REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

EPOXY COATED REINFORCING

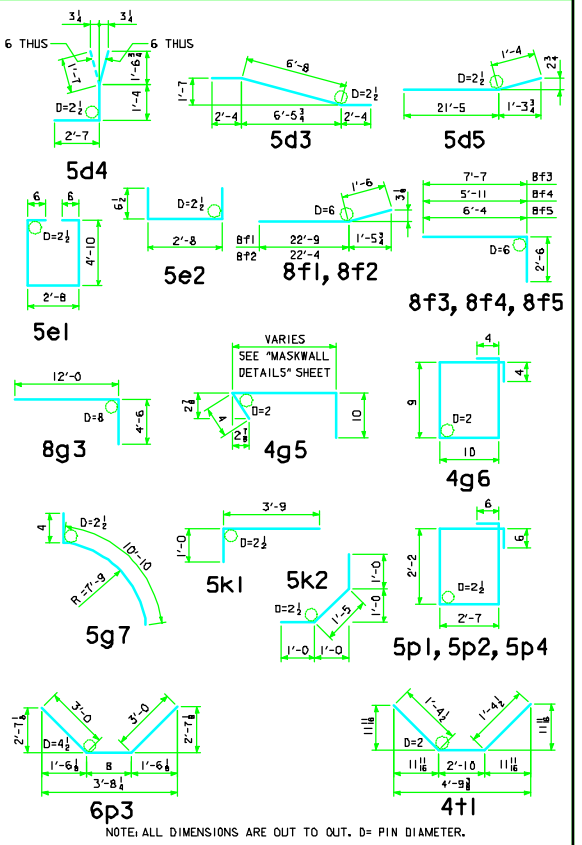
BAR	LOCATION	SHAPE	℄-℄ ABUT. BRG / BEAM SERIES	222′-0 BTD110 NO.	LENGTH	WEIGHT	232′-0 BTD115 NO.	LENGTH	WEIGHT	242′-0 BTD120 NO.	LENGTH	WEIGHT	252′-0 BTD125 NO.	LENGTH	WEIGHT	262′-0 BTD130 NO.	LENGTH	WEIGHT
6a1	SLAB TRANSV. TOP & BOTT.			551	42′-10	35,449	575	42′-10	36,993	601	42′-10	38,666	625	42′-10	40,210	651	42′-10	41,883
6a2	SLAB TRANSV. TOP ENDS			18	VARIES	580	18	VARIES	599	18	VARIES	576	18	VARIES	614	18	VARIES	592
6a3	SLAB TRANSV. BOTT. ENDS			16	VARIES	498	16	VARIES	532	16	VARIES	512	16	VARIES	546	16	VARIES	526
5b1	SLAB LONGITUDINAL, TOP & BOTT.			430	40′-0	17,940	516	40′-0	21,528	516	40′-0	21,528	516	40′-0	21,528	516	40′-0	21,528
5b2	SLAB LONGITUDINAL, TOP & BOTT., END			86	36′-10	3,124	86	6′-10	613	86	16′-10	1,510	86	26′-10	2,407	86	36′-10	3,304
7b3	SLAB LONGITUDINAL, TOP & BOTT. @ PIER			96	27′-6	5,396	96	28′-8	5,625	----	-----	----	----	-----	----	----	-----	----
8b3	SLAB LONGITUDINAL, TOP & BOTT. @ PIER			-----	-----	-----	----	-----	----	96	30′-0	7,690	96	31′-2	7,989	96	32′-6	8,330
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL-B.F.			16	22′-9	380	16	22′-9	380	16	22′-9	380	16	22′-9	380	16	22′-9	380
5d6	PAVING NOTCH, LONGITUDINAL			8	22′-6	188	8	22′-6	188	8	22′-6	188	8	22′-6	188	8	22′-6	188
8f1	ABUTMENT FOOTING, LONGITUDINAL-B.F.			16	24′-3	1,036	16	24′-3	1,036	16	24′-3	1,036	16	24′-3	1,036	16	24′-3	1,036
8g1	ABUTMENT, VERTICAL-B.F.			66	8′-7	1,512	66	8′-7	1,512	66	8′-7	1,512	66	8′-7	1,512	66	8′-7	1,512
8g3	ABUTMENT DIAPHRAGM, VERTICAL-B.F.			58	16′-6	2,555	58	16′-6	2,555	58	16′-6	2,555	58	16′-6	2,555	58	16′-6	2,555
5j1	TOP OF SLAB AT RAIL			564	7′-0	4,118	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			62	4′-9	307	62	4′-9	307	62	4′-9	307	62	4′-9	307	62	4′-9	307
5k2	PAVING NOTCH, TRANSVERSE-BOT.			62	3′-5	212	62	3′-5	212	62	3′-5	212	62	3′-5	212	62	3′-5	212
5p1	ABUTMENT HOOPS			116	10′-6	1,270	116	10′-6	1,270	116	10′-6	1,270	128	10′-6	1,402	128	10′-6	1,402
6p3	ABUTMENT, BOTTOM AT PILES			40	6′-8	401	40	6′-8	401	40	6′-8	401	44	6′-8	441	44	6′-8	441
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 BT40-BR2-04					14,029			14,538			15,047			15,557			16,123
	REINFORCING STEEL - EPOXY COATED (LB)					89,063			92,685			97,975			101,645			105,269

REINFORCING BAR LIST
ONE SUPERSTRUCTURE & TWO ABUTMENTS

NON-COATED REINFORCING

BAR	LOCATION	SHAPE	℄-℄ ABUT. BRG / BEAM SERIES	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			48	8′-5	421	48	8′-5	421	48	8′-5	421	48	8′-5	421	48	8′-5	421
5d2	PIER & ABUT. DIAPHRAGM, LONGITUDINAL			16	6′-5	107	16	6′-5	107	16	6′-5	107	16	6′-5	107	16	6′-5	107
5d3	PIER DIAPHRAGM, LONGITUDINAL			4	11′-4	47	4	11′-4	47	4	11′-4	47	4	11′-4	47	4	11′-4	47
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			24	13′-4	334	24	13′-4	334	24	13′-4	334	24	13′-4	334	24	13′-4	334
5e2	PIER DIAPHRAGM TIES			24	3′-9	94	24	3′-9	94	24	3′-9	94	24	3′-9	94	24	3′-9	94
8f2	ABUTMENT FDOTING-LONGITUDINAL-F.F.			20	23′-10	1,273	20	23′-10	1,273	20	23′-10	1,273	20	23′-10	1,273	20	23′-10	1,273
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.			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-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			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 $\frac{1}{8}$ × $\frac{1}{8}$ × $\frac{1}{8}$ × 0.75			48	1′-10	62	48	1′-10	62	48	1′-10	62	52	1′-10	67	52	1′-10	67
	REINFORCING STEEL (LB)					1,069			1,069			1,069			1,087			1,087

BENT BAR DETAILS



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

NOTES:

SEE BT40-SA3-04 FOR CONCRETE PLACEMENT AND QUANTITY TABLE.

SEE BT40-TSI-04 FOR SUPERSTRUCTURE NOTES.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

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

10° SKEW

BT40-SA7-04