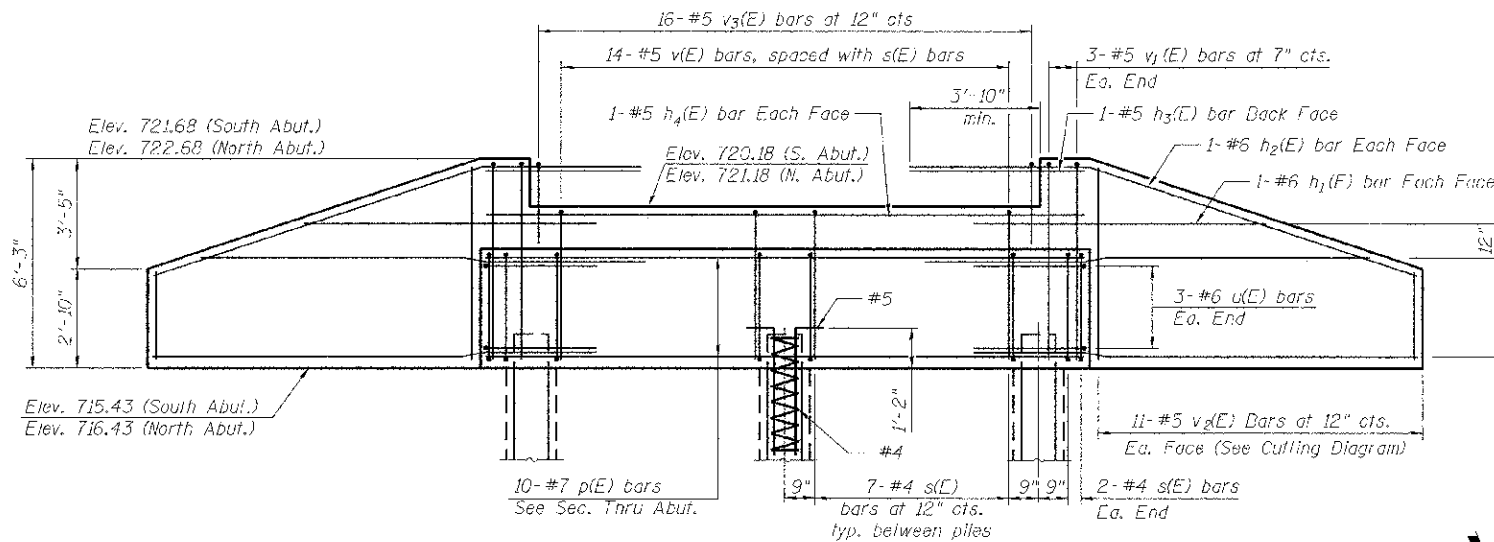
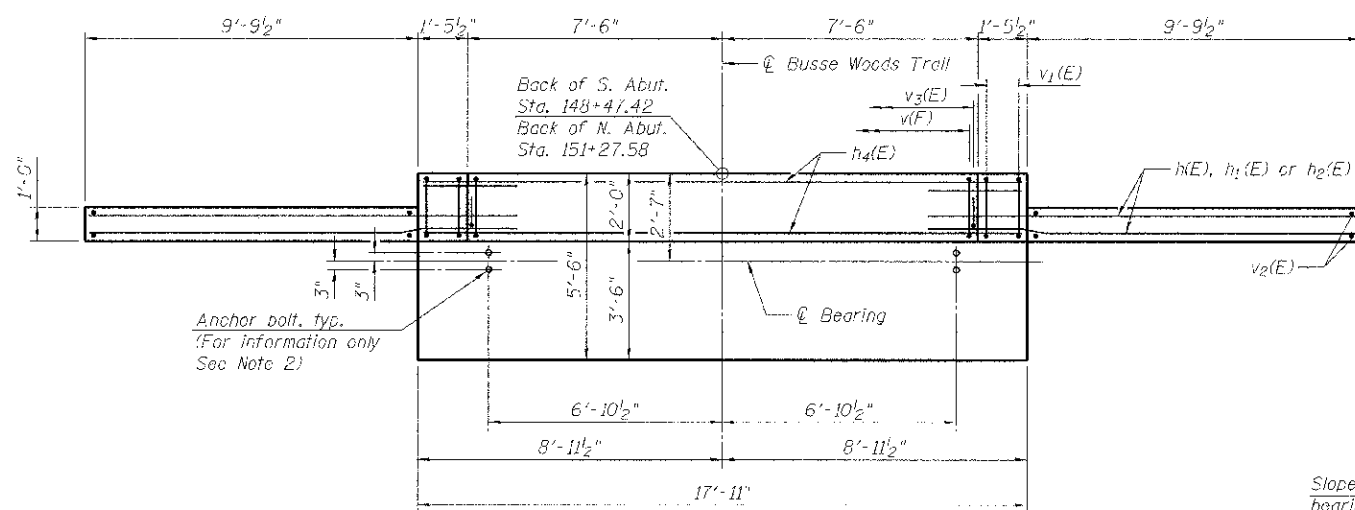
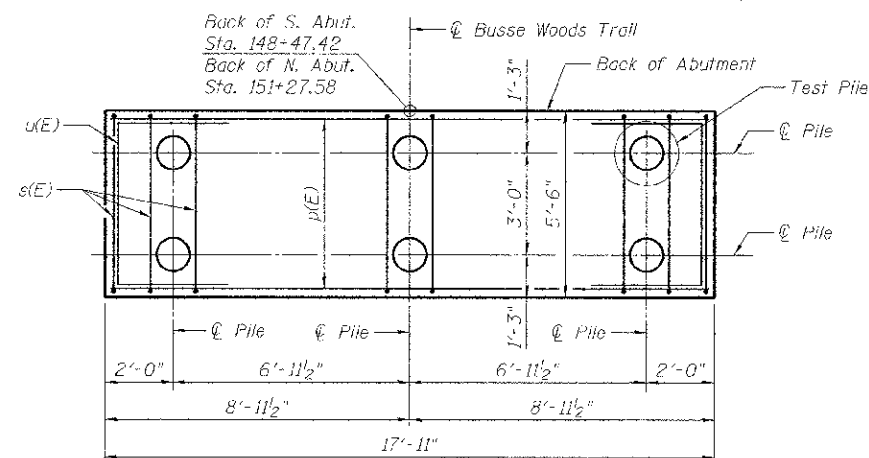




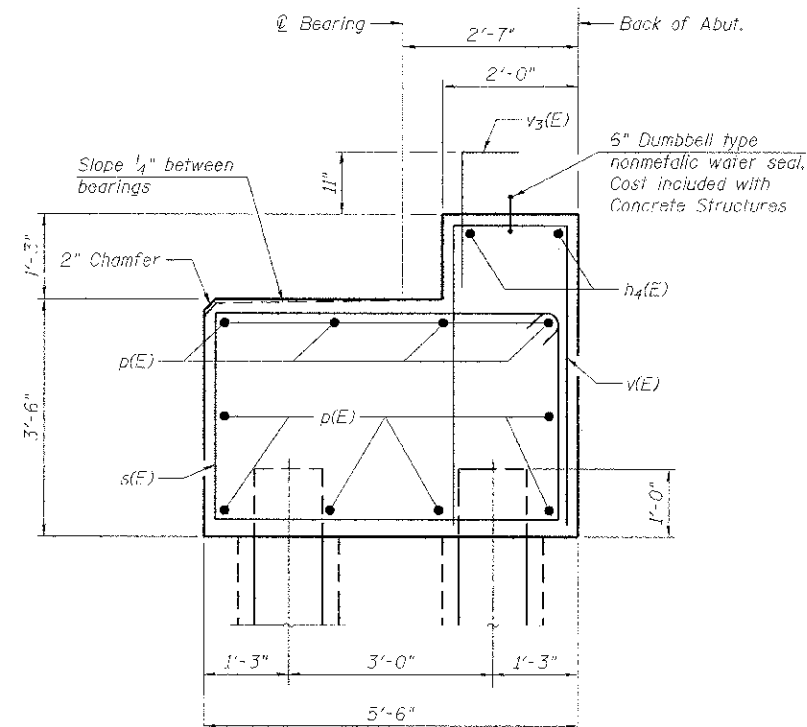
ELEVATION



TOP VIEW

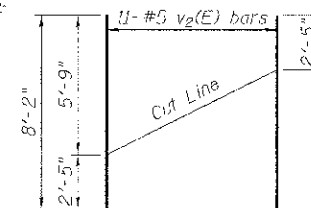


PLAN-PILE CAP



SECTION THRU ABUTMENT

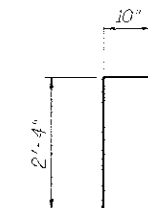
BAR h2(E)



BAR v2(E)

Order v2(E) full length, cut as shown and use remainder of bars in opposite face.

BAR v(E), v1(E)



BAR v3(E)

PILE DATA

Type: Metal Shell-12 in. dia. x 0.25 in. walls
Nominal Required Bearing: 255 Kips
Factored Resistance Available: 140 Kips
Est. Length: 72 ft. (S. Abut.)
65 ft. (N. Abut.)
No. Production Piles: 5 per Abutment
No. Test Piles: 1 per Abutment
The piles at the South Abutment shall be driven through 24" diameter precored holes extending to elevation 596.00 according to Article 512.09(c) of the Standard Specifications. Cost Included in Driving Piles.

LEGEND

○ Denotes Vertical Metal Shell Pile

Notes:
Concrete clear cover shall be 2" minimum unless noted otherwise.
Truss fabricator shall determine size and location of anchor bolts.
Cost included with Pedestrian Truss Superstructure.
All edges shall have standard 3/4" chamfers except as noted.
Space reinforcement in cap to miss anchor bolts.
For details of piles, see sheet 9 of 13.
Minimum lap for #5 Bar = 3'-5", #6 Bar = 3'-10"
Concrete Sealer shall be applied to the beam seat and front face of backwall and stem.
Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1/2", 1/4" and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of Pedestrian Truss Superstructure.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	12'-11"	
h1(E)	8	#6	8'-4"	
h2(E)	8	#6	15'-0"	
h3(E)	4	#5	4'-5"	
h4(E)	4	#5	17'-7"	
p(E)	20	#7	17'-7"	
s(E)	36	#4	17'-5"	
u(E)	12	#6	12'-10"	
v(E)	28	#5	10'-6"	U
v1(E)	12	#5	13'-6"	U
v2(E)	44	#5	8'-2"	
v3(E)	32	#5	3'-2"	F
Concrete Structures		Cu Yd	35.5	
Reinforcement Bars, Epoxy Coated		Pound	3,320	
Furnishing Metal Shell Piles 12" x 0.250"		Foot	685	
Driving Piles		Foot	685	
Test Pile Metal Shells		Each	2	
Concrete Sealer		Sq Ft	206	