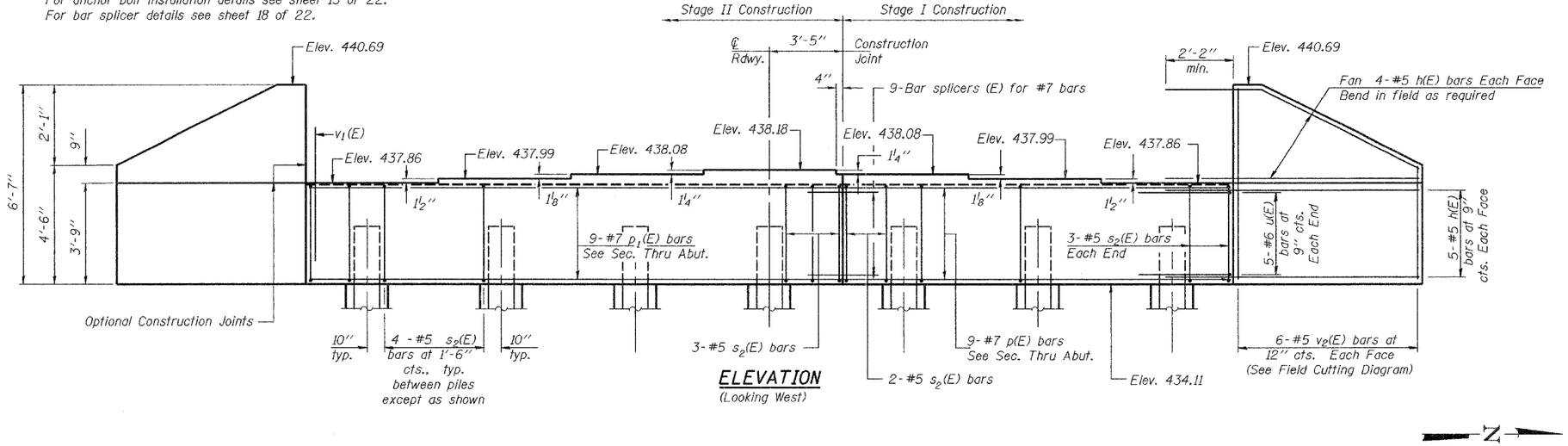
Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
Space reinforcement in cap to miss anchor bolts.
For anchor bolt installation details see sheet 13 of 22.
For bar splicer details see sheet 18 of 22.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

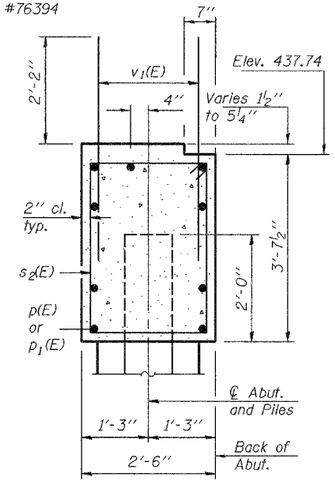
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1848	28-4BR	ST. CLAIR	101	81
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
22 SHEETS

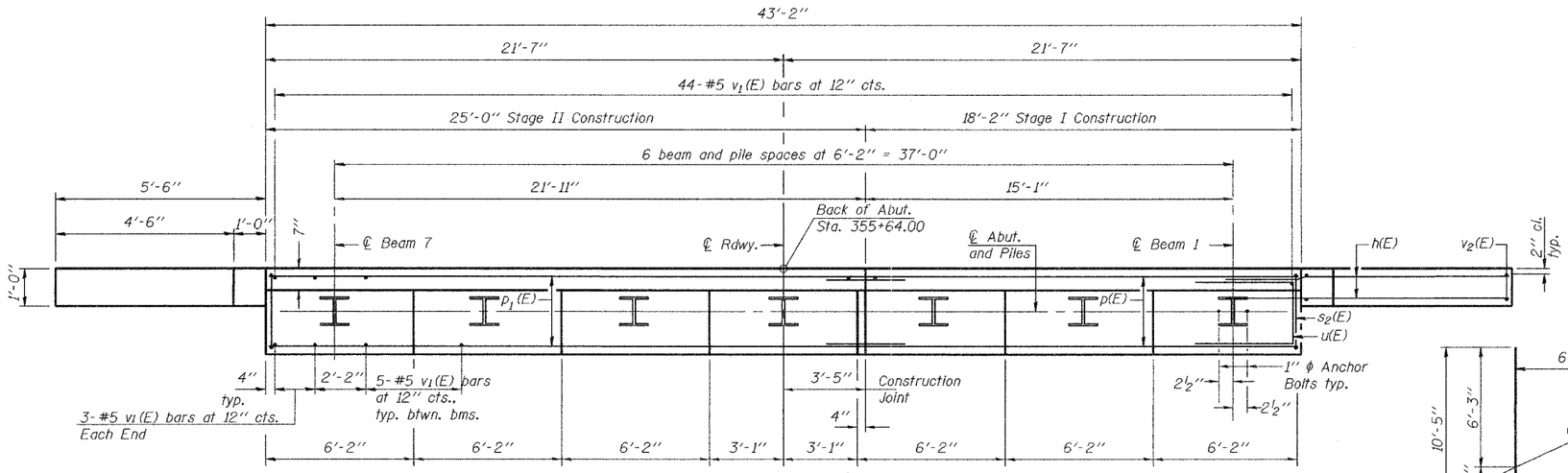
Contract #76394



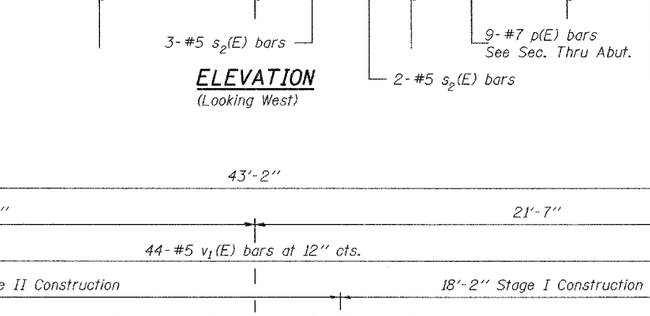
ELEVATION
(Looking West)



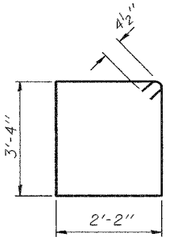
SEC. THRU ABUT.



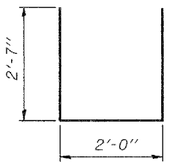
PLAN



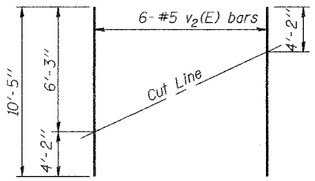
PILE ENCASEMENT DETAIL



BAR s2(E)



BAR u(E)



FIELD CUTTING DIAGRAM

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

PILE DATA

Type: Refusal HP12x74 with Pile Shoes
Nominal Required Bearing: 588.5 Tons
Nominal Design Capacity: 392.5 Tons
Est. Length: 55'
No. Required: 7

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#5	7'-6"	
p(E)	9	#7	17'-10"	
p1(E)	9	#7	24'-8"	
s2(E)	31	#5	11'-9"	
u(E)	10	#6	7'-2"	
v1(E)	80	#5	4'-4"	
v2(E)	12	#5	10'-5"	
Concrete Structures		Cu. Yd.	17.9	
Reinforcement Bars, Epoxy Coated		Pound	2,050	
Structure Excavation		Cu. Yd.	92.5	
Furnishing Steel Piles HP12x74		Foot	385	
Driving Piles		Foot	385	
Pile Shoes		Each	7	

DESIGNED	M.D. Cima
CHECKED	R.J.C.
DRAWN	W.D. Collins
CHECKED	M.D.C. R.J.C.

March 17, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

WEST ABUTMENT
F.A.S. ROUTE 1848 - SECTION 28-4BR
ST. CLAIR COUNTY
STATION 356+18.50
STRUCTURE NO. 082-0272

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