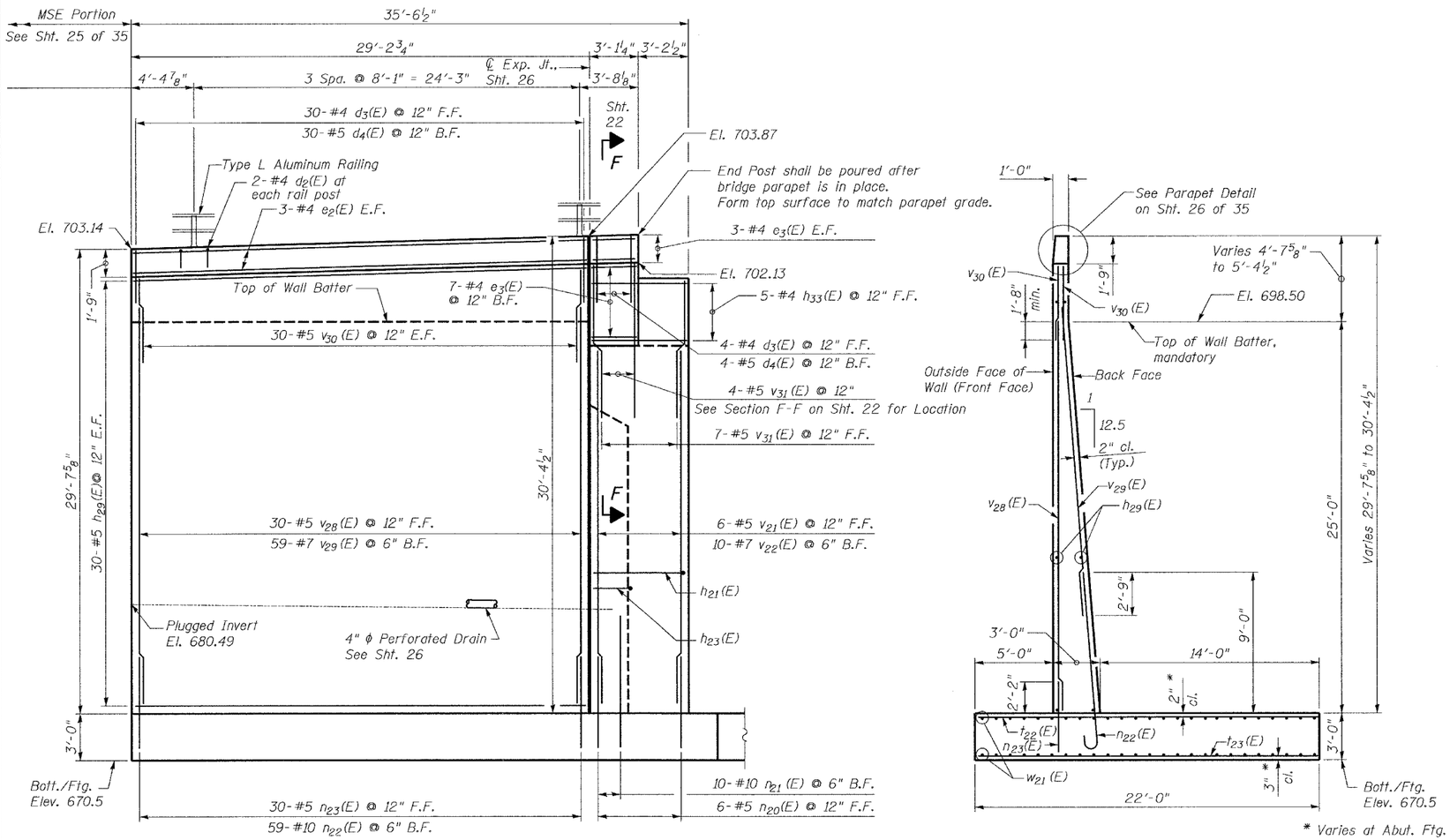
CONTRACT NO. 62712

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327 B	COOK	108	52
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 24
35 SHEETS



WINGWALL ELEVATION

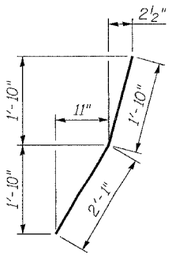
* Varies at Abut. Ftg.

SECTION THRU WINGWALL

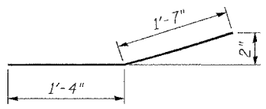
Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All edges shall have standard 3/4" chamfer except as noted.

See Sheet 26 of 35 for Pipe Underdrain Detail
Limits of Removal and Disposal of Unsuitable Material are from Elev. 670.5 to 674.5, horizontal limits are the same as Structure Excavation.

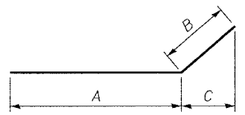
Legend
B.F. = Back Face
F.F. = Front Face
E.F. = Each Face



BAR d(E)



BAR d3(E)



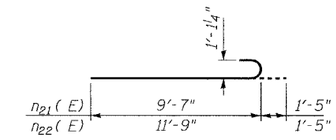
BARS h13(E), thru h16(E), h21(E), h23(E)

A, B & C DIMENSIONS

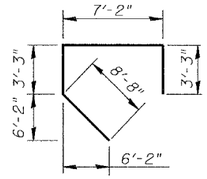
Bar	A	B	C
h_{17}	2'-10"	1'-0"	0'-8"
h_{13}	2'-5"	1'-5""	1'-0"
h_{14}	2'-5"	1'-7"	1'-3"
h_{16}	2'-10"	2'-10"	0'-0"
h_{21}	6'-0"	2'-2"	1'-8"
h_{23}	3'-7"	2'-2"	1'-8"
h_{35}	4'-9"	1'-0"	0'-8"
h_{36}	4'-5"	1'-0"	0'-8"

BILL OF MATERIAL

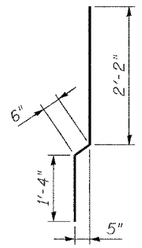
Bar	No.	Size	Length	Shape
d(E)	3	#5	3'-11"	
d_1(E)	3	#4	3'-8"	
d_2(E)	8	#4	2'-0"	
d_3(E)	34	#4	2'-11"	
d_4(E)	34	#5	3'-9"	
e_2(E)	6	#4	28'-11"	
e_3(E)	13	#4	2'-9"	
e_4(E)	8	#4	2'-0"	
h_6 (E)	2	#6	10'-7"	
h_7 (E)	14	#6	3'-10"	
h_{13} (E)	4	#5	3'-10"	
h_{14} (E)	8	#5	4'-0"	
h_{20}(E)	98	#5	31'-10"	
h_{21}(E)	23	#5	8'-5"	
h_{23}(E)	23	#5	5'-9"	
h_{24}(E)	5	#5	46'-2"	
h_{25}(E)	5	#5	28'-4"	
h_{26}(E)	5	#5	10'-6"	
h_{27}(E)	16	#5	31'-11"	
h_{28}(E)	4	#6	32'-0"	
h_{29}(E)	60	#5	28'-11"	
h_{31}(E)	12	#4	4'-5"	
h_{32}(E)	4	#6	4'-1"	
h_{33}(E)	5	#4	6'-0"	
h_{34}(E)	12	#4	3'-0"	
h_{35}(E)	6	#4	5'-9"	
h_{36}(E)	6	#4	3'-9"	
n_{20}(E)	68	#5	6'-0"	
n_{21}(E)	134	#10	11'-0"	
n_{22}(E)	59	#10	13'-2"	
n_{23}(E)	30	#5	4'-11"	
s_7(E)	46	#5	6'-6"	
s_8(E)	4	#5	4'-2"	
t_{20}(E)	127	#8	21'-9"	
t_{21}(E)	64	#9	21'-9"	
t_{22}(E)	65	#10	21'-9"	
t_{23}(E)	65	#7	21'-9"	
v_6(E)	60	#5	2'-3"	
v_{20}(E)	57	#5	8'-10"	
v_{21}(E)	68	#5	22'-5"	
v_{22}(E)	134	#7	20'-1"	
v_{23}(E)	57	#5	6'-3"	
v_{24}(E)	60	#4	4'-0"	
v_{25}(E)	60	#4	7'-0"	
v_{26}(E)	60	#4	5'-3"	
v_{28}(E)	30	#5	18'-9"	
v_{29}(E)	59	#7	19'-10"	
v_{30}(E)	60	#5	5'-4"	
v_{31}(E)	11	#5	6'-0"	
v_{33}(E)	13	#5	4'-3"	
v_{34}(E)	13	#4	2'-8"	
v_{35}(E)	2	#5	22'-4"	
w_{20}(E)	92	#5	32'-10"	
w_{21}(E)	46	#5	37'-3"	
Concrete Structures		Cu. Yd.	460.5	
Reinforcement Bars, Epoxy Coated		Pound	56,160	
Structure Excavation		Cu. Yd.	1767	
Removal and Disposal of Unsuitable Material		Cu. Yd.	375	
Bar Splicers		Each	60	
Pipe Underdrains for Structures 4"		Foot	98	
Geocomposite Wall Drain		Sq. Yd.	209	
Porous Granular Embankment (Special)		Cu. Yd.	1476	
Bridge Seat Sealer		Sq. Ft.	170	
Concrete Superstructure		Cu. Yd.	7.2	



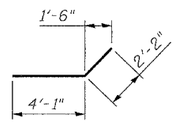
BAR n21(E), n22(E)



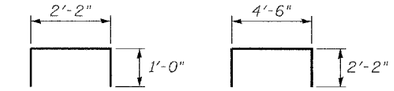
BAR v35(E)



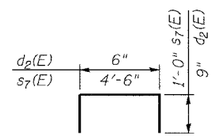
BAR v24(E)



BAR v23(E)



BAR s8(E) BAR v20(E)



BAR d2(E), S7(E)

EAST ABUTMENT DETAILS

IL 7 (SOUTHWEST HIGHWAY) OVER US 45 (LA GRANGE ROAD)
F.A.U. ROUTE 3578 SECTION 1327B
COOK COUNTY
STA. 1516+85.79
STRUCTURE NUMBER 016-2847

DESIGNED	SRT
CHECKED	JJI
DRAWN	MD
CHECKED	JJI

Bollinger, Lach & Associates, Inc.

w:\il 7\structural\Bridge\Final Plans\EASTABUT details.dgn
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