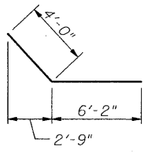
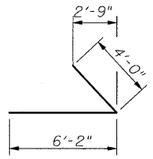
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* - Elevations shown at W.P.



BAR h_1(E)



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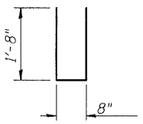

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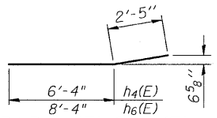
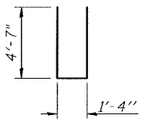
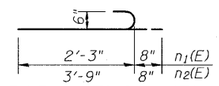


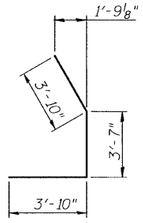
BAR h_4(E) & h_6(E)



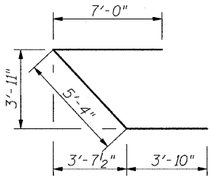
BAR n(E)



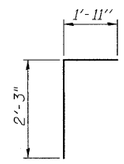
BAR n_1(E) & n_2(E)



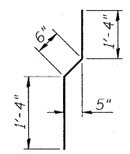
BAR u(E)



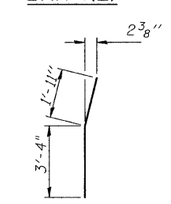
BAR u_1(E)



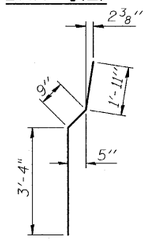
BAR v(E)



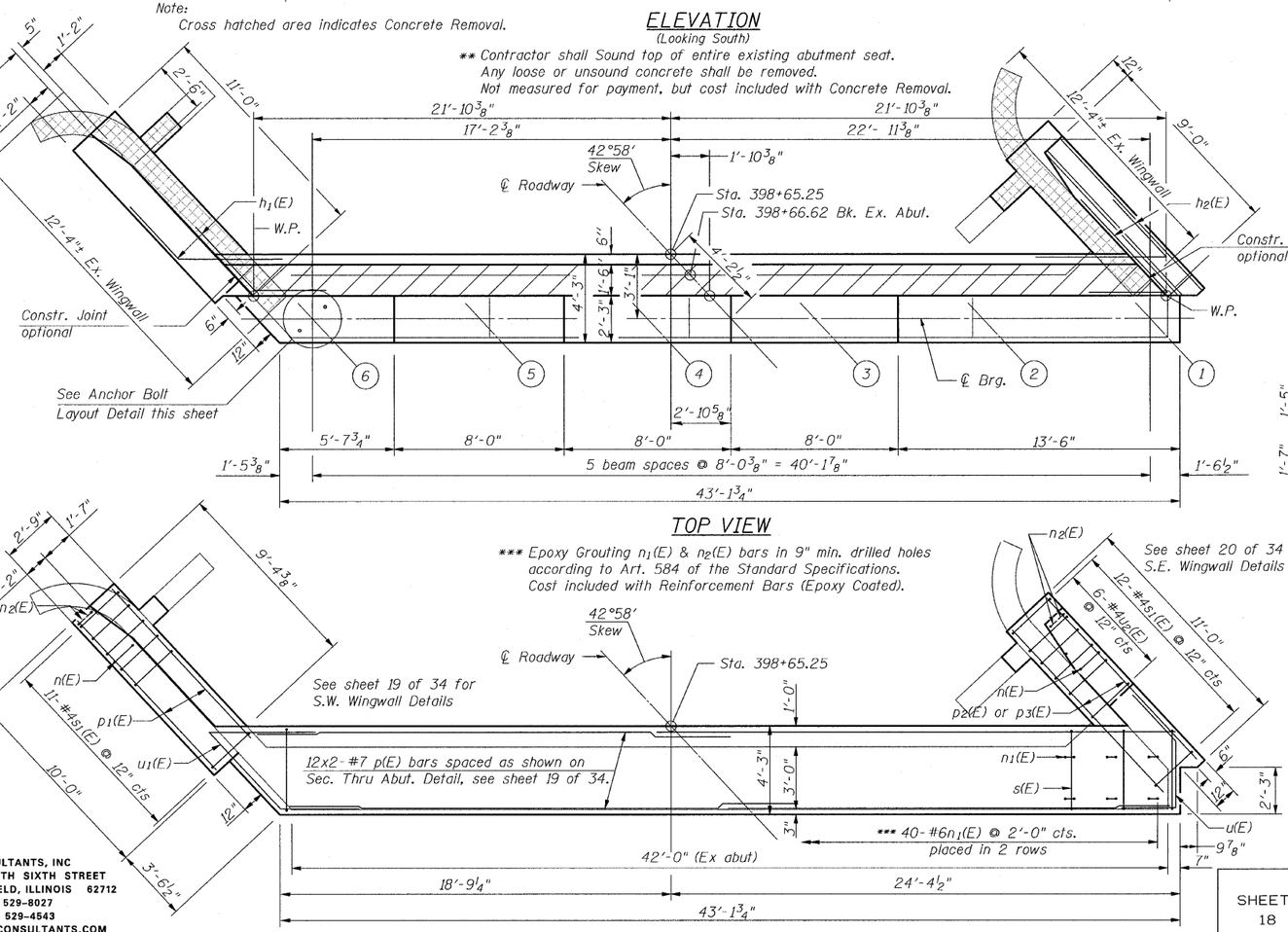
BAR v_1(E)



BAR v4(E)



BAR v_5(E)



ELEVATION
(Looking South)

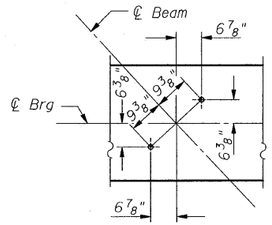
Note:
Cross hatched area indicates Concrete Removal.

** 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.

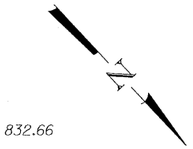
TOP VIEW

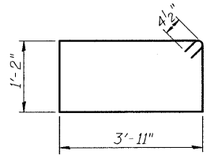
*** Epoxy Grouting n_1(E) & n_2(E) bars in 9" min. drilled holes according to Art. 584 of the Standard Specifications. Cost included with Reinforcement Bars (Epoxy Coated).

CAP PLAN

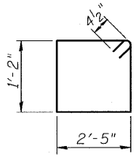


ANCHOR BOLT LAYOUT DETAIL

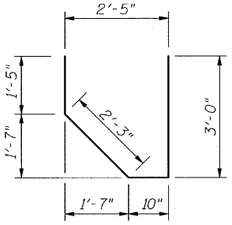




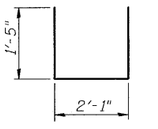
BAR s(E)



BAR s_1(E)



BAR u_2(E)



BAR u_3(E)

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	5'-8"	
p_5(E)	3	#5	21'-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)	22	#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.	41.0
Concrete Structures			Cu. Yd.	28.3
Reinforcement Bars, Epoxy Coated			Pound	4,760
Concrete Sealer			Sq. Ft.	321
Concrete Removal			Cu. Yd.	15.0

MIN BAR LAP
#4 - 2'-7"
#5 - 3'-3"
#6 - 3'-10"
#7 - 5'-2"

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.

SOUTH ABUTMENT
S.N. 101-0120

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

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FAX (217) 529-4543
WWW.IE-CONSULTANTS.COM

SHEET NO. 18 OF 34 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	301	(1-1HB-1)D	WINNEBAGO	55	34
			CONTRACT NO. 64E11		
		ILLINOIS FED. AID PROJECT			