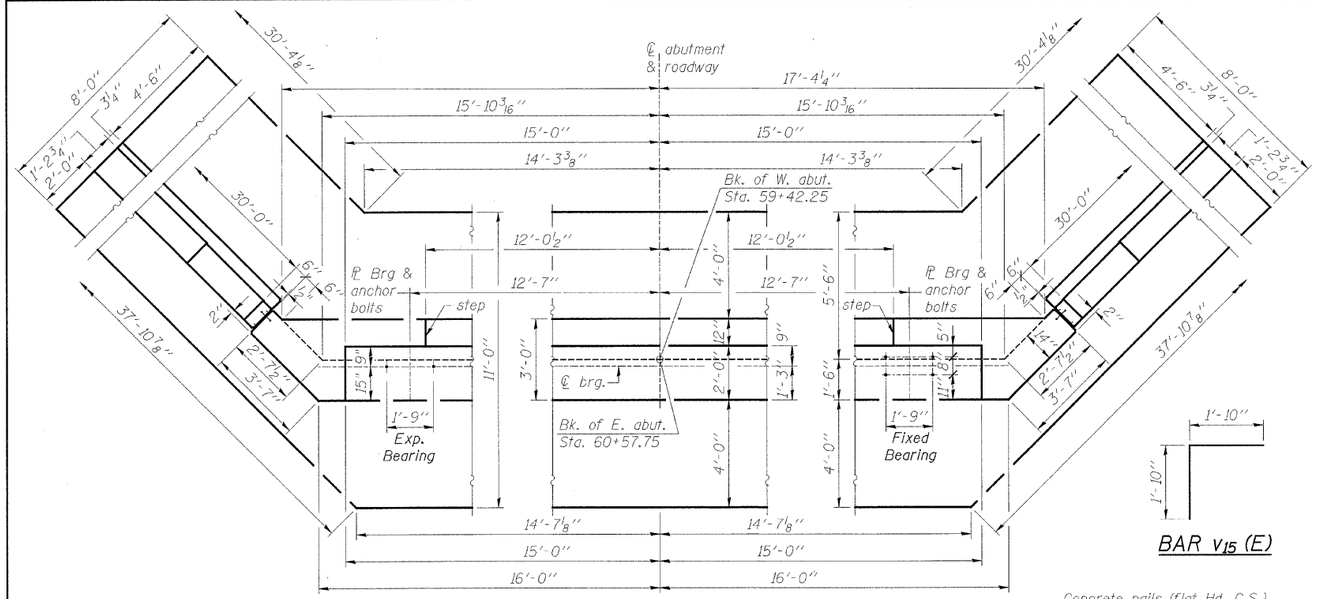
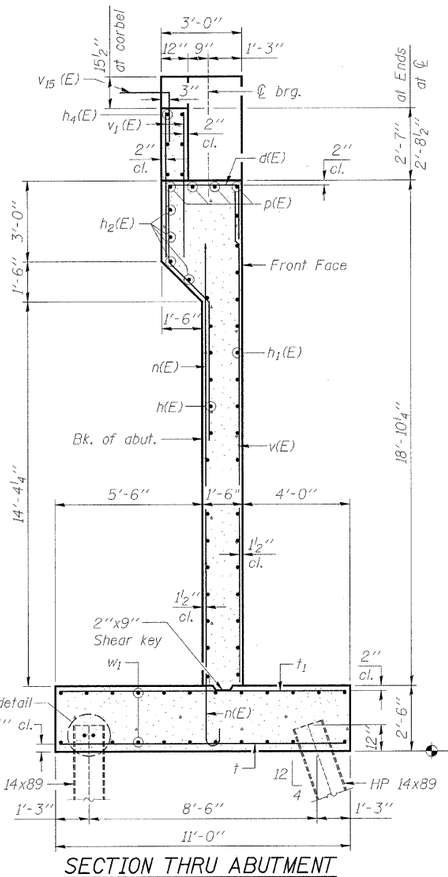
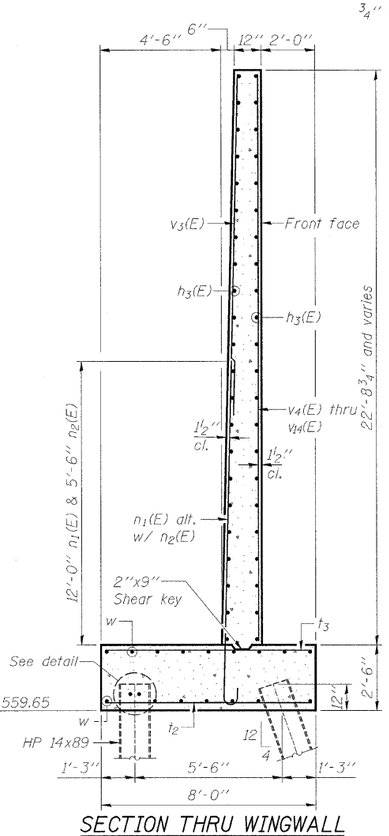


BAR v_{15} (E)

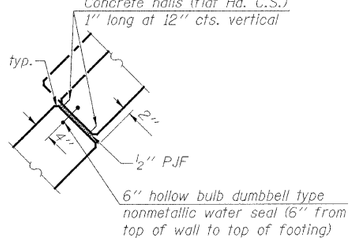
CORNER DETAILS



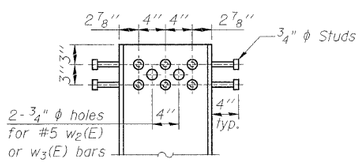
SECTION THRU ABUTMENT



SECTION THRU WINGWALL

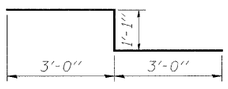


EXPANSION JOINT



PILE DETAIL

(HP 14x89)

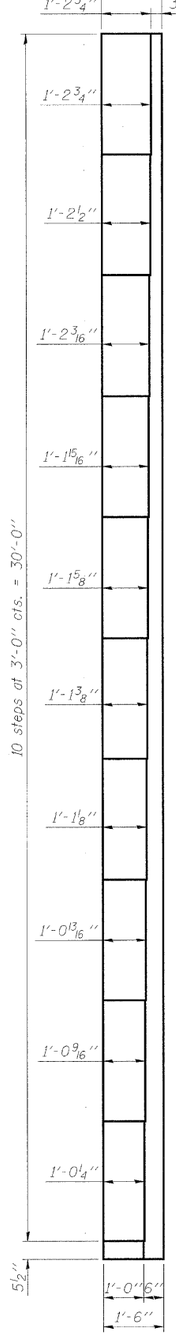


BAR z(E)

NOTES:

For details of piles, see Structural Sheet 11C of 13C.

Cost of Preformed Joint Filler, Hollow Bulb Type Non-metalic Water Seal & Concrete Nails included with Concrete Structures.

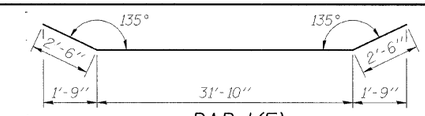


WINGWALL STEP DETAIL

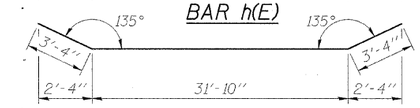
EAST & WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	128	#7	14'-8"	
h(E)	30	#5	36'-10"	
h_1(E)	38	#5	38'-6"	
h_2(E)	8	#5	34'-8"	
h_3(E)	176	#4	30'-2"	
h_4(E)	12	#4	34'-8"	
h_5(E)	16	#4	9'-0"	
h_6(E)	16	#4	5'-6"	
n(E)	132	#9	19'-5"	
n_1(E)	136	#9	15'-6"	
n_2(E)	132	#9	9'-0"	
p(E)	8	#9	31'-8"	
s(E)	128	#6	8'-11"	
t	58	#9	10'-8"	
t_1	74	#8	10'-8"	
t_2	128	#5	7'-8"	
t_3	200	#7	7'-8"	
v(E)	80	#4	18'-7"	
v_1(E)	180	#5	5'-3"	
v_2(E)	64	#5	6'-6"	
v_3(E)	66	#5	30'-4"	
v_4(E)	16	#4	12'-0"	
v_5(E)	12	#4	13'-0"	
v_6(E)	12	#4	14'-1"	
v_7(E)	12	#4	15'-1"	
v_8(E)	12	#4	16'-2"	
v_9(E)	16	#4	17'-3"	
v_{10}(E)	12	#4	18'-3"	
v_{11}(E)	12	#4	19'-4"	
v_{12}(E)	12	#4	20'-4"	
v_{13}(E)	12	#4	21'-5"	
v_{14}(E)	4	#4	22'-6"	
v_{15}(E)	50	#5	3'-8"	
w	64	#5	37'-6"	
w_1	44	#5	28'-10"	
w_2	8	#5	32'-10"	
w_3	4	#5	27'-0"	
z(E)	72	#5	7'-1"	
Porous Granular Embankment		Ton	676	
Structure Excavation		Cu. Yd.	1,693	
Concrete Structures		Cu. Yd.	362.5	
Stud Shear Connectors		Each	960	
Reinforcement Bars		Pound	12,590	
Reinforcement Bars, Epoxy Coated		Pound	39,980	
Furnishing Steel Piles HP 14x89		Foot	4,428	
Driving Piles		Foot	4,428	
Test Pile Steel HP 14x89		Each	2	
Geocomposite Wall Drain		Sq. Yd.	249	
* Underwater Structure Excavation Protection - Location 1		Each	1	
* Underwater Structure Excavation Protection - Location 2		Each	1	

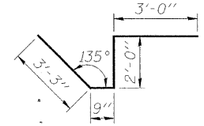
*Location 1 - East Abutment
Location 2 - West Abutment



BAR h(E)



BAR h_1(E)



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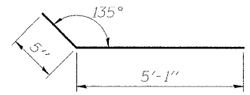
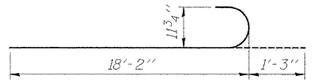
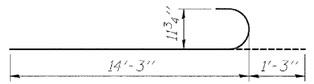


BAR h_6(E)



BAR n(E)



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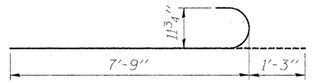

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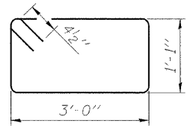
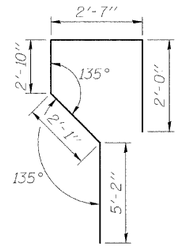


BAR s(E)



BAR d(E)

EAST & WEST ABUTMENT DETAILS
T.R. 271A OVER WEST BUREAU CREEK
STATION 60+00
S.N. 006-4376

WHA #1066D05

STRUCTURAL SHEET NO. 10C OF 13C SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	188	05-00195-00-BR	BUREAU	127	123
			CONTRACT NO. 87380		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-0188(118)		

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