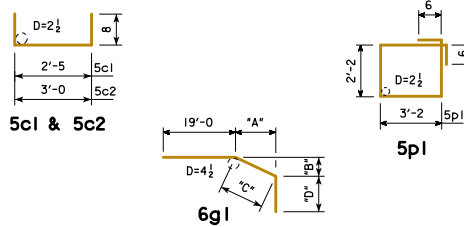


EPOXY COATED REINFORCING BAR LIST, CAST-IN-PLACE ABUTMENT (TWO ABUTMENTS)

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	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	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	16	4'-4"	72
5d1	BACKWALL, VERTICAL	U	140	4'-0"	584	140	4'-0"	584	140	4'-6"	657	140	3'-6"	511	140	3'-6"	511	140	4'-0"	584	140	4'-0"	584	140	4'-0"	584	140	4'-6"	657
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	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'-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	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'-5"	20	8	2'-11"	24
8f1	FOOTING, LONGITUDINAL	U	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243	24	35'-0"	2243
6g1	BACKWALL, HORIZONTAL	U	8	25'-2"	302	8	25'-2"	302	8	25'-8"	308	8	24'-1"	289	8	24'-1"	289	8	25'-2"	302	8	25'-2"	302	8	25'-2"	302	8	25'-8"	308
6g2	BACKWALL, HORIZONTAL	U	16	22'-10"	549	16	22'-10"	549	16	22'-10"	549	16	21'-10"	525	16	21'-10"	525	16	22'-10"	549	16	22'-10"	549	16	22'-10"	549	16	22'-10"	549
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	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	16	5'-4"	128
5p1	FOOTING HOOPS	□	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	136	11'-8"	1655	128	11'-8"	1558
	1 1/4" DIA. SMOOTH DOWELS	U	16	2'-9"	184	16	2'-9"	184	16	3'-3"	217	16	2'-3"	150	16	2'-3"	150	16	2'-9"	184	16	2'-9"	184	16	2'-9"	184	16	3'-3"	217
#2	PILE SPIRAL * SPIRAL SPACERS L 1/2 x 1/2 x 0.70 *	U U	10 30	38'-6" 1'-10"	64 38	10 30	38'-6" 1'-10"	64 38	12 36	38'-6" 1'-10"	77 46	10 30	38'-6" 1'-10"	64 38	10 30	38'-6" 1'-10"	64 38	12 36	38'-6" 1'-10"	77 46	14 42	38'-6" 1'-10"	90 54	16 48	38'-6" 1'-10"	103 62			
TOTAL (LBS.)			6,074			6,074			6,224			5,898			5,898			6,095			6,116			6,169					

* 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.)		8.9	8.9	10.7	6.9	6.9	8.9	8.9	10.7
FOOTINGS (C.Y.)		29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
TOTAL (C.Y.)		38.0	38.0	39.8	36.0	36.0	38.0	38.0	39.8

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	STANDARD DESIGN - 30'-0" ROADWAY, SINGLE SPAN CONCRETE BOX BEAM BRIDGES
		DECEMBER, 2016
		ABUTMENT DETAILS (CAST-IN-PLACE) CONCRETE WINGS QUANTITIES 0° SKEW
		B30-13-16