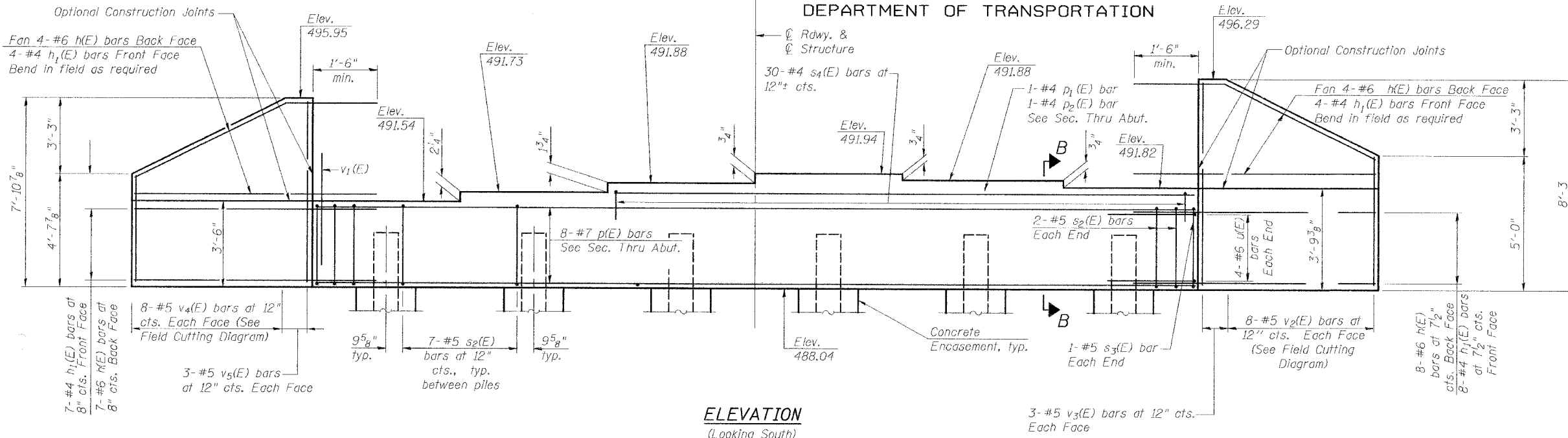


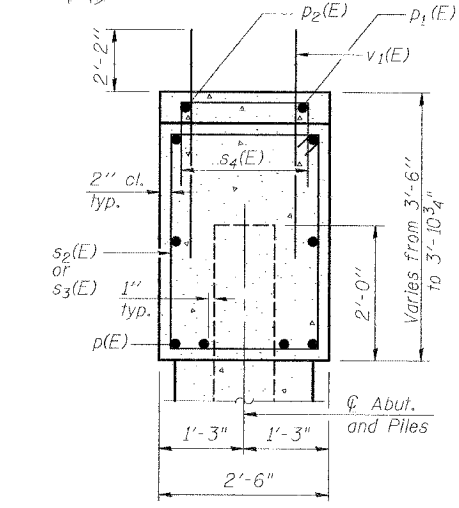
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13
F.A.S. 2826	110B-1	JEFFERSON	44	24	16 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

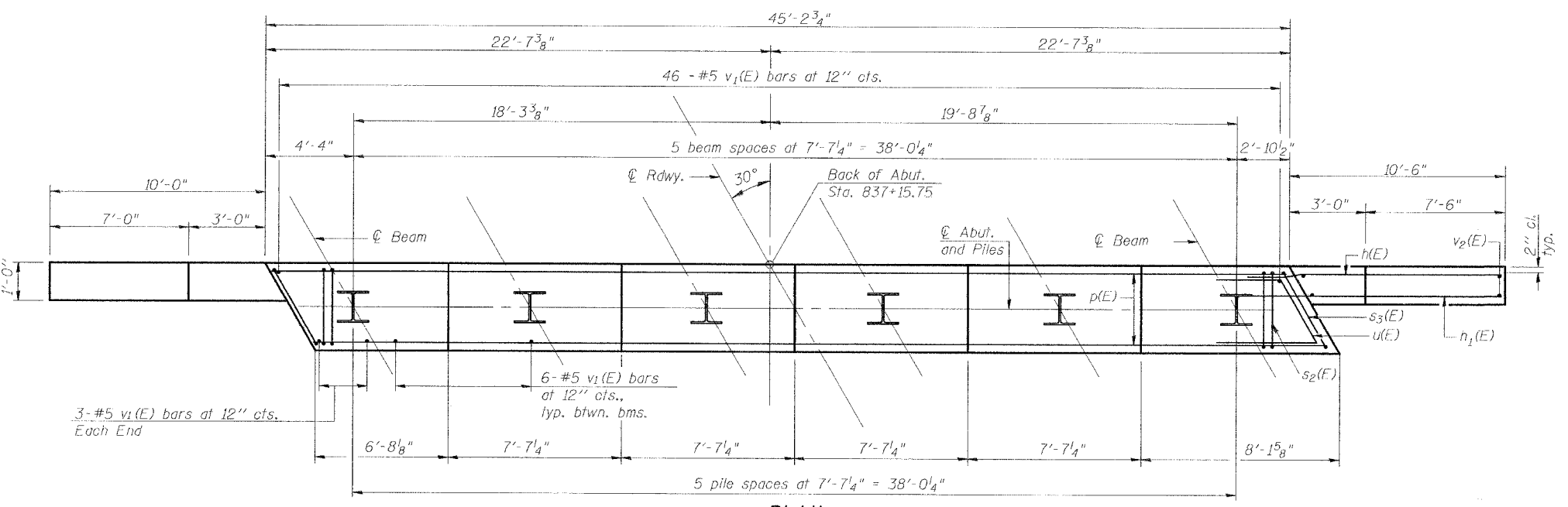
Contract 148013



ELEVATION
(Looking South)



SEC. B-B THRU ABUT.



PLAN

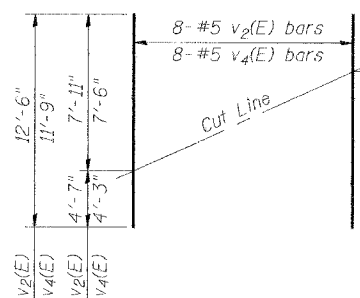
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	23	#6	12'-9"	—
h1(E)	23	#4	12'-9"	—
p(E)	8	#7	44'-10"	—
p1(E)	1	#4	30'-7"	—
p2(E)	1	#4	29'-1"	—
s2(F)	39	#5	11'-7"	□
s3(E)	2	#5	12'-3"	□
s4(E)	30	#4	5'-2"	□
u(E)	8	#6	7'-7"	∩
v1(E)	82	#5	4'-4"	—
v2(F)	8	#5	12'-6"	—
v3(E)	6	#5	7'-11"	—
v4(E)	8	#5	11'-9"	—
v5(E)	6	#5	7'-7"	—
Structure Excavation		Cu. Yd.	166	
Concrete Structures		Cu. Yd.	21.0	
Reinforcement Bars, Epoxy Coated		Pound	2,770	
Furnishing Steel Piles HP12x63		Foot	120	
Driving Piles		Foot	120	
Test Pile Steel HP12x63		Each	1	
Concrete Encasement		Cu. Yd.	2.1	

PILE DATA

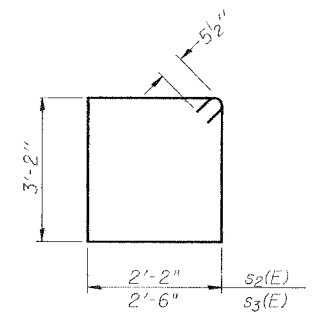
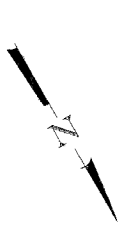
Type: Steel HP 12x63
Nominal Required Bearing: 497 Kips
Allowable Resistance Available: 166 Kips
Est. Length: 24 ft
No. Production Piles: 5
No. Test Piles: 1

DESIGNED	CMF
CHECKED	KCM
DRAWN	EJR
CHECKED	TMM

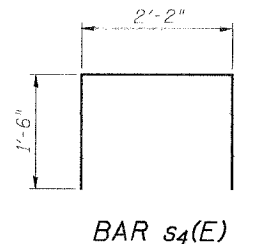


FIELD CUTTING DIAGRAM

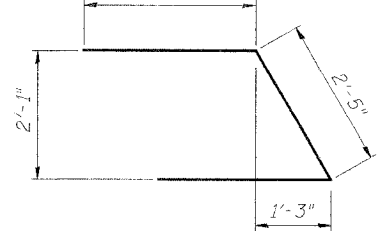
Order v2(E) and v4(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR s4(E)



BAR u(E)

Notes
Pour steps monolithically with cap.
The steel H-Piles shall be according to AASHTO M270 Grade 50.
The test pile(s) shall be driven to 110 percent of the Nominal Required Bearing indicated on the pile data information.

SOUTH ABUTMENT
IL ROUTE 37 OVER LIMESTONE CREEK
F.A.S. ROUTE 2826 SECTION 110B-1
JEFFERSON COUNTY
STA. 836+80
S.N. 041-0107

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PROFESSIONAL DESIGN NO. 184-002754