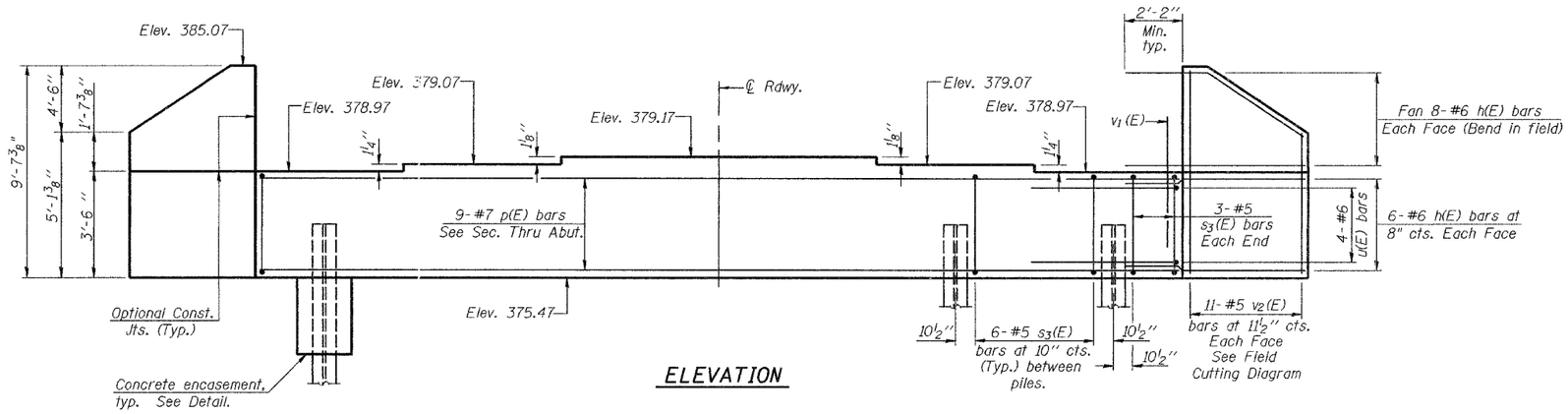
Note: Pour steps monolithically with cap.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

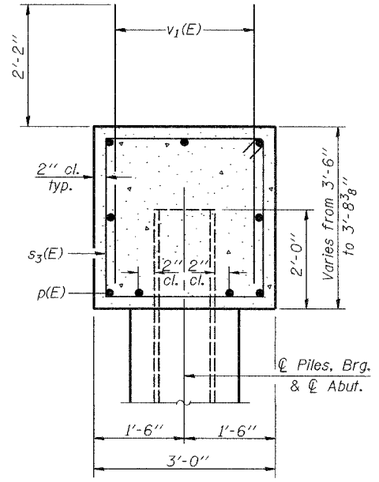
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 857	101BR-6	WHITE	100	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 17
27 SHEETS

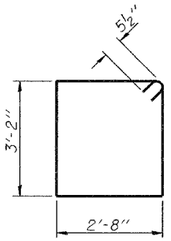
Contract #98960



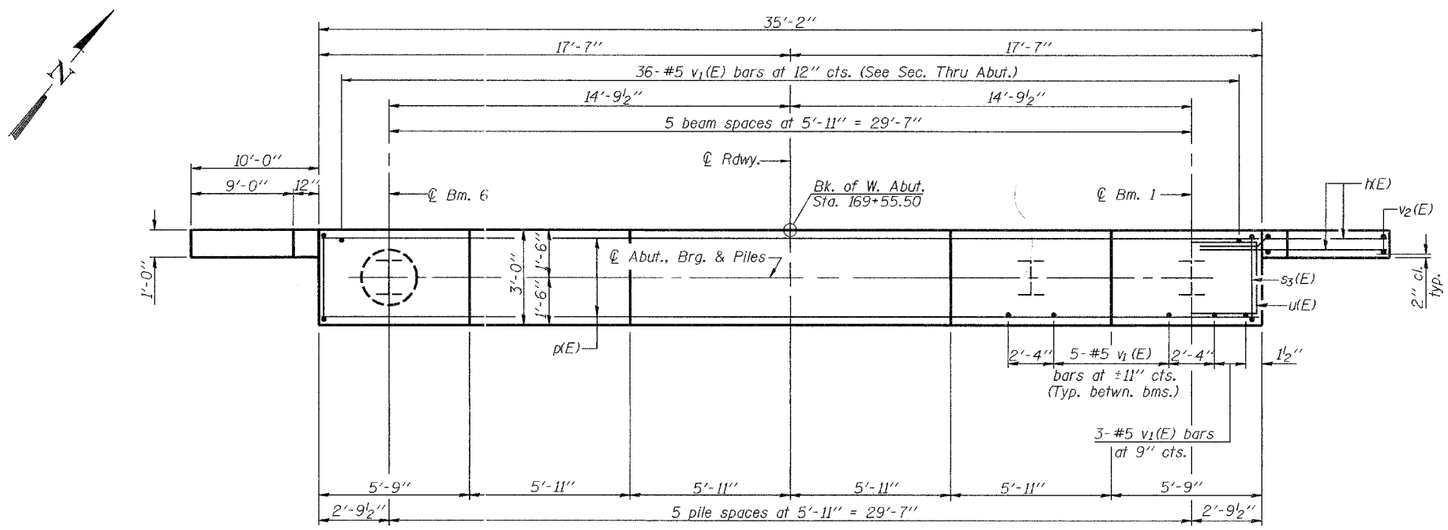
ELEVATION



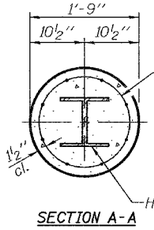
SEC. THRU ABUT.



BAR s3(E)

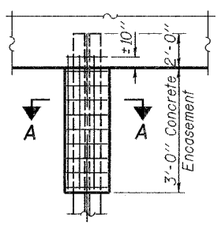


PLAN

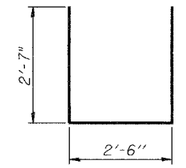


SECTION A-A

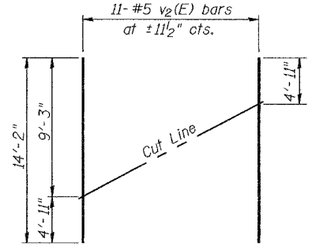
Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. The cost of Excavation and Reinforcement is included with Concrete Encasement. Forms for Encasement may be omitted when soil conditions permit.



PILE ENCASEMENT DETAIL



BAR u(E)



FIELD CUTTING DIAGRAM

Order $v_2(E)$ bars full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#6	13'-2"	——
p(E)	9	#7	34'-10"	——
s3(E)	36	#5	12'-7"	□
u(E)	8	#6	7'-8"	⊐
v1(E)	67	#5	4'-4"	——
v2(E)	22	#5	14'-2"	——
Concrete Structures		Cu. Yd.	18.4	
Reinforcement Bars, Epoxy Coated		Pound	2940	
Furnishing Steel Piles HP10 x 57		Foot	325	
Driving Piles		Foot	325	
Test Pile Steel HP10 x 57		Each	1	
Structure Excavation		Cu. Yd.	37.0	
Concrete Encasement		Cu. Yd.	1.5	

PILE DATA

Pile Type: Steel HP 10 x 57
Nominal Required Bearing: = 376 kips
Factored Resistance Available: = 188 kips
Est. Length: 65'
No. of Production Piles: 5
No. of Test Piles: 1

DESIGNED	W. A. Beisner
CHECKED	Fesseha Teklehaimanot
DRAWN	R. Sommer
CHECKED	WAB/FT

December 4 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

WEST ABUTMENT
F.A.P. RT. 857 SEC. 101BR-6
WHITE COUNTY
STATION 171+58.50
STRUCTURE NO. 097-0071

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