	EPOXY	C0.	ATED	REIN	IFOR	CING	BAR	LIS	T, PR		T A	BUTM	ENT PRECAST		KWAL	L (0	O SI	(EW, (INGS)", EA		UNIT	.)						
	REINFORCED CONCRETE BOX BEAMS											PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS															
	SPAN			30'-0			40'-0			50'-0			30'-0			40'-0			50'-0			60'-0			70'-0		
LOCATION	SHAPE	NÔ.	LENGT	H WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NÔ.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	NÔ.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT		
BACKWALL, VERTICAL STIRRUPS	1	14	6'-1	57	14	6'-1	57	14	7'-1	66	14	5'-1	48	14	5'-1	48	14	6'-1	57	14	6'-1	57	14	7'-1	66		
BACKWALL, VERTICAL STIRRUPS	1	1	9'-9	7	1	9'-9	7	1	10'-9	7	1	8'-9	6	1	8'-9	6	1	9'-9	7	1	9'-9	7	1	10'-9	7		
BACKWALL, VERTICAL STIRRUPS		1	8'-9	6	1	8'-9	6	1	9'-9	7	1	8'-1	5	1	8'-1	5	1	8'-9	6	1	8'-9	6	1	9'-9	7		
BACKWALL, VERTICAL STIRRUPS	1	1	7'-11	5	1	7'-11	5	1	8'-11	6	1	7'-7	5	1	7′-7	5	1	7'-11	5	1	7'-11	5	1	8'-11	6		
BACKWALL, VERTICAL STIRRUPS	Ū	1	6'-11	5	1	6'-11	5	1	7'-11	5	1	6'-11	5	1	6'-11	5	1	6'-11	5	1	6'-11	5	1	7'-11	5		
BACKWALL, VERTICAL		7	2'-2	40	7	2'-2	40	7	2'-8	50	7	l'-8	31	7	l'-8	31	7	2'-2	40	7	2'-2	40	7	2'-8	50		
BACKWALL, HORIZONTAL		2	19'-7	59	2	19'-7	59	2	20'-1	60	2	18'-6	56	2	18'-6	56	2	19'-7	59	2	19'-7	59	2	20'-1	60		
BACKWALL, HORIZONTAL		2	15'-3	46	2	15'-3	46	2	15'-9	47	2	14'-9	44	2	14'-9	44	2	15'-3	46	2	15'-3	46	2	15'-9	47		

2 16'-3

4 2'-7

TOTAL (LBS 299 299 322 265 * 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 WECHANICAL COUPLER ASSEMBLY USED. THE COST OF THE THREADED PORTION OF THESE BARS IS TO BE INCLUDED IN THE PRICE BID FOR THE BACKWALLS.

2

4

17'-3 52

3'-7 22

2

4

17'-3 52

3'-7 22

THE WEIGHT OF THE THREADED END IS NOT INCLUDED IN THE QUANTITY SHOWN.

BAR

4dl

4d2

4d3 4d4

4d5

8d7 🗱

6g I

6g2

6g3 BACKWALL, HORIZONTAL

6g4 BACKWALL, HORIZONTAL

EPOXY COATED REINFORCING BAR LIST, PRECAST ABUTMENT FOOTING (ONE FOOTING) (INCLUDED IN BID ITEM "PRECAST FOOTING (CONCRETE WINGS)", EACH)

17'-3 52

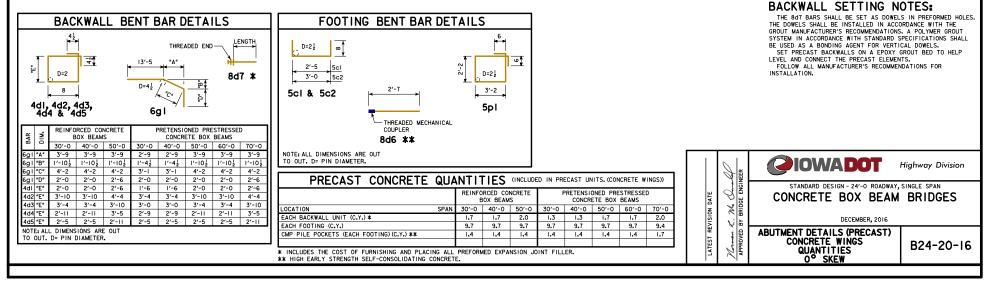
3'-7 22

2

4

REINFORCED CONCRETE BOX BEAMS												DEFENSIONED DESTRESSED CONCRETE DOV. DEANS													ィレ		
									PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS																		
	SF			30'-0		40'-0			50'-0			30'-0			40'-0			50'-0			60'-0			70'-0] P
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	N0.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT	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	G/
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	
8d6*	FOOTING, VERTICAL		14	2'-7	97	14	2'-7	97	14	2'-7	97	14	2'-7	97	14	2'-7	97	14	2'-7	97	14	2'-7	97	14	2'-7	97	
																											OF
8fl	FOOTING, LONGITUDINAL		12	27'-0	865	12	27'-0	865	12	27'-0	865	12	27'-0	865	12	27'-0	865	12	27'-0	865	12	27'-0	865	12	27'-0	865	SF
6f2	FOOTING, LONGITUDINAL		8	3'-7	43	8	3'-7	43	8	3'-7	43	8	3'-7	43	8	3'-7	43	8	3'-7	43	8	3'-7	43	10	2'-5	36	N0
] ³⁶
5pl	FOOTING, HOOPS	1	52	11'-8	633	52	11'-8	633	52	11'-8	633	52	11'-8	633	52	11'-8	633	52	11'-8	633	52	11'-8	633	52	11'-8	633	Тё
																											FC
	I 4" DIA. SMOOTH DOWELS		6	2'-9	69	6	2'-9	69	6	3'-3	82	6	2'-3	56	6	2'-3	56	6	2'-9	69	6	2'-9	69	6	3'-3	82	SE
	*	TOTAL (LBS.)		1,774			1,774	•		1,787	•		1,761			1,761	•		1,774			1,774			1,780		

** INCLUDES MECHANICAL COUPLERS. SEE BENT BAR DETAILS.



49

16

2

4

49

16

2

4

17'-3

3'-7 22

299

52

2

4

16'-3

2'-7

265

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

52

22

52

2 17'-3

4 3'-7

17'-3

3'-7 22

299

PLANS. 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 JOINT.

THE PRECAST BACKWALLS SHALL BE DRY FITTED TO THE PRECAST ABUTMENTS IN THE PRECASTER'S YARD

OR SHOP BEFORE SHIPPING THE PIECES TO THE FIELD. THE ENGINEER SHALL HAVE 48 HOURS

NOTICE TO VIEW AND APPROVE THE CONNECTED PRECAST PIECES BEFORE THEY ARE SHIPPED TO THE FIELD.

CMP PILE

KET NOTE:

POCKETS SHALL CONSIST OF PIPE (CMP), TYPE 1, 16 GAGE, ORDANCE WITH THE PRECAST TE ELEMENTS NOTES. CMP FOR DUAL POCKETS SHALL CONSIST SINGLE LENGTH OF PIPE; NG OF PIPE SECTIONS SHALL ALLOWED, NOMINAL CMP SIZE BE 21". FOLLOWING SETTING OF OTING THE PILE POCKETS SHALL LED LÉVEL WITH THE TOP OF G USING HIGH EARLY STRENGTH ONSOLIDATING CONCRETE IN DANCE WITH THE PRECAST ETE ELEMENTS NOTES.