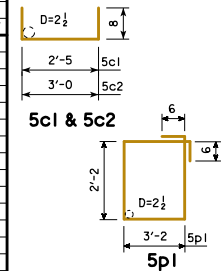


**EPOXY COATED REINFORCING BAR LIST, CAST-IN-PLACE ABUTMENT (TWO ABUTMENTS)**

BAR	LOCATION	SPAN SHAPE	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		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		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
6d1	BACKWALL, VERTICAL		172	4'-4	1119	172	4'-4	1119	172	4'-10	1249	172	3'-10	990	172	3'-10	990	172	4'-4	1119	172	4'-4	1119	172	4'-10	1249
8f1	FOOTING, LONGITUDINAL		24	31'-8	2029	24	31'-8	2029	24	31'-8	2029	24	31'-8	2029	24	31'-8	2029	24	31'-8	2029	24	31'-8	2029	24	31'-8	2029
5g1	BACKWALL, HORIZONTAL		12	31'-8	396	12	31'-8	396	12	31'-8	396	12	31'-8	396	12	31'-8	396	12	31'-8	396	12	31'-8	396	12	31'-8	396
5p1	FOOTING HOOPS		136	11'-8	1655	136	11'-8	1655	136	11'-8	1655	136	11'-8	1655	136	11'-8	1655	124	11'-8	1509	120	11'-8	1460	120	11'-8	1460
	1/4" DIA. SMOOTH DOWELS		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 *		10	38'-6	64	10	38'-6	64	10	38'-6	64	10	38'-6	64	10	38'-6	64	12	38'-6	77	14	38'-6	90	14	38'-6	90
	SPIRAL SPACERS L 1/4 x 1/4 x 0.70 *		30	1'-10	38	30	1'-10	38	30	1'-10	38	30	1'-10	38	30	1'-10	38	36	1'-10	46	42	1'-10	54	42	1'-10	54
TOTAL (LBS.)			5,574			5,574			5,729			5,420			5,420			5,574			5,449			5,576		

\* EPOXY COATING NOT REQUIRED

**BENT BAR DETAILS**



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.)		6.2	6.2	7.4	4.9	4.9	6.2	6.2	7.4
FOOTINGS (C.Y.)		26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
TOTAL (C.Y.)		32.4	32.4	33.6	31.1	31.1	32.4	32.4	33.6

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24'-0 ROADWAY, SINGLE SPAN <b>CONCRETE BOX BEAM BRIDGES</b>
		DECEMBER, 2016 <b>ABUTMENT DETAILS (CAST-IN-PLACE)</b> SHEET PILE WINGS 0° SKEW (SHEET 2 OF 2)
		<b>B24-11-16</b>