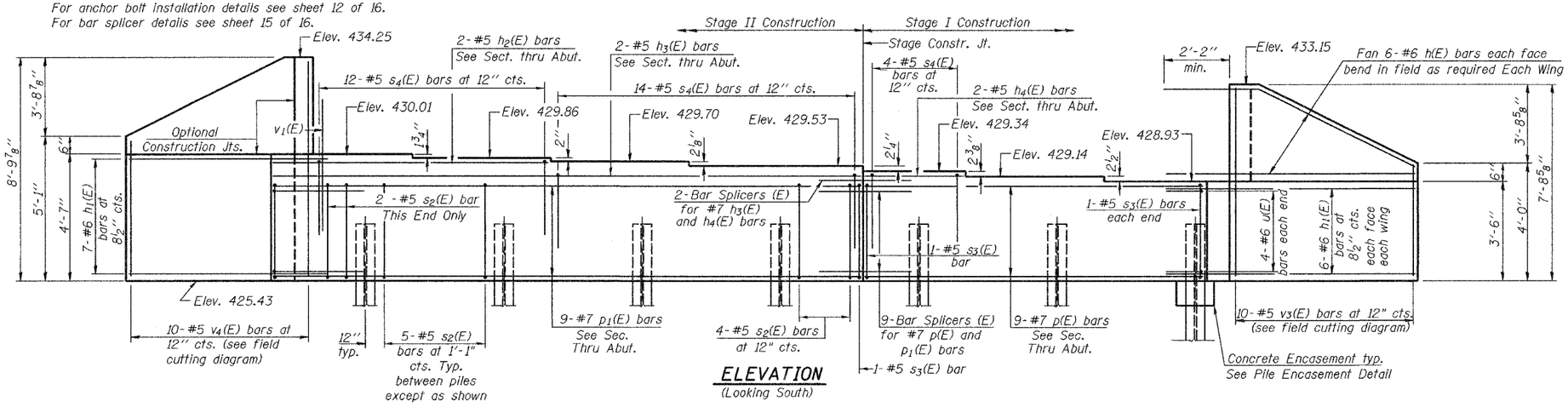
Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E) shall be epoxy coated.
Space reinforcement in cap to miss anchor bolts.
For anchor bolt installation details see sheet 12 of 16.
For bar splicer details see sheet 15 of 16.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

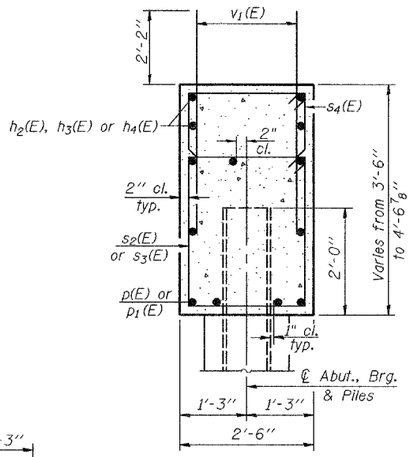
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 781	108B-1	CRAWFORD	38	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
16 SHEETS

Contract #94656

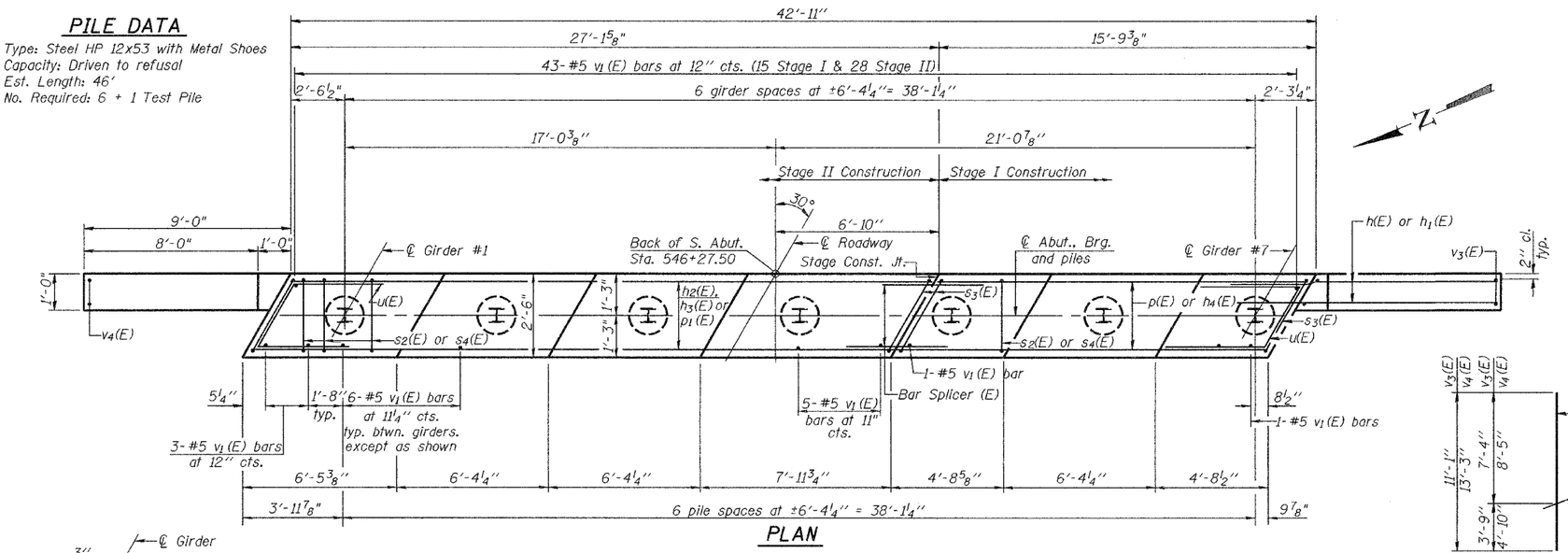


ELEVATION
(Looking South)



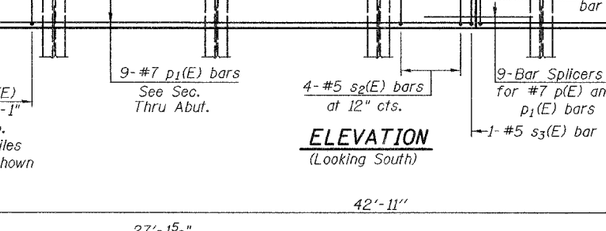
SEC. THRU ABUT.
Dim's. are at Rt. L's.

PILE DATA
Type: Steel HP 12x53 with Metal Shoes
Capacity: Driven to refusal
Est. Length: 46'
No. Required: 6 + 1 Test Pile

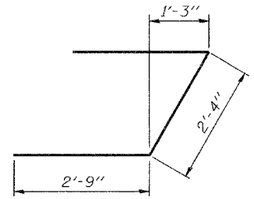


PLAN

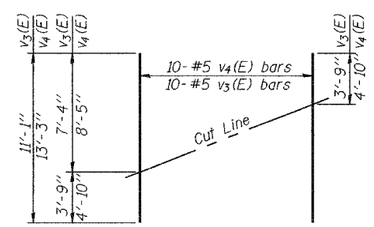
ANCHOR BOLT DETAIL



PILE ENCASEMENT DETAIL



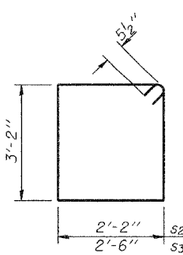
BAR u(E)



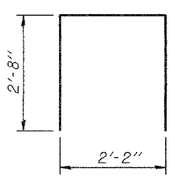
FIELD CUTTING DIAGRAM
Order v3(E) and v4(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	11'-10"	——
h1(E)	24	#6	11'-2"	——
h2(E)	2	#5	12'-6"	——
h3(E)	2	#5	18-9"	——
h4(E)	2	#5	4'-5"	——
p(E)	9	#7	15'-6"	——
p1(E)	9	#7	26'-10"	——
s2(E)	31	#5	11'-7"	⊓
s3(E)	4	#5	12'-3"	⊓
s4(E)	30	#5	7'-6"	⊓
u(E)	8	#6	7'-10"	⌐
v1(E)	83	#5	4'-4"	——
v3(E)	10	#5	11'-1"	——
v4(E)	10	#5	13'-3"	——
Concrete Structures			Cu. Yd.	20.0
Reinforcement Bars, Epoxy Coated			Pound	3070
Structure Excavation			Cu. Yd.	185.4
Furnishing Steel Piles HP12x53			Foot	276
Driving Steel Piles			Foot	276
Test Pile Steel HP12x53			Each	1
Metal Shoes			Each	6



BARS s2(E) & s3(E)



BARS s4(E)

DESIGNED	W. Beisner
CHECKED	Chi-Cheung Chau
DRAWN	R. Dalsin
CHECKED	C.C.C./S.J.B./S.M.R.

December 13 2005
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SOUTH ABUTMENT
F.A.P. ROUTE 781 - SECTION 108B-1
CRAWFORD COUNTY
STATION 545+80.00
STRUCTURE NO. 017-0030

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