EPOXY COATED REINFORCING BAR LIST

ONE SUPERSTRUCTURE AND TWO ABUTMENTS

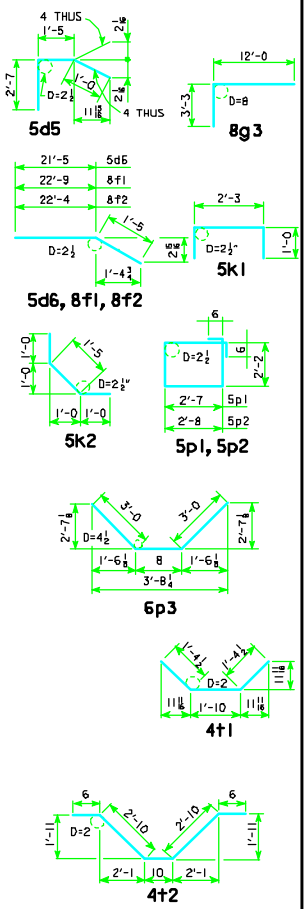
BAR	LOCATION	SHAPE	160'-0 NO.	160'-0 LENGTH	160'-0 WEIGHT	180'-0 NO.	180'-0 LENGTH	180'-0 WEIGHT	200'-0 NO.	200'-0 LENGTH	200'-0 WEIGHT	220'-0 NO.	220'-0 LENGTH	220'-0 WEIGHT	240'-0 NO.	240'-0 LENGTH	240'-0 WEIGHT	260'-0 NO.	260'-0 LENGTH	260'-0 WEIGHT	280'-0 NO.	280'-0 LENGTH	280'-0 WEIGHT	300'-0 NO.	300'-0 LENGTH	300'-0 WEIGHT
6a1	SLAB TRANSVERSE, TOP & BOTTOM		373	42'-10	23,998	421	42'-10	27,086	469	42'-10	30,174	517	42'-10	33,262	565	42'-10	36,350	613	42'-10	39,438	661	42'-10	42,526	709	42'-10	45,614
6a2	SLAB TRANSVERSE, TOP-ENDS		16	VARIES	528	16	VARIES	528	16	VARIES	528	16	VARIES	528	16	VARIES	528	16	VARIES	528	16	VARIES	528	16	VARIES	528
6a3	SLAB TRANSVERSE, BOTTOM-ENDS		18	VARIES	594	18	VARIES	594	18	VARIES	594	18	VARIES	594	18	VARIES	594	18	VARIES	594	18	VARIES	594	18	VARIES	594
6b1	SLAB LONGITUDINAL TOP & BOTTOM		485	34'-5	25,072	485	38'-5	27,986	582	35'-9	31,252	582	39'-1	34,166	679	36'-9	37,480	679	39'-7	40,370	776	37'-5	43,612	776	39'-11	46,525
5d5	ABUTMENT DIAPHRAGM, LONGITUDINAL - END		16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84	16	5'-0	84
5d6	ABUTMENT DIAPHRAGM LONGITUDINAL - B.F.		16	22'-10	382	16	22'-10	382	16	22'-10	382	16	22'-10	382	16	22'-10	382	16	22'-10	382	16	22'-10	382	16	22'-10	382
5d7	PAVING NOTCH, LONGITUDINAL		8	20'-5	172	8	20'-5	172	8	20'-5	172	8	20'-5	172	8	20'-5	172	8	20'-5	172	8	20'-5	172	8	20'-5	172
8f1	ABUTMENT FOOTING LONGITUDINAL - B.F.		16	24'-2	1043	16	24'-2	1043	16	24'-2	1043	16	24'-2	1043	16	24'-2	1043	16	24'-2	1043	16	24'-2	1043	16	24'-2	1043
8g1	ABUTMENT VERTICAL - B.F.		74	6'-5	1268	74	6'-5	1268	74	6'-8	1318	74	7'-1	1400	74	7'-2	1416	74	7'-2	1416	74	7'-2	1416	74	7'-2	1416
8g3	ABUTMENT DIAPHRAGM VERTICAL - B.F.		62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525	62	15'-3	2525
5j1	TOP OF SLAB AT RAIL		386	6'-3	2517	434	6'-3	2830	482	6'-3	3143	530	6'-3	3455	578	6'-3	3768	626	6'-3	4081	674	6'-3	4394	722	6'-3	4707
5k1	PAVING NOTCH, TRANSVERSE		64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284	64	4'-3	284
5k2	PAVING NOTCH, TRANSVERSE		64	3'-5	228	64	3'-5	228	64	3'-5	228	64	3'-5	228	64	3'-5	228	64	3'-5	228	64	3'-5	228	64	3'-5	228
5p1	ABUTMENT HOOPS		144	10'-6	1578	144	10'-6	1578	140	10'-6	1534	140	10'-6	1534	140	10'-6	1534	140	10'-6	1534	128	10'-6	1402	128	10'-6	1402
5p2	ABUTMENT HOOPS AT ENDS		8	10'-8	90	8	10'-8	90	8	10'-8	90	8	10'-8	90	8	10'-8	90	8	10'-8	90	8	10'-8	90	8	10'-8	90
6p3	ABUTMENT BOTTOM AT PILES		28	6'-8	280	28	6'-8	280	32	6'-8	320	32	6'-8	320	32	6'-8	320	32	6'-8	320	36	6'-8	360	36	6'-8	360
4t2	ABUTMENT DIAPHRAGM, LONGITUDINAL F.F.		36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181	36	7'-6	181
	SEE BARRIER RAIL SHEET RS40-BR3-04				8935			9843			10,717			11,630			12,511			13,422			14,294			15,210
	REINFORCING STEEL - EPOXY COATED (LB)		TOTAL (LB)		69,749	TOTAL (LB)		76,972	TOTAL (LB)		84,559	TOTAL (LB)		91,868	TOTAL (LB)		99,480	TOTAL (LB)		106,682	TOTAL (LB)		114,105	TOTAL (LB)		121,335

NON-EPOXY COATED REINFORCING BAR LIST

ONE SUPERSTRUCTURE AND TWO ABUTMENTS

BAR	LOCATION	SHAPE	160'-0 NO.	160'-0 LENGTH	160'-0 WEIGHT	180'-0 NO.	180'-0 LENGTH	180'-0 WEIGHT	200'-0 NO.	200'-0 LENGTH	200'-0 WEIGHT	220'-0 NO.	220'-0 LENGTH	220'-0 WEIGHT	240'-0 NO.	240'-0 LENGTH	240'-0 WEIGHT	260'-0 NO.	260'-0 LENGTH	260'-0 WEIGHT	280'-0 NO.	280'-0 LENGTH	280'-0 WEIGHT	300'-0 NO.	300'-0 LENGTH	300'-0 WEIGHT
5d2	ABUTMENT DIAPHRAGM, LONGITUDINAL		16	21'-0	351	16	21'-0	351	16	21'-0	351	16	21'-0	351	16	21'-0	351	16	21'-0	351	16	21'-0	351	16	21'-0	351
8f2	ABUTMENT FOOTING LONGITUDINAL - F.F.		20	23'-9	1269	20	23'-9	1269	20	23'-9	1269	20	23'-9	1269	20	23'-9	1269	20	23'-9	1269	20	23'-9	1269	20	23'-9	1269
8g2	ABUTMENT VERTICAL - F.F.		62	5'-4	883	62	5'-5	897	62	5'-8	939	62	6'-1	1008	62	6'-1	1008	62	6'-2	1021	62	6'-2	1021	62	6'-2	1021
5h1	WING HORIZONTAL		56	6'-8	390	56	6'-8	390	56	6'-8	390	56	6'-8	390	56	6'-8	390	56	6'-8	390	56	6'-8	390	56	6'-8	390
5h2	ABUTMENT TO WING ANCHOR		56	4'-0	234	56	4'-0	234	56	4'-0	234	56	4'-0	234	56	4'-0	234	56	4'-0	234	56	4'-0	234	56	4'-0	234
5s1	WING, VERTICAL		56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263	56	VARIES	263
4t1	UNDER BEAMS AT ABUTMENTS		12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37	12	4'-7	37
	PILE SPIRAL - NO. 2 BAR		14	38'-6	90	14	38'-6	90	16	38'-6	104	16	38'-6	104	16	38'-6	104	16	38'-6	104	18	38'-6	116	18	38'-6	116
	SPIRAL SPACER L $\frac{7}{8}$x$\frac{1}{8}$x$\frac{1}{8}$x 0.70		28	1'-10	37	28	1'-10	37	32	1'-10	42	32	1'-10	42	32	1'-10	42	32	1'-10	42	36	1'-10	47	36	1'-10	47
	REINFORCING STEEL - NON-EPOXY COATED (LB)		TOTAL (LB)		3554	TOTAL (LB)		3568	TOTAL (LB)		3628	TOTAL (LB)		3697	TOTAL (LB)		3697	TOTAL (LB)		3710	TOTAL (LB)		3728	TOTAL (LB)		3728

BENT BAR DETAILS



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

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

FEBRUARY, 2004

DECK AND ABUTMENT REINFORCEMENT 10° SKEW

RS40-SA6-04