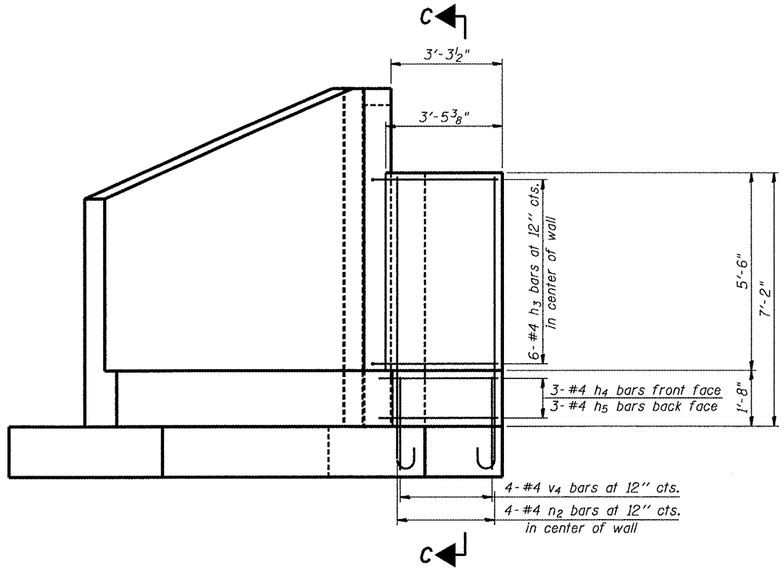
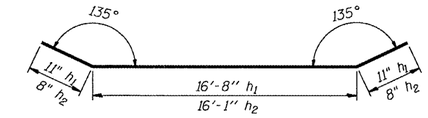
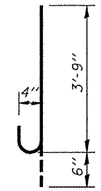


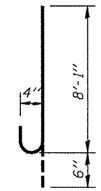
SECTION D-D



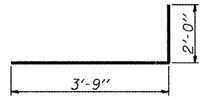
BAR h_1 & h_2



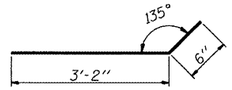
BAR h_5



BAR n_2

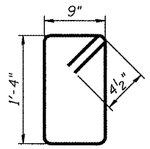


BAR h_3

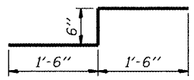


BAR h_4

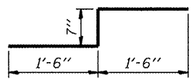
BAR n_1



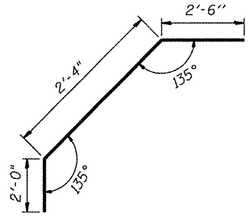
BAR s



BAR v_3



BAR v_4



BAR h_6

BILL OF MATERIAL - E. & W. ABUT.

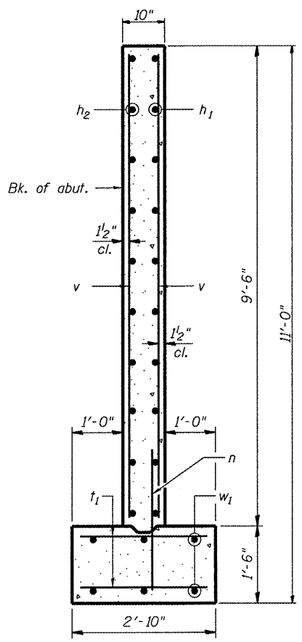
Bar	No.	Size	Length	Shape
h	84	#4	10'-9"	
h_1	20	#4	18'-6"	
h_2	20	#4	17'-5"	
h_3	24	#4	5'-9"	
h_4	12	#4	3'-8"	
h_5	12	#4	4'-3"	
h_6	56	#5	6'-10"	
n	46	#4	2'-9"	
n_1	48	#4	3'-9"	
n_2	16	#4	8'-7"	
t	112	#4	6'-1"	
t_1	84	#4	2'-6"	
t_2	24	#4	4'-2"	
v	68	#4	9'-3"	
v_1	20	#4	9'-9"	
v_2	48	#4	16'-0"	
v_3	48	#4	3'-6"	
v_4	16	#4	3'-7"	
v_5	8	#4	8'-3"	
w	56	#5	13'-1"	
w_1	12	#5	21'-3"	
w_2	40	#5	4'-0"	
Structure Excavation		Cu. Yd.	200	
Concrete Structures		Cu. Yd.	51	
Reinforcement Bars		Pound	5,052	
Porous Granular Embankment, Special		Cu. Yd.	60	
Limestone Masonry Veneer		Sq. Ft.	402	
Pipe Undrains for Structures, 4"		Foot	136	
Geocomposite Wall Drain		Sq. Yd.	60	
Bituminous Coated Aggregate Slope Wall		Sq. Yd.	17.2	

Footings for abutment and wingwalls shall be poured monolithically.

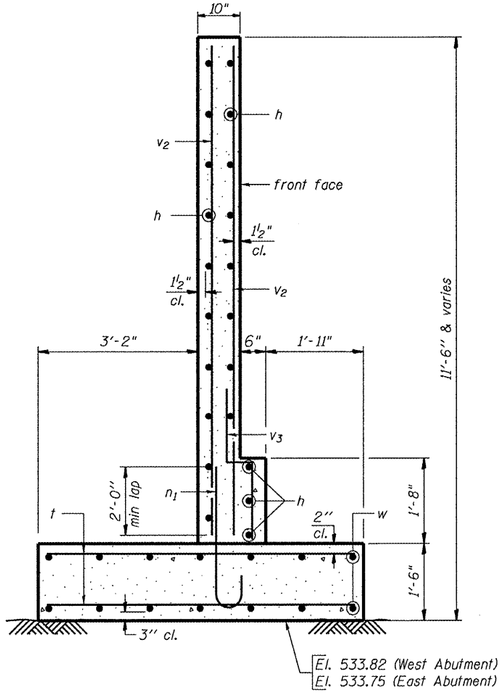
All corners shall have a ¾" chamfer unless otherwise noted.

f'c = 3,500 psi (concrete)
fy = 60,000 psi (reinforcement)

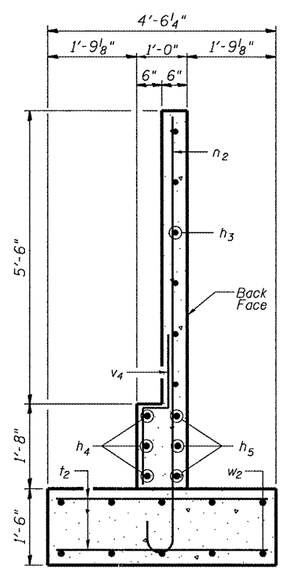
Maximum soil bearing pressure = 1.9 ksf.
Prior to pouring footings the soil shall be tested by a geotechnical engineer for adequate bearing capacity.



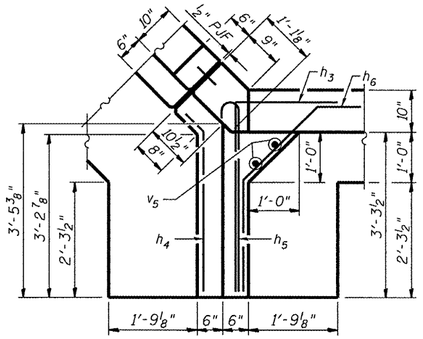
SECTION A-A



SECTION B-B



SECTION C-C



CORNER DETAIL

(Concrete wall returns shall be poured monolithically with abutment walls.)

EAST & WEST ABUTMENT DETAILS
OQUAWKA WAGON COVERED BRIDGE
S.N. 036-0031
SECTION 114RA
ROUTE FAP 657 (IL 164)
JOB NUMBER D-94-070-08
HENDERSON COUNTY
WHA# 1159D09

STRUCTURAL SHEET NO. 2 OF 3 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		114RA	HENDERSON	21	9
			CONTRACT NO. 68828		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		