REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

EPOXY COATED REINFORCING

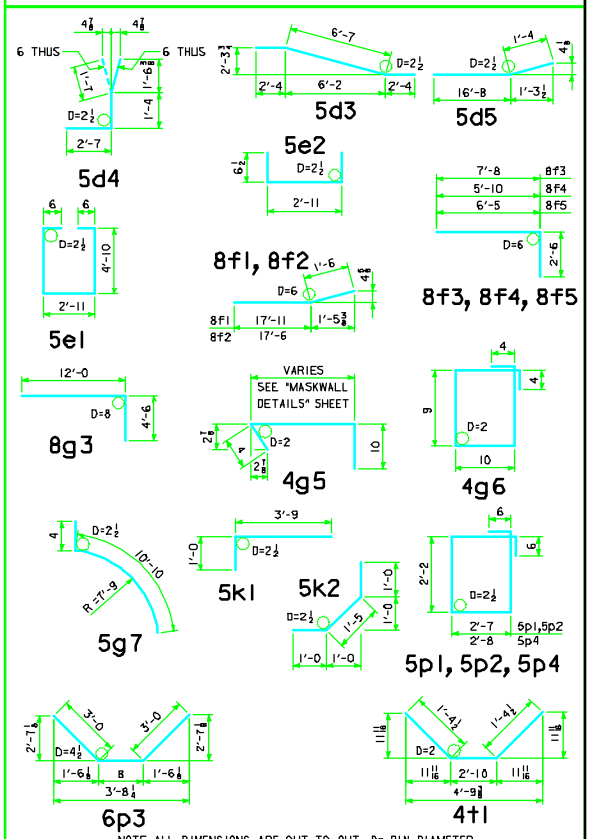
BAR	LOCATION	SHAPE	222'-0 BTD110 NO.	LENGTH	WEIGHT	232'-0 BTD115 NO.	LENGTH	WEIGHT	242'-0 BTD120 NO.	LENGTH	WEIGHT	252'-0 BTD125 NO.	LENGTH	WEIGHT	262'-0 BTD130 NO.	LENGTH	WEIGHT
6a1	SLAB TRANSV. TOP & BOTT.		547	32'-10	26976	573	32'-10	28,258	597	32'-10	29,441	623	32'-10	30,724	649	32'-10	32,006
6a2	SLAB TRANSV. TOP ENDS		20	VARIES	488	20	VARIES	472	20	VARIES	499	20	VARIES	484	20	VARIES	467
6a3	SLAB TRANSV. BOTT. ENDS		20	VARIES	532	20	VARIES	517	20	VARIES	544	20	VARIES	527	20	VARIES	512
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	18'-0	300	16	18'-0	300	16	18'-0	300	16	18'-0	300	16	18'-0	300
5d6	PAVING NOTCH, LONGITUDINAL		8	17'-8	147	8	17'-8	147	8	17'-8	147	8	17'-8	147	8	17'-8	147
8f1	ABUTMENT FOOTING, LONGITUDINAL-B.F.		16	19'-5	829	16	19'-5	829	16	19'-5	829	16	19'-5	829	16	19'-5	829
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		564	7'-0	4,118	590	7'-0	4,308	614	7'-0	4,483	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'-8	89	8	10'-8	89	8	10'-8	89	8	10'-8	89	8	10'-8	89
	AESTHETIC BARRIER RAIL - SEE BT30-BR2-D4				14,029			14,538			15,047			15,557			16,123
	REINFORCING STEEL - EPOXY COATED (LB)				73,038			76,031			79,046			83,359			86,351

REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

NON-COATED REINFORCING

BAR	LOCATION	SHAPE	222'-0 BTD110 NO.	LENGTH	WEIGHT	232'-0 BTD115 NO.	LENGTH	WEIGHT	242'-0 BTD120 NO.	LENGTH	WEIGHT	252'-0 BTD125 NO.	LENGTH	WEIGHT	262'-0 BTD130 NO.	LENGTH	WEIGHT
5d1	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		36	8'-3	310	36	8'-3	310	36	8'-3	310	36	8'-3	310	36	8'-3	310
5d2	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		12	6'-3	78	12	6'-3	78	12	6'-3	78	12	6'-3	78	12	6'-3	78
5d3	PIER DIAPHRAGM, LONGITUDINAL		3	11'-3	35	3	11'-3	35	3	11'-3	35	3	11'-3	35	3	11'-3	35
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'-7	213	15	13'-7	213	15	13'-7	213	15	13'-7	213	15	13'-7	213
5e2	PIER DIAPHRAGM TIES		15	4'-0	63	15	4'-0	63	15	4'-0	63	15	4'-0	63	15	4'-0	63
8f2	ABUTMENT FOOTING-LONGITUDINAL-F.F.		20	19'-0	1,015	20	19'-0	1,015	20	19'-0	1,015	20	19'-0	1,015	20	19'-0	1,015
8f3	ABUTMENT EXTENSION, LONGITUDINAL		16	10'-2	434	16	10'-2	434	16	10'-2	434	16	10'-2	434	16	10'-2	434
8f4	ABUTMENT EXTENSION, LONGITUDINAL		8	8'-4	178	8	8'-4	178	8	8'-4	178	8	8'-4	178	8	8'-4	178
8f5	ABUTMENT EXTENSION, LONGITUDINAL		8	8'-11	190	8	8'-11	190	8	8'-11	190	8	8'-11	190	8	8'-11	190
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
6g4	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-HOOP		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 $\frac{7}{8} \times \frac{7}{8} \times \frac{1}{8} \times 0.70$		40	1'-10	51	40	1'-10	51	44	1'-10	56	44	1'-10	56	44	1'-10	56
	REINFORCING STEEL (LB)				6,105			6,105			6,122			6,122			6,122

BENT BAR DETAILS



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

NOTES:

SEE BT30-SA4-04 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
15° SKEW

BT30-SA8-04