EPOXY COATED REINFORCING BAR LIST **BENT BAR DETAILS** CAST-IN-PLACE ABUTMENT BACKWALL (TWO ABUTMENTS) REINFORCED CONCRETE BOX BEAMS PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS 50'-0 60'-0 THREADED END-LOCATION SHAPE LENGTH WEIGHT NO. LENGTH WEIGHT LENGTH WEIGHT NO. LENGTH WEIGHT NO. LENGTH WEIGHT LENGTH WEIGHT NO. LENGTH WEIGHT NO. LENGTH WEIGHT NO. NO. 6dl * BACKWALL, VERTICAL 168 2'-2 168 2'-2 547 168 2'-2 534 168 2'-8 673 547 168 2'-8 673 168 1'-8 421 168 1'-8 421 547 164 2'-2 LENGTH 5g1 BACKWALL, HORIZONTAL 31'-8 396 12 31′-8 396 31′-8 396 12 31'-8 396 12 31'-8 396 12 31'-8 396 12 31'-8 396 31'-8 396 6dl * I 4" DIA. SMOOTH DOWELS 12 2'-9 138 2′-9 138 163 12 2'-3 113 2'-3 113 2′-9 138 138 NOTE: ALL DIMENSIONS ARE OUT 930 TO OUT. D= PIN DIAMETER.

* SEE BENT BAR DETAILS. THE LENGTHS SHOWN DO NOT INCLUDE AN ALLOWANCE FOR THE THREADED END. BAR LENGTHS MAY NEED TO INCREASE DEPENDING ON THE MECHANICAL COUPLER ASSEMBLY USED. THE COST OF THE THREADED PORTION OF THESE BARS IS TO BE INCLUDED IN THE PRICE BID FOR "REINFORCING STEEL EPDLY COATED" AND NO ADDITIONAL PAYMENT WILL BE MADE. THE WEIGHT OF THE THREADED END IS NOT INCLUDED IN THE QUANTITY SHOWN FOR "REINFORCING STEEL EPDLY COATED".

	EPOXY COATED REINFORCING BAR LIST PRECAST ABUTMENT FOOTING (ONE FOOTING) (INCLUDED IN BID ITEM "PRECAST FOOTING (SHEET PILE WINGS", EACH)													BENT BAR DETAILS													
	REINFORCED CONCRETE BOX BEAMS PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS												I I →														
		SPAN		30'-0			40'-0			50'-0			30'-0			40'-0			50′-0			60'-0			70'-0		U=25 m
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT										
5cl	FOOTING END, VERTICAL		8	3′-9	31	- 8	3′-9	31	8	3′-9	31	8	3′-9	31	8	3′-9	31	- 8	3′-9	31	- 8	3′-9	31	- 8	3′-9	31	2'-5 5cl N
5c2	FOOTING END, HORIZONTAL		8	4'-4	36	8	4'-4	36	8	4'-4	36	8	4'-4	36	8	4'-4	36	8	4'-4	36	8	4'-4	36	8	4'-4	36	3′-0 5c2 ≈ D=2½
																											
6d2 *x	FOOTING, VERTICAL		84	2'-2	273	84	2'-2	273	84	2'-2	273	84	2'-2	273	84	2′-2	273	84	2'-2	273	82	2′-2	267	84	2'-2	273	5cl, 5c2 3'-2
																											THREADED 50
8fl	FOOTING, LONGITUDINAL		12	31′-8	1015	12	31′-8	1015	12	31'-8	1015	12	31'-8	1015	12	31'-8	1015	12	31'-8	1015	12	31′-8	1015	12	31'-8	1015	THREADED 5pl
6f2	FOOTING, LONGITUDINAL, TOP	_	8	4'-9	57	8	4'-9	57	8	4'-9	57	8	4'-9	57	8	4'-9	57	8	4'-9	57	10	3′-4	50	12	2′-6		COUPLER 2'-2
5pl	FOOTING HOOPS	Ō	68	11'-8	827	68	11'-8	827	68	11'-8	827	68	11'-8	827	68	11'-8	827	68	11'-8	827	62	11'-8	754	60	11'-8	730	6d2 * *
																											NOTE: ALL DIMENSIONS ARE OUT
	тот	AL (LBS.)		2,239			2,239			2,239			2,239			2,239			2,239			2,153			2,130		TO OUT. D= PIN DIAMETER.

** INCLUDES MECHANICAL COUPLERS. SEE BENT BAR DETAILS.

CAST-IN-PLACE CONCRETE PLACEMENT QUANTITIES (TWO ABUTMENTS)												
		RCED CO		PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS								
LOCATION SPAN	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				

PRECAST	CONCRETE (ONE		ACEN OTIN		(INCLUE		ID ITEM	"PRECAST GS)", EACI			
			RCED CO BOX BEAM		PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS						
LOCATION	SPAN	30'-0	40'-0	50'-0	30'-0	40'-0	50'-0	60'-0	70′-0		
FOOTING (C.Y.)		11.7	11.7	11.7	11.7	11.7	11.7	11.4	11.1		
CMP PILE POCKETS (C.Y.) **		1.4	1.4	1.4	1.4	1.4	1.4	1.7	2.0		
	TOTAL (C.Y.)	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1		

** HIGH FARLY STRENGTH SELF-CONSOLIDATING CONCRETE.

ABUTMENT NOTES:
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

ABUTMENT PILES SHALL BE DRIVEN TO VALUES SHOWN IN THE DESIGN PLANS.

CONSTRUCTION KEYWAYS ARE TO BE FORMED WITH

BEVELED 2x6's.
THE BACKWALL SHALL BE PLACED AFTER THE UHPC
JOINTS BETWEEN THE BEAMS HAVE BEEN COMPLETED.
MECHANICAL COUPLERS SHALL BE EPOXY COATED. THE MECHANICAL COUPLERS SHALL MEET THE REQUIREMENTS OF MATERIALS IM 451 APPENDIX E, EXCEPT THE MECHANICAL SPLICE IS REQUIRED TO BE EMBEDDED ON THE ABUTMENT FOOTING SIDE OF THE CONSTRUCTION

CMP PILE POCKET NOTE:
PILE POCKETS SHALL CONSIST OF GALVANIZED STEEL CORRUGATED METAL PIPE (CMP), TYPE I, 16 GAGE, IN ACCORDANCE WITH THE PRECAST CONCRETE ELEMENTS NOTES, CMP FOR INDIVIDUAL POCKETS SHALL CONSIST OF A SINGLE LENGTH OF PIPE; SPLICING OF PIPE SECTIONS SHALL NOT BE ALLOWED, NOMINAL CMP SIZE SHALL BE 21". FOLLOWING SETTING OF THE FOOTING, THE PILE POCKETS SHALL BE FILLED LEVEL WITH THE TOP OF FOOTING USING HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE IN ACCORDANCE WITH THE PRECAST CONCRETE ELEMENTS

