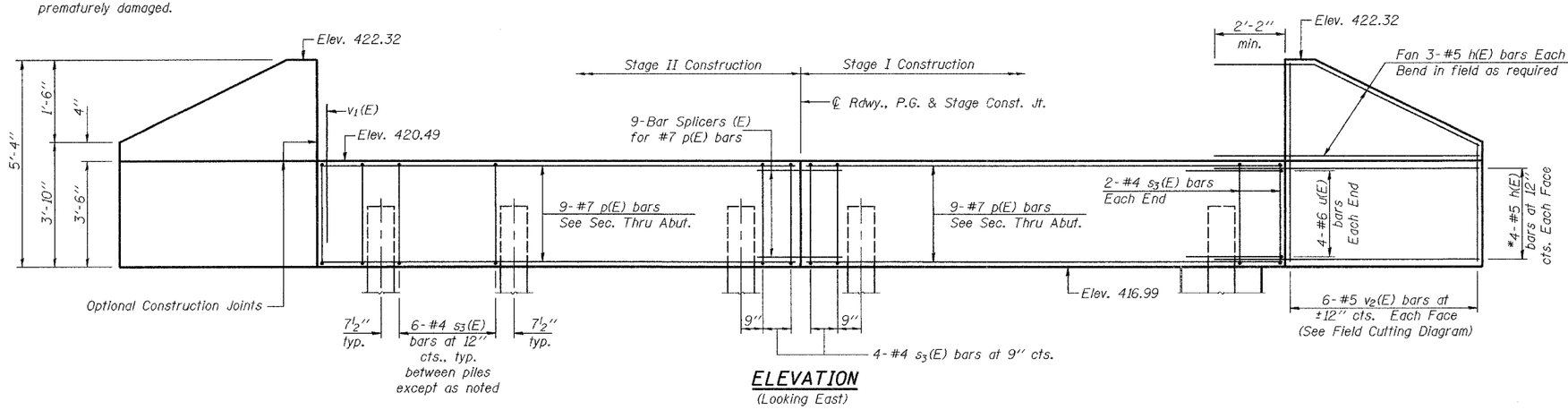
Notes: For bar splicer details see sheet 10 of 11.
Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

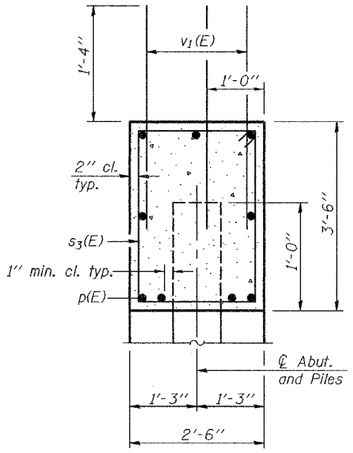
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 9079	65BR	MADISON	46	24
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 7 11 SHEETS

Contract 76136



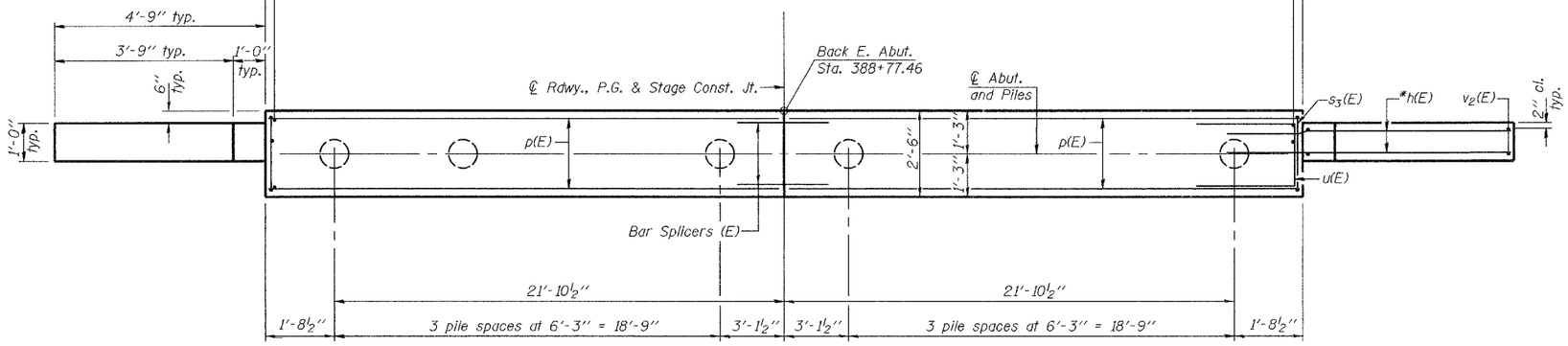
ELEVATION
(Looking East)



SEC. THRU ABUT.

PILE DATA

Pile Type and Size: Metal Shell - 12" dia. x 0.179" walls
Nominal Required Bearing: 210 kips
Allowable Resistance Available: 70 kips
Est. Pile Length: 30'
No. Production Piles: 8
No. Test Piles: 0

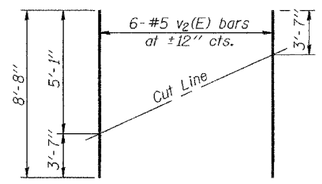


PLAN

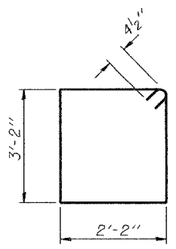
*If h(E) bars interfere with metal shells, cut h(E) bars in field to fit.

BILL OF MATERIAL

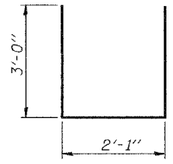
Bar	No.	Size	Length	Shape
h(E)	28	#5	7'-3"	
p(E)	18	#7	23'-4"	
s3(E)	48	#4	11'-5"	
u(E)	8	#6	8'-1"	
v1(E)	144	#5	3'-6"	
v2(E)	12	#5	8'-8"	
Concrete Structures			Cu. Yd.	17.0
Reinforcement Bars, Epoxy Coated			Pound	2170
Structure Excavation			Cu. Yd.	80
Furnishing Metal Pile Shells 12" ϕ			Foot	240
Driving Piles			Foot	240



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



BAR s2(E)



BAR u(E)

DESIGNED	R.L.T.
CHECKED	J.P.A. & T.R.B.
DRAWN	BECKY M. LEACH
CHECKED	R.L.T. & G.R.A.

November 22, 2006
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

EAST ABUTMENT
F.A.U. ROUTE 9079 - SECTION 65BR
MADISON COUNTY
STATION 388+43.96
STRUCTURE NO. 060-0236

...\projects\bm100629\0600236.dgn 11/21/2006 3:55:27 PM