-7	30	8	5'-7	30	8	5'-7	30
	#2 PILE SPIRAL			20	38'-6	129	20	38'-6	129	22	38'-6	141	22	38'-6	141	22	38'-6	141
	SPIRAL SPACERS, L $\frac{1}{8}$ x $\frac{1}{8}$ x $\frac{1}{8}$ x 0.70			40	1'-10	51	40	1'-10	51	44	1'-10	56	44	1'-10	56	44	1'-10	56
	REINFORCING STEEL (LB)					6,072			6,072			6,089			6,089			6,089

BENT BAR DETAILS



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

NOTES:

SEE BT30-SA3-04 FOR CONCRETE PLACEMENT AND QUANTITY TABLE.

SEE BT30-TSI-04 FOR SUPERSTRUCTURE NOTES.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 30' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

ALL SPANS — JULY, 2004

SUPERSTRUCTURE & ABUTMENTS BAR LISTS
10° SKEW

BT30-SA7-04