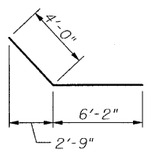
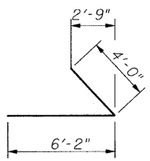
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* - Elevations shown at W.P.

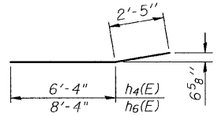


BAR h_1(E)

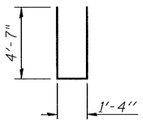


BAR h_2(E)

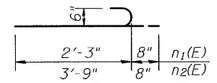
BAR h_9(E)



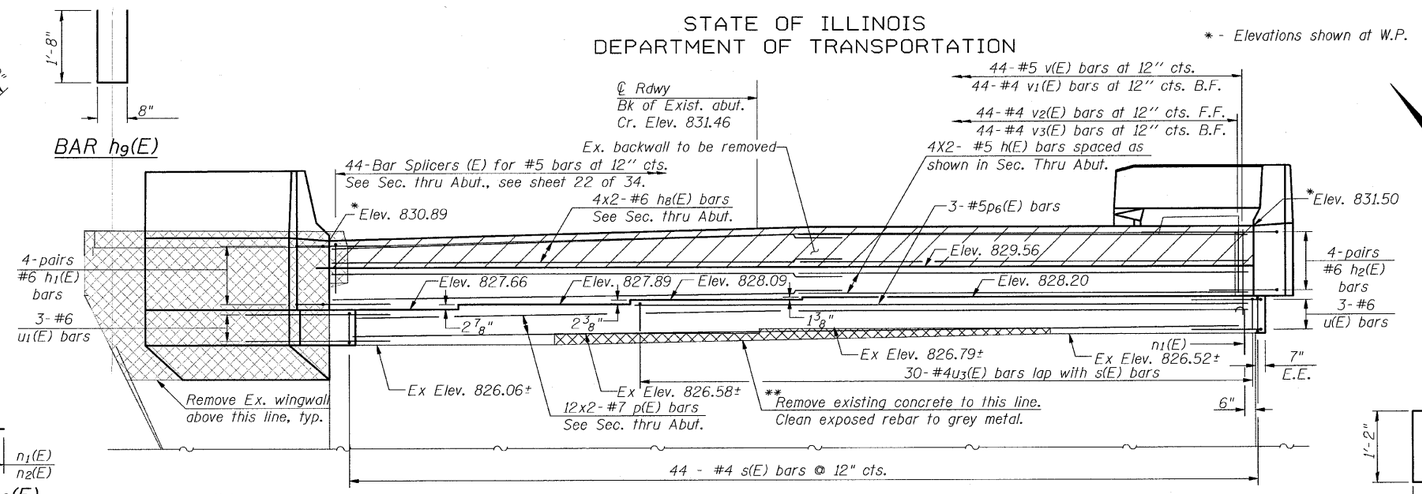
BAR h_4(E) & h_6(E)



BAR n(E)



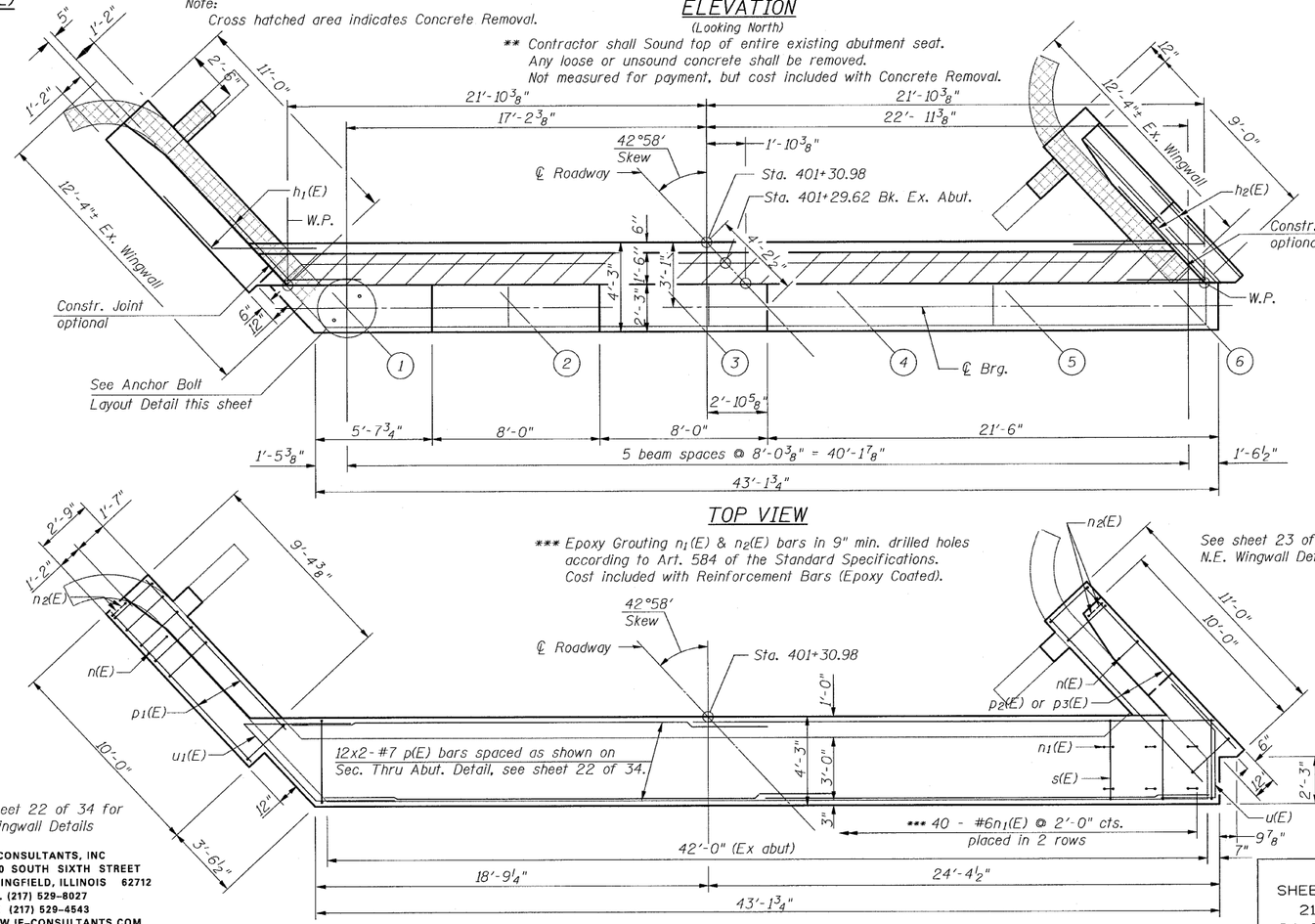
BAR n_1(E) & n_2(E)



ELEVATION
(Looking North)

Note:
Cross hatched area indicates Concrete Removal.

** Contractor shall Sound top of entire existing abutment seat. Any loose or unsound concrete shall be removed. Not measured for payment, but cost included with Concrete Removal.



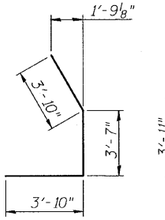
TOP VIEW

*** Epoxy Grouting n_1(E) & n_2(E) bars in 9" min. drilled holes according to Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars (Epoxy Coated).

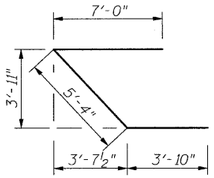
CAP PLAN

See sheet 22 of 34 for N.W. Wingwall Details

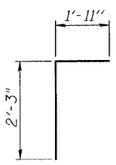
See sheet 23 of 34 for N.E. Wingwall Details



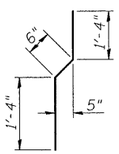
BAR u(E)



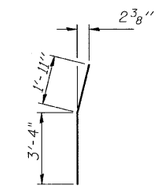
BAR u_1(E)



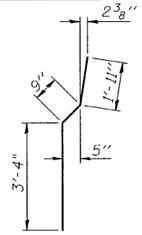
BAR v(E)



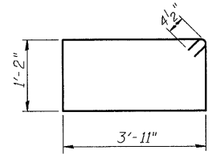
BAR v_1(E)



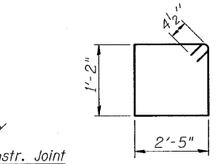
BAR v_4(E)



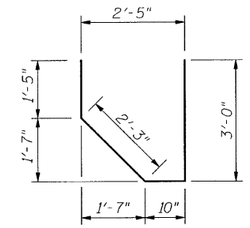
BAR v_5(E)



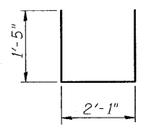
BAR s(E)



BAR s_1(E)



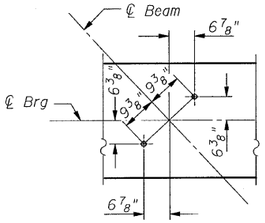
BAR u_2(E)



BAR u_3(E)

MIN BAR LAP

#4 - 2'-7"
#5 - 3'-3"
#6 - 3'-10"
#7 - 5'-2"



ANCHOR BOLT LAYOUT DETAIL

ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	8	#5	23'-5"	
h_1(E)	8	#6	10'-2"	
h_2(E)	8	#6	10'-2"	
h_3(E)	14	#4	9'-9"	
h_4(E)	5	#4	8'-9"	
h_5(E)	2	#4	8'-9"	
h_6(E)	5	#4	10'-9"	
h_7(E)	2	#4	10'-9"	
h_8(E)	8	#6	23'-8"	
h_9(E)	8	#4	4'-0"	
n(E)	16	#6	10'-6"	
n_1(E)	46	#6	2'-11"	
n_2(E)	23	#6	4'-5"	
p(E)	24	#7	24'-6"	
p_1(E)	10	#7	9'-9"	
p_2(E)	5	#7	10'-9"	
p_3(E)	5	#7	7'-5"	
p_6(E)	3	#5	29'-3"	
s(E)	44	#4	10'-11"	
s_1(E)	23	#4	7'-11"	
u(E)	3	#6	11'-3"	
u_1(E)	3	#6	16'-2"	
u_2(E)	17	#4	7'-5"	
u_3(E)	30	#4	4'-11"	
v(E)	44	#5	4'-2"	
v_1(E)	44	#4	3'-2"	
v_2(E)	44	#4	4'-4"	
v_3(E)	44	#4	2'-8"	
v_4(E)	6	#6	5'-3"	
v_5(E)	15	#6	6'-0"	
v_6(E)	22	#6	5'-8"	
Bar Splicers			Each	44
Structure Excavation			Cu. Yd.	44.0
Concrete Structures			Cu. Yd.	28.9
Reinforcement Bars, Epoxy Coated			Pound	4,830
Concrete Sealer			Sq. Ft.	328
Concrete Removal			Cu. Yd.	15.9

Notes:
For details of Bar Splicers, see sheet 27 of 34.
Bars indicated thus 1 x 2 -#5 indicates 1 line of bars with 2 lengths per line.
Concrete Sealer shall be applied to the face of the backwall, the bearing seats & the front face of abutments.

NORTH ABUTMENT
S.N. 101-0120

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

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SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21 OF 34 SHEETS	301	(1-1HB-1)D	WINNEBAGO	55	37
			CONTRACT NO. 64E11		
		ILLINOIS	FED. AID PROJECT		