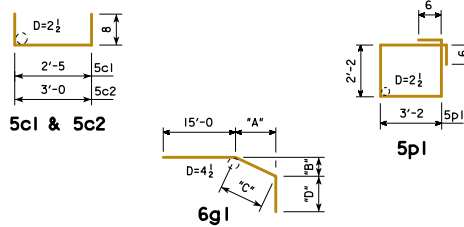


EPOXY COATED REINFORCING BAR LIST, CAST-IN-PLACE ABUTMENT (TWO ABUTMENTS)

BAR	LOCATION	SPAN	REINFORCED CONCRETE BOX BEAMS									PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS														
			30'-0"			40'-0"			50'-0"			30'-0"			40'-0"			50'-0"			60'-0"			70'-0"		
			NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
5c1	FOOTING END, VERTICAL	U	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63	16	3'-9"	63
5c2	FOOTING END, HORIZONTAL	U	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72	16	4'-4"	72
5d1	BACKWALL, VERTICAL	U	108	4'-0"	451	108	4'-0"	451	108	4'-6"	507	108	3'-6"	394	108	3'-6"	394	108	4'-0"	451	108	4'-0"	451	108	4'-6"	507
5d2	BACKWALL, VERTICAL	U	8	3'-10"	32	8	3'-10"	32	8	4'-4"	36	8	3'-4"	28	8	3'-4"	28	8	3'-10"	32	8	3'-10"	32	8	4'-4"	36
5d3	BACKWALL, VERTICAL	U	8	3'-4"	28	8	3'-4"	28	8	3'-10"	32	8	3'-0"	25	8	3'-0"	25	8	3'-4"	28	8	3'-4"	28	8	3'-10"	32
5d4	BACKWALL, VERTICAL	U	8	2'-11"	24	8	2'-11"	24	8	3'-5"	29	8	2'-9"	23	8	2'-9"	23	8	2'-11"	24	8	2'-11"	24	8	3'-5"	29
5d5	BACKWALL, VERTICAL	U	8	2'-5"	20	8	2'-5"	20	8	2'-11"	24	8	2'-5"	20	8	2'-5"	20	8	2'-5"	20	8	2'-5"	20	8	2'-11"	24
8f1	FOOTING, LONGITUDINAL	U	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730	24	27'-0"	1730
6g1	BACKWALL, HORIZONTAL	U	8	21'-2"	254	8	21'-2"	254	8	21'-8"	260	8	20'-1"	241	8	20'-1"	241	8	21'-2"	254	8	21'-2"	254	8	21'-8"	260
6g2	BACKWALL, HORIZONTAL	U	16	18'-10"	453	16	18'-10"	453	16	18'-10"	453	16	17'-10"	429	16	17'-10"	429	16	18'-10"	453	16	18'-10"	453	16	18'-10"	453
6g3	BACKWALL, HORIZONTAL	U	16	3'-8"	88	16	3'-8"	88	16	3'-8"	88	16	2'-8"	64	16	2'-8"	64	16	3'-8"	88	16	3'-8"	88	16	3'-8"	88
6g4	FOOTING TO BACKWALL, HORIZONTAL	U	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128	16	5'-4"	128
5p1	FOOTING HOOPS	U	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266	104	11'-8"	1266
	1 1/4" DIA. SMOOTH DOWELS	U	12	2'-9"	138	12	2'-9"	138	12	3'-3"	163	12	2'-3"	113	12	2'-3"	113	12	2'-9"	138	12	2'-9"	138	12	3'-3"	163
#2	PILE SPIRAL * SPIRAL SPACERS 1 1/2"x1 1/2"x 0.70 *	U	10	38'-6"	64	10	38'-6"	64	10	38'-6"	64	10	38'-6"	64	10	38'-6"	64	10	38'-6"	64	10	38'-6"	64	12	38'-6"	77
		U	30	1'-10"	38	30	1'-10"	38	30	1'-10"	38	30	1'-10"	38	30	1'-10"	38	30	1'-10"	38	30	1'-10"	38	36	1'-10"	46
	TOTAL (LBS.)				4,849			4,849			4,953			4,698			4,698			4,849			4,849			4,974

* EPOXY COATING NOT REQUIRED

BENT BAR DETAILS



	REINFORCED CONCRETE BOX BEAMS			PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS				
	30'-0"	40'-0"	50'-0"	30'-0"	40'-0"	50'-0"	60'-0"	70'-0"
A	3'-9"	3'-9"	3'-9"	2'-9"	2'-9"	3'-9"	3'-9"	3'-9"
B	1'-10 1/2"	1'-10 1/2"	1'-10 1/2"	1'-4 1/2"	1'-4 1/2"	1'-10 1/2"	1'-10 1/2"	1'-10 1/2"
C	4'-2"	4'-2"	4'-2"	3'-1"	3'-1"	4'-2"	4'-2"	4'-2"
D	2'-0"	2'-0"	2'-6"	2'-0"	2'-0"	2'-0"	2'-0"	2'-6"

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

CONCRETE PLACEMENT QUANTITIES (TWO ABUTMENTS)

LOCATION	SPAN	REINFORCED CONCRETE BOX BEAMS			PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS				
		30'-0"	40'-0"	50'-0"	30'-0"	40'-0"	50'-0"	60'-0"	70'-0"
BACKWALLS (C.Y.)		7.4	7.4	8.8	5.7	5.7	7.4	7.4	8.8
FOOTINGS (C.Y.)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
TOTAL (C.Y.)		29.6	29.6	31.0	27.9	27.9	29.6	29.6	31.0

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	Highway Division STANDARD DESIGN - 24'-0" ROADWAY, SINGLE SPAN CONCRETE BOX BEAM BRIDGES DECEMBER, 2016	ABUTMENT DETAILS (CAST-IN-PLACE) CONCRETE WINGS QUANTITIES 0° SKEW
			B24-13-16