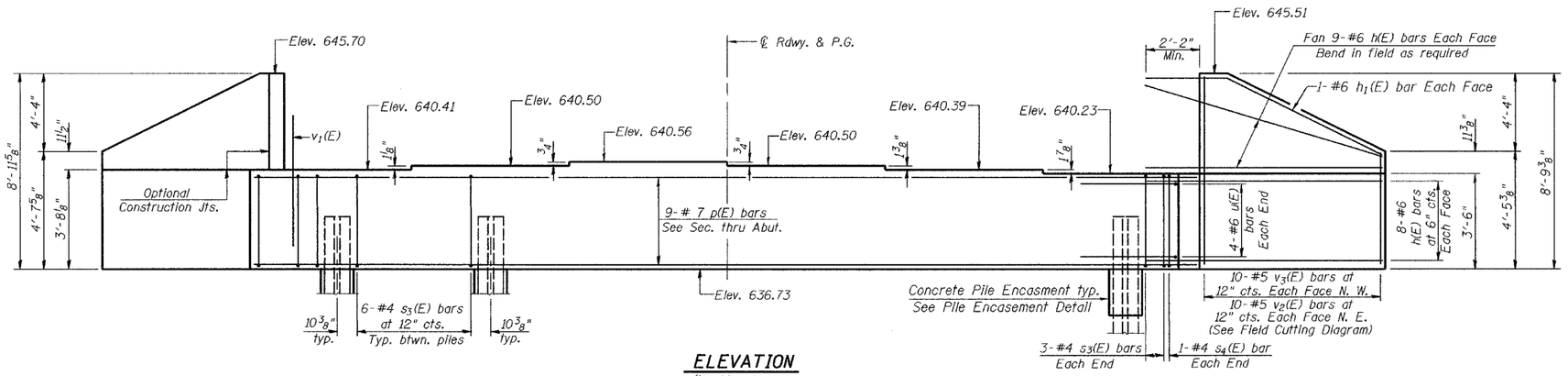
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

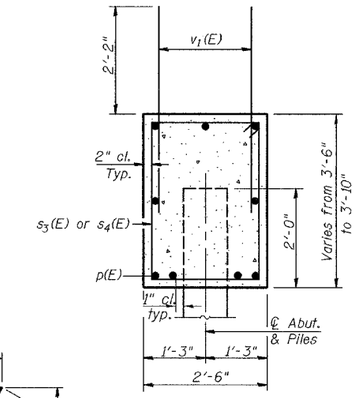
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 836	(119BR) BR	CHAMPAIGN		26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 15
21 SHEETS

Contract # 70355



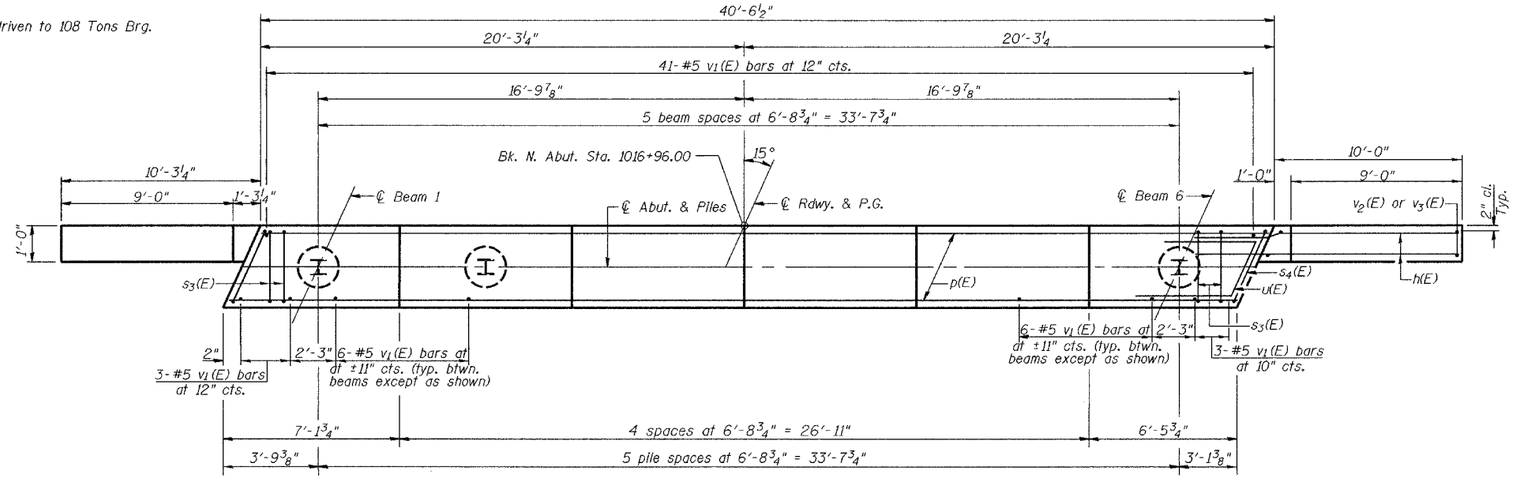
ELEVATION
(Looking North)



SEC. THRU ABUT.

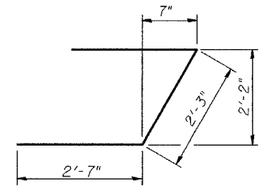
PILE DATA

Type: HP 12 x 63
Design Capacity: 72 Tons driven to 108 Tons Brg.
Est. Length: 75 Ft.
No. Required: 5+1 Test Pile

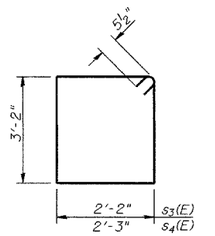


PLAN

Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.



BAR u(E)

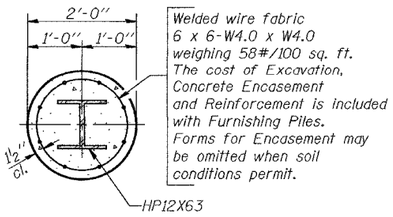


BARS s3(E) & s4(E)

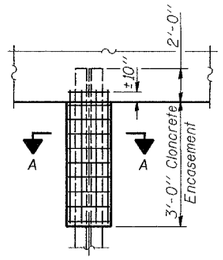
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	68	#6	13'-2"	
h1(E)	4	#6	13'-2"	
p(E)	9	#7	40'-2"	
s3(E)	36	#4	11'-7"	
s4(E)	2	#4	11'-9"	
u(E)	8	#6	7'-5"	
v1(E)	77	#5	4'-4"	
v2(E)	10	#5	12'-6"	
v3(E)	10	#5	12'-10"	
Concrete Structures			Cu. Yd.	19.2
Reinforcement Bars Epoxy Coated			Pound	3160
Structure Excavation			Cu. Yd.	249
Furnishing Steel Piles HP 12x63			Foot	375
Driving Steel Piles			Foot	375
Test Pile HP 12x63			Each	1

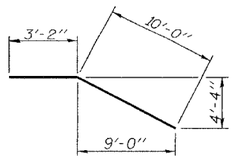
Reinforcement bars designated (E) shall be epoxy coated.



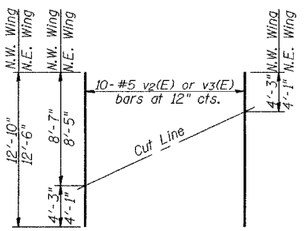
SECTION A-A



PILE ENCASEMENT DETAIL



BAR h1(E)



FIELD CUTTING DIAGRAM

Order v(E) full length. Cut as shown and use remainder of bars in opposite face.

DESIGNED	Philip E. Coppernoll
CHECKED	Ray Ahanchi
DRAWN	R. Sommer
CHECKED	P.E.C./G.R.A.

December 1 2004
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

NORTH ABUTMENT
F.A.P. RT. 836-SECTION (119BR)BR
CHAMPAIGN COUNTY
STATION 1015+21.00
STRUCTURE NO. 010-0280

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