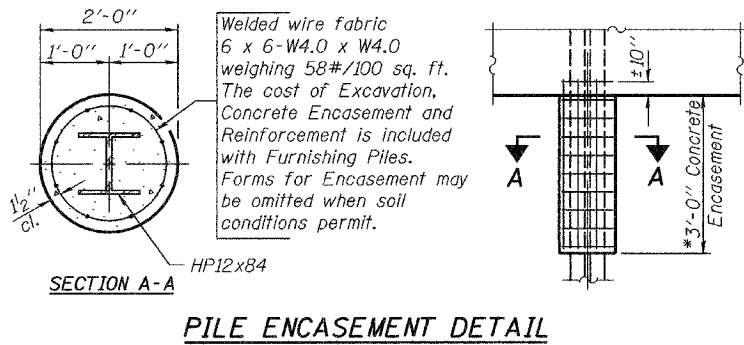


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

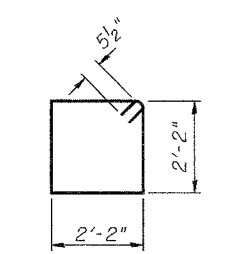
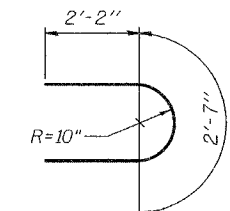
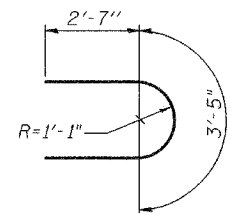
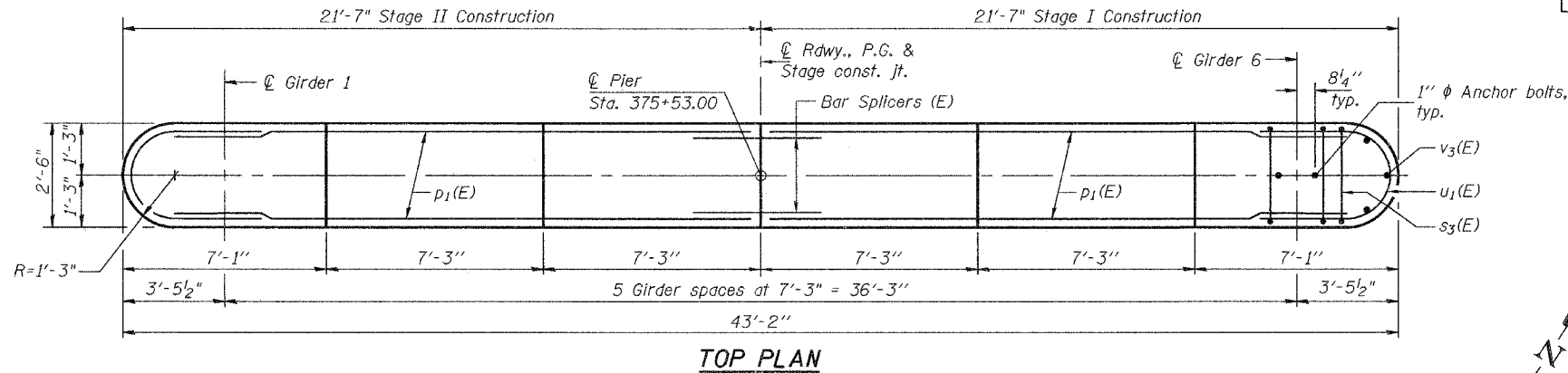
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14 17 SHEETS
FAP 327	13B-1 & 13B-2	MARION	78	48	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #94964

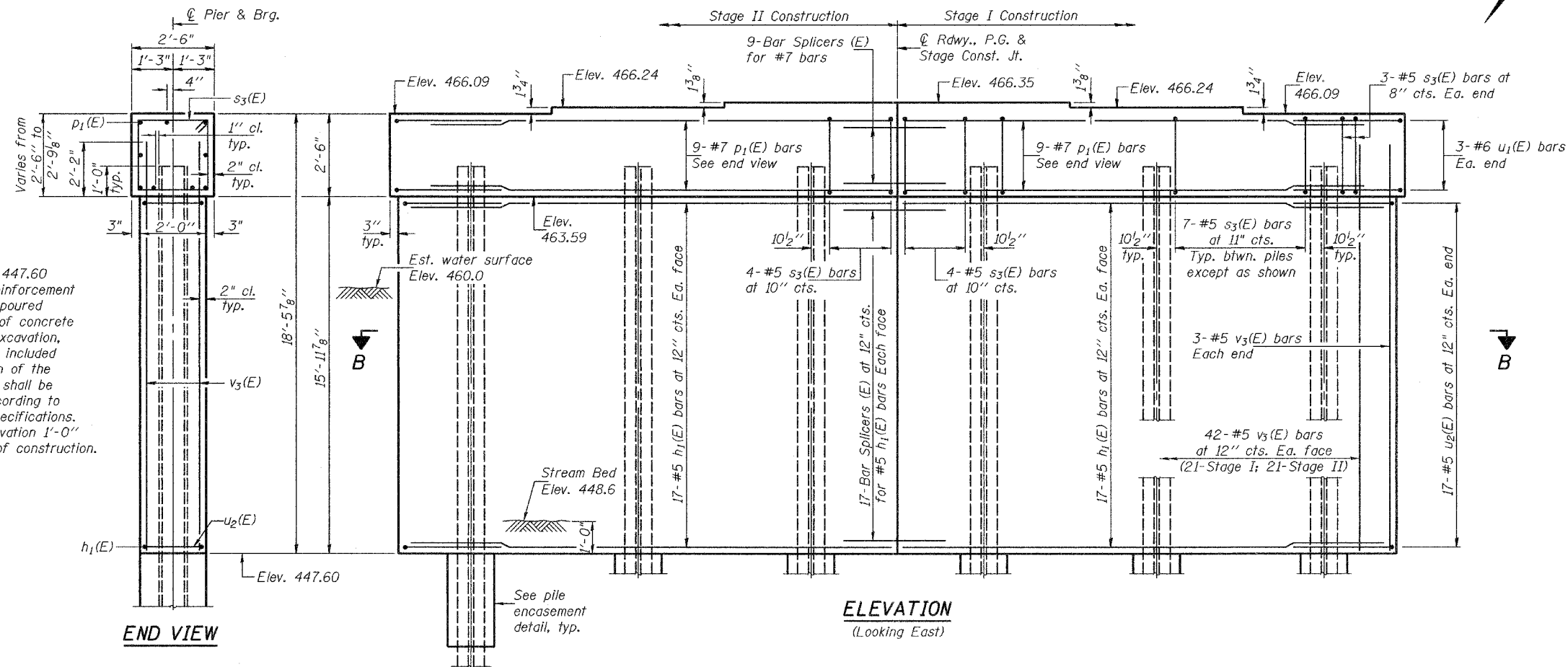


PILE DATA

Type: Steel HP12x84
Nominal Required Bearing: 690 tons (Refusal)
Nominal Design Capacity: 451 tons
Est. Length: 95'
No. required: 5 + 1 test pile



* Forms shall be placed below Elev. 447.60 after excavation for pier wall. Reinforcement and concrete encasement shall be poured underwater into forms. The cost of concrete encasement, reinforcement, form excavation, and furnishing and placing form is included with Furnishing Piles. If a portion of the pier wall is under water, concrete shall be trimmed under water into forms according to Article 503.08 of the Standard Specifications. Concrete shall be trimmed to an elevation 1'-0" above the water level at the time of construction.

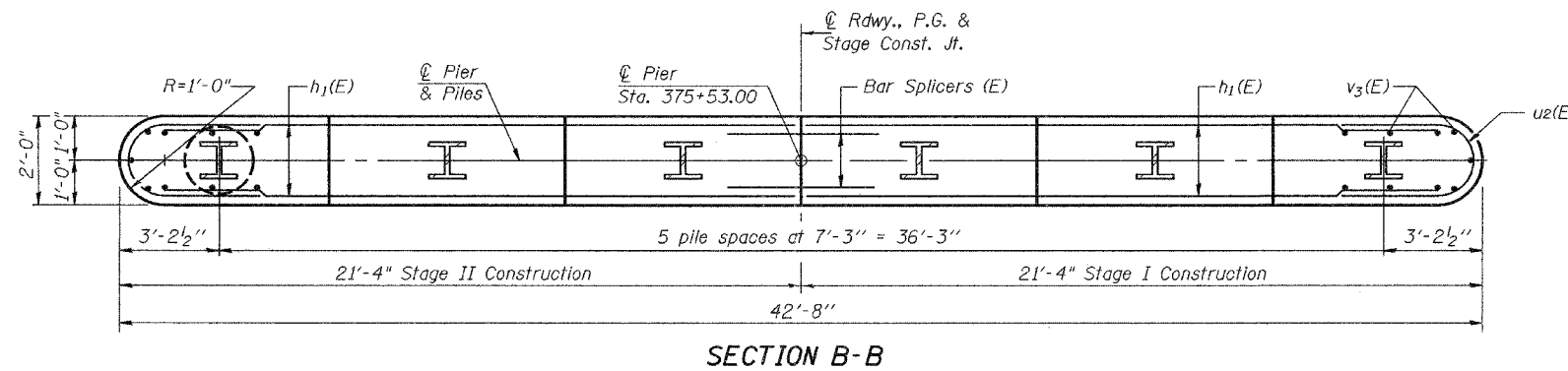


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	68	#5	20'-2"	—
p1(E)	18	#7	20'-2"	—
s3(E)	42	#5	9'-7"	□
u1(E)	6	#6	8'-7"	U
u2(E)	34	#5	6'-11"	U
v3(E)	90	#5	18'-0"	—
Concrete Structures	Cu. Yd.		60.4	
Reinforcement Bars, Epoxy Coated	Pound		4600	
Structure Excavation	Cu. Yd.		10.4	
Furnishing Steel	Foot		475	
Piles HP12x84	Foot		475	
Driving Steel Piles	Foot		475	
Test Pile Steel HP12x84	Each		1	
Underwater Structure Excavation Protection Location 3	Each		1	

Reinforcement Bars designated (E) shall be epoxy coated.

Notes: Four steps monolithically with cap.
For bar splicer details, see sheet 15 of 17.
For anchor bolt installation details, see sheet 11 of 17.



PIER
F.A.P. RTE. 327 - SEC. 13B-1 & 13B-2
MARION COUNTY
STATION 375+53.00
STRUCTURE NO. 061-0091

DESIGNED	R.L.M.
CHECKED	G.R.A.
DRAWN	h.t. duong
CHECKED	R.L.M./G.R.A.

Feb 2, 2006
EXAMINED *Thomas J. Demagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES