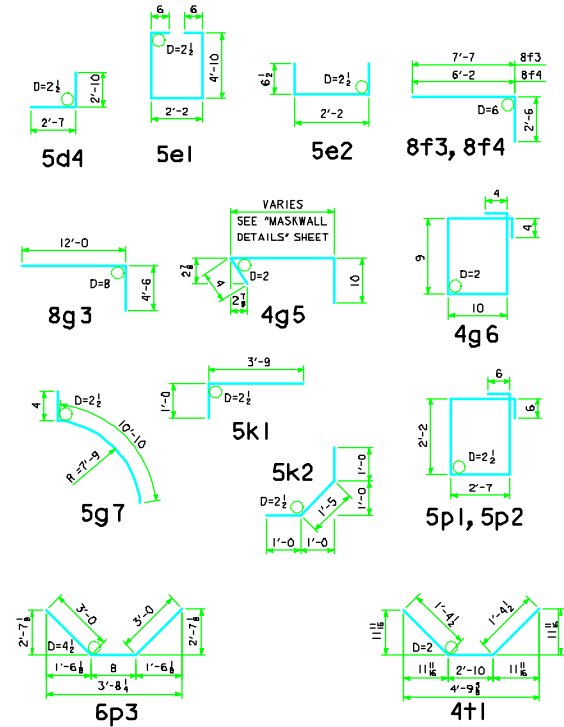


REINFORCING BAR LIST			222'-0		232'-0		242'-0		252'-0		262'-0			
ONE SUPERSTRUCTURE & TWO ABUTMENTS			BTD110		BTD115		BTD120		BTD125		BTD130			
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
6a1	SLAB TRANSV. TOP & BOT.		567	32'-10	27,962	593	32'-10	29,244	617	32'-10	30,428	643	32'-10	31,710
5b1	SLAB LONGITUDINAL, TOP & BOT.		345	40'-0	14,393	414	40'-0	17,272	414	40'-0	17,272	414	40'-0	17,272
5b2	SLAB LONGITUDINAL, TOP & BOT., END		69	34'-9	2,501	69	6'-9	486	69	16'-9	1,205	69	26'-9	1,925
7b3	SLAB LONGITUDINAL, TOP & BOT. @ PIER		75	27'-6	4,216	75	28'-8	4,395	75	30'-0	4,599	75	31'-2	4,803
8b3	SLAB LONGITUDINAL, TOP & BOT. @ PIER		75	27'-6	4,216	75	28'-8	4,395	75	30'-0	4,599	75	31'-2	4,803
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL-B.F.		16	17'-5	291	16	17'-5	291	16	17'-5	291	16	17'-5	291
5d6	PAVING NOTCH, LONGITUDINAL		8	17'-1	143	8	17'-1	143	8	17'-1	143	8	17'-1	143
8f1	ABUTMENT FOOTING, LONGITUDINAL-B.F.		16	18'-11	808	16	18'-11	808	16	18'-11	808	16	18'-11	808
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
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
5j1	TOP OF SLAB AT RAIL		566	7'-0	4,132	592	7'-0	4,322	616	7'-0	4,497	642	7'-0	4,687
5k1	PAVING NOTCH, TRANSVERSE-TOP		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
5p1	ABUTMENT HOOPS		100	10'-6	1,095	100	10'-6	1,095	112	10'-6	1,227	112	10'-6	1,227
6p3	ABUTMENT, BOTTOM AT PILES		32	6'-8	320	32	6'-8	320	36	6'-8	360	36	6'-8	360
AESTHETIC BARRIER RAIL - SEE BT30-BR2-04			14,029		14,538		15,047		15,557		16,123			
REINFORCING STEEL - EPOXY COATED (LB)			12,976		16,000		18,963		23,307		28,332			

REINFORCING BAR LIST			222'-0		232'-0		242'-0		252'-0		262'-0			
ONE SUPERSTRUCTURE & TWO ABUTMENTS			BTD110		BTD115		BTD120		BTD125		BTD130			
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
5d1	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		36	8'-0	300	36	8'-0	300	36	8'-0	300	36	8'-0	300
5d2	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		12	6'-0	75	12	6'-0	75	12	6'-0	75	12	6'-0	75
5d3	PIER DIAPHRAGM, LONGITUDINAL		1	28'-3	29	1	28'-3	29	1	28'-3	29	1	28'-3	29
5d4	ABUTMENT DIAPHRAGM, ENDS		12	5'-5	68	12	5'-5	68	12	5'-5	68	12	5'-5	68
5d7	ABUTMENT DIAPHR. WING EXTEN. LONGIT.		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
5d9	MASKWALL, HORIZONTAL DOWEL		32	VARIES	88	32	VARIES	88	32	VARIES	88	32	VARIES	88
5e1	PIER DIAPHRAGM HOOPS		15	12'-10	201	15	12'-10	201	15	12'-10	201	15	12'-10	201
5e2	PIER DIAPHRAGM TIES		15	3'-3	51	15	3'-3	51	15	3'-3	51	15	3'-3	51
8f2	ABUTMENT FOOTING-LONGITUDINAL-F.F.		20	18'-6	988	20	18'-6	988	20	18'-6	988	20	18'-6	988
8f3	ABUTMENT EXTENSION, LONGITUDINAL		16	10'-1	431	16	10'-1	431	16	10'-1	431	16	10'-1	431
8f4	ABUTMENT EXTENSION, LONGITUDINAL		16	8'-8	370	16	8'-8	370	16	8'-8	370	16	8'-8	370
8g2	ABUTMENT, VERTICAL-F.F.		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
4g5	MASKWALL, VERTICAL		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
5g7	MASKWALL, VERTICAL-RADIAL		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
5h2	ABUTMENT TO WING ANCHOR		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
5a1	WING, VERTICAL		56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263
4f1	UNDER BEAMS AT ABUTMENTS		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
	SPIRAL SPACERS, 1 1/8 x 1/8 x 0.70		40	1'-10	51	40	1'-10	51	44	1'-10	56	44	1'-10	56
REINFORCING STEEL (LB)			6,033		6,033		6,050		6,050		6,050		6,050	

BENT BAR DETAILS



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

NOTES:

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

SEE BT30-TSI-04 FOR SUPERSTRUCTURE NOTES.



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 BT30-SA5-04
0° SKEW

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER