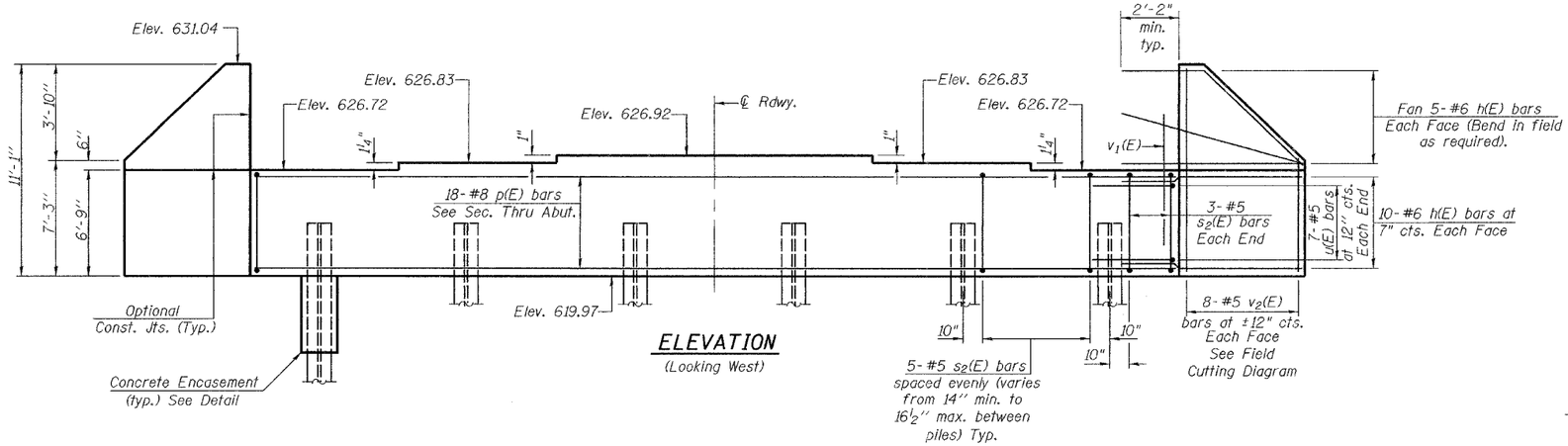
Notes:
Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
Space reinforcement in cap to miss anchor bolts.
For anchor bolt installation details see sheet 11 of 18.

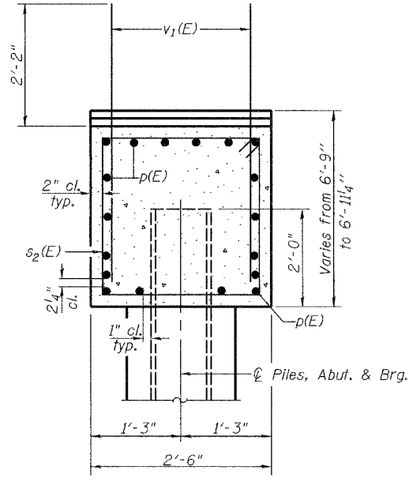
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	37-1HBR -1	HENRY	133	75
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

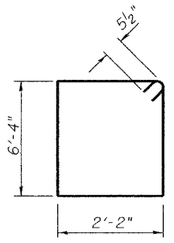
SHEET NO. 12
18 SHEETS

Contract #64602

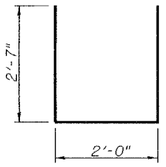




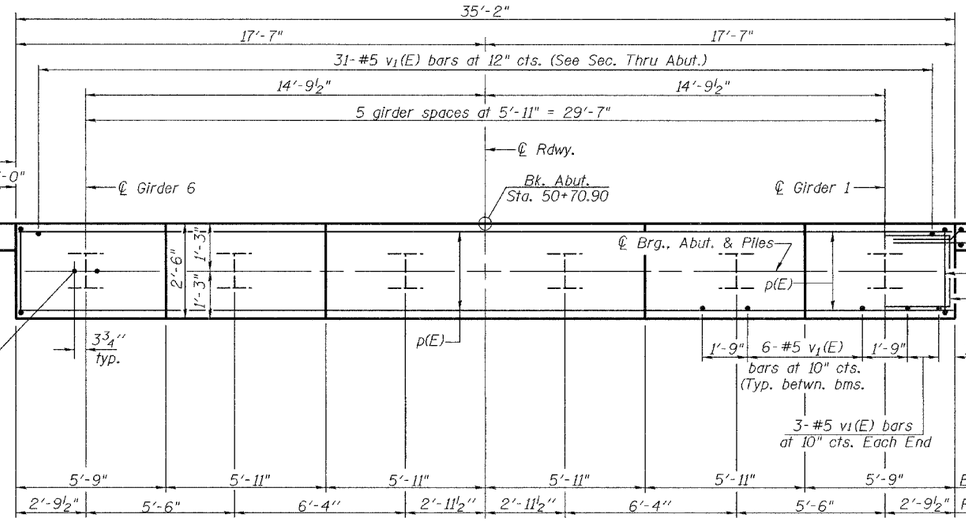
SEC. THRU ABUT.



BAR s2(E)



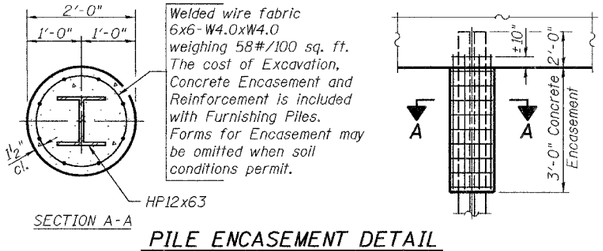
BAR u(E)



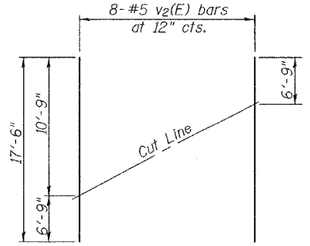
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	60	#6	11'-10"	——
p(E)	18	#8	34'-10"	——
s2(E)	31	#5	17'-11"	□
u(E)	14	#5	7'-2"	⊏
v1(E)	67	#5	4'-4"	——
v2(E)	16	#5	17'-6"	——
Concrete Structures		Cu. Yd.	28.4	
Reinforcement Bars, Epoxy Coated		Pound	4020	
Furnishing Steel Piles HP12x63		Foot	432	
Driving Piles		Foot	432	
Structure Excavation		Cu. Yd.	87.5	



PILE ENCASEMENT DETAIL



FIELD CUTTING DIAGRAM

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

PILE DATA

Type: Steel HP12x63
Nominal Required Bearing: 459 kips
Factored Resistance Available: 229.5 kips
Est. Length: 72'
No. of Production Piles: 6

DESIGNED	Michael D. Cima
CHECKED	Phillip R. Litchfield
DRAWN	R. Sommer
CHECKED	MDC/PRL

September 25 2006
EXAMINED Thomas J. Domagalski ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

WEST ABUTMENT
F.A.I. RT. 80 SEC. 37-1HBR-1
HENRY COUNTY
STATION 461+73.82
STRUCTURE NO. 037-0171

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