

NON-COATED REINFORCING	REINFORCING BAR LIST		℄-℄ ABUT. BRG	222'-0			232'-0			242'-0			252'-0			262'-0		
	ONE SUPERSTRUCTURE & TWO ABUTMENTS		BEAM SERIES	BTD110			BTD115			BTD120			BTD125			BTD130		
	BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
	5d1	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		48	8'-4	417	48	8'-4	417	48	8'-4	417	48	8'-4	417	48	8'-4	417
	5d2	PIER & ABUT. DIAPHRAGM, LONGITUDINAL		16	6'-4	106	16	6'-4	106	16	6'-4	106	16	6'-4	106	16	6'-4	106
	5d3	PIER DIAPHRAGM, LONGITUDINAL		1	38'-5	40	1	38'-5	40	1	38'-5	40	1	38'-5	40	1	38'-5	40
	5d4	ABUTMENT DIAPHRAGM, ENDS		12	5'-6	68	12	5'-6	68	12	5'-6	68	12	5'-6	68	12	5'-6	68
	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		24	12'-10	321	24	12'-10	321	24	12'-10	321	24	12'-10	321	24	12'-10	321	
5e2	PIER DIAPHRAGM TIES		24	3'-3	81	24	3'-3	81	24	3'-3	81	24	3'-3	81	24	3'-3	81	
8f2	ABUTMENT FOOTING-LONGITUDINAL-F.F.		20	23'-7	1,259	20	23'-7	1,259	20	23'-7	1,259	20	23'-7	1,259	20	23'-7	1,259	
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'-6	182	8	8'-6	182	8	8'-6	182	8	8'-6	182	8	8'-6	182	
8f5	ABUTMENT EXTENSION, LONGITUDINAL		8	8'-9	187	8	8'-9	187	8	8'-9	187	8	8'-9	187	8	8'-9	187	
8g2	ABUTMENT, VERTICAL F.F.		60	7'-6	1,202	60	7'-6	1,202	60	7'-6	1,202	60	7'-6	1,202	60	7'-6	1,202	
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-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	
5a1	WING, VERTICAL		56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	
4t1	UNDER BEAMS AT ABUTMENTS		10	5'-7	37	10	5'-7	37	10	5'-7	37	10	5'-7	37	10	5'-7	37	
	#2 PILE SPIRAL		24	38'-6	154	24	38'-6	154	24	38'-6	154	26	38'-6	167	26	38'-6	167	
	SPIRAL SPACERS, L $\frac{1}{8} \times \frac{1}{8} \times \frac{1}{8} \times 0.75$		48	1'-10	62	48	1'-10	62	48	1'-10	62	52	1'-10	67	52	1'-10	67	

5d4

5e1

5e2

8f1, 8f2

8f3, 8f4, 8f5

8g3

4g5

5k1

5k2

5p1, 5p2, 5p4

6p3

4t1

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

SEE BT40-TSI-04 FOR SUPERSTRUCTURE NOTES.

LATEST REVISION DATE

Thomas L. McDaniel



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

ALL SPANS

JULY, 2004

SUPERSTRUCTURE & ABUTMENTS BAR LISTS	BT40-SA6-04
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