

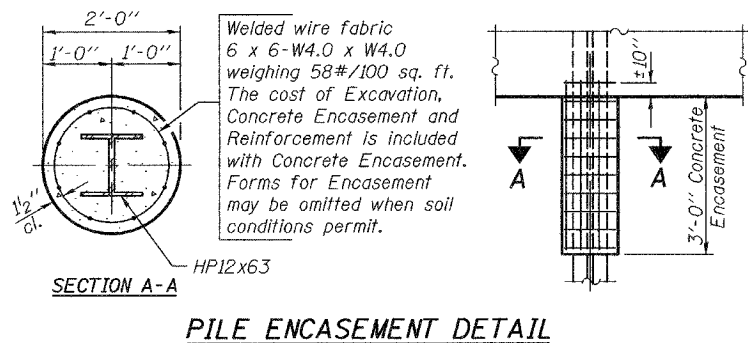
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 314	108BR-1	MADISON	123	45
FED. ROAD DIST. NO. 7		BLINDS	FED. AID PROJECT	

SHEET NO. 17

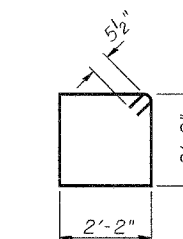
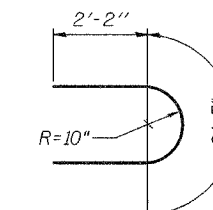
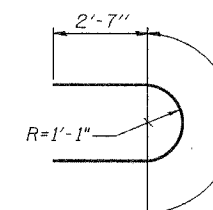
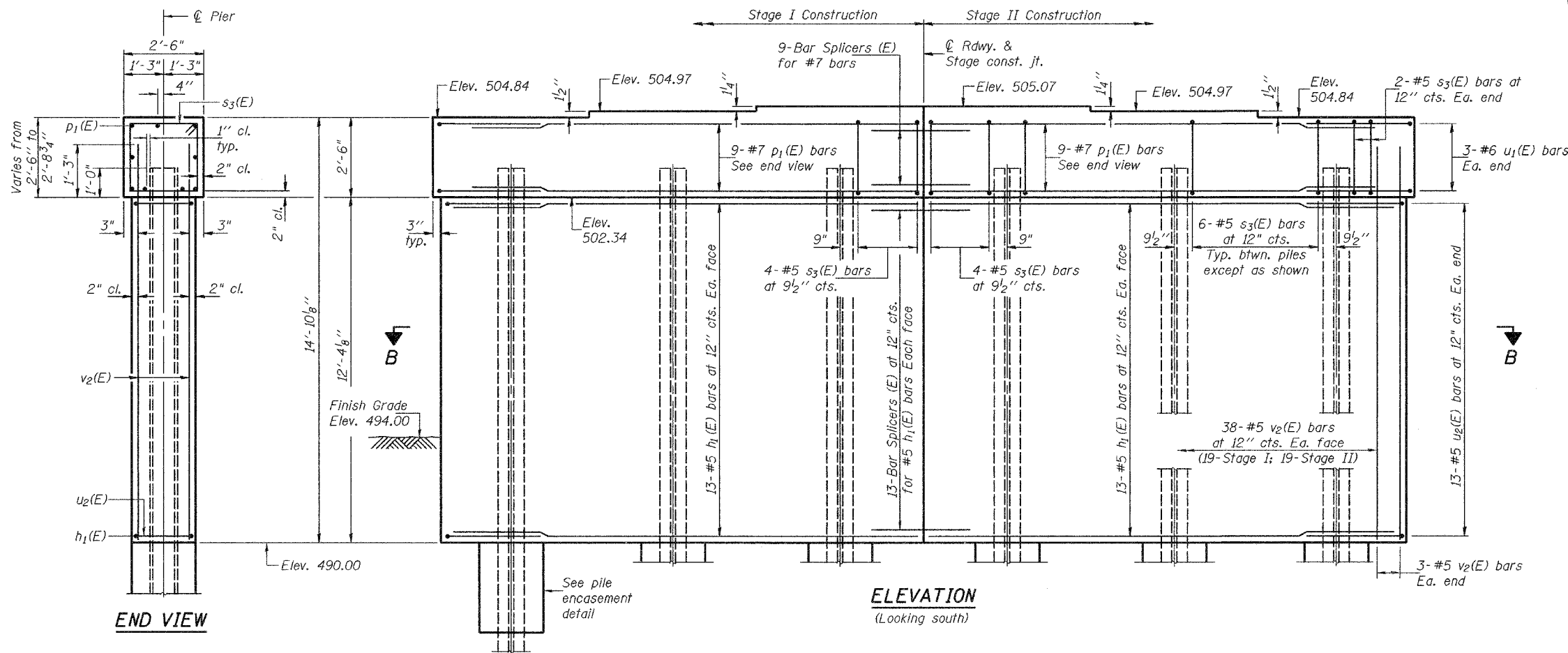
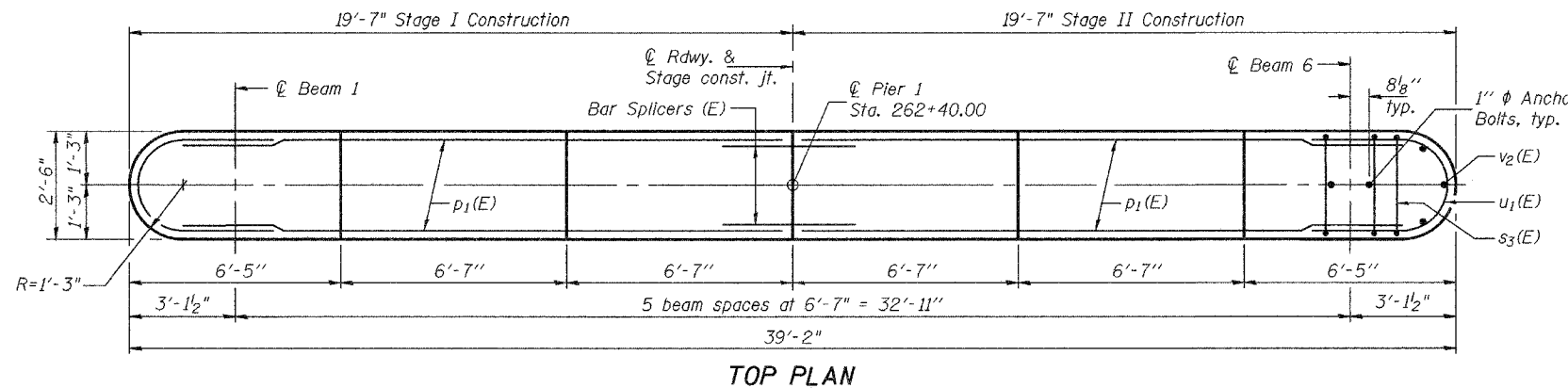
29 SHEETS

Contract #76454



PILE DATA

Type: Steel HP12x63 w/metal shoes
Nominal Required Bearing: 497 tons (Refusal)
Nominal Design Capacity: 331 tons
Est. Length: 102 feet

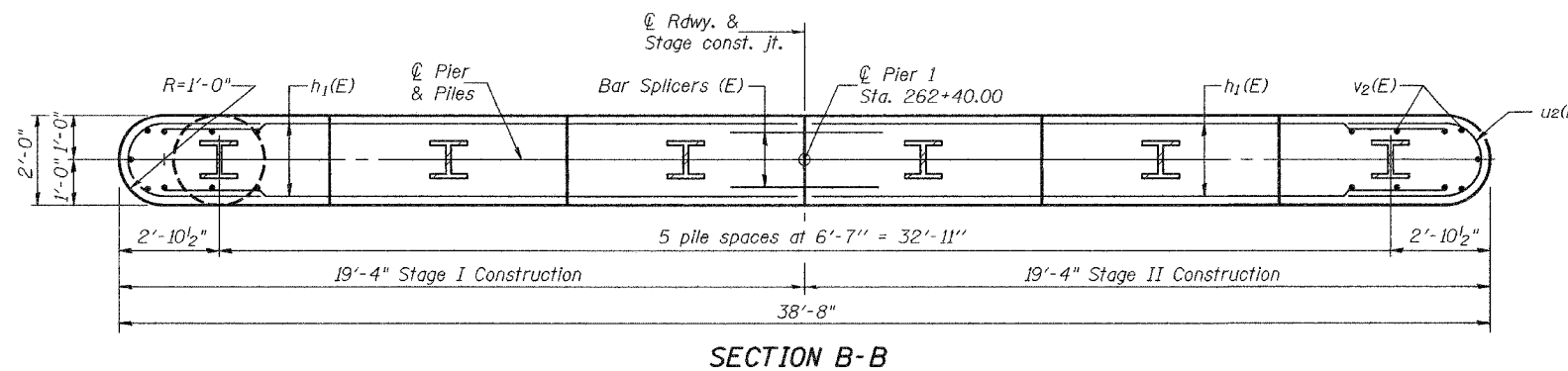


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	52	#5	18'-2"	—
p ₁ (E)	18	#7	18'-2"	—
s ₃ (E)	36	#5	9'-7"	□
u ₁ (E)	6	#6	8'-7"	U
u ₂ (E)	26	#5	6'-11"	U
v ₂ (E)	82	#5	13'-5"	—
Concrete Structures		Cu. Yd.	44.3	
Reinforcement Bars, Epoxy Coated		Pound	3430	
Structure Excavation		Cu. Yd.	37.9	
Furnishing Steel		Foot	612	
Piles HP12x63		Foot	612	
Driving Steel Piles		Foot	612	
Metal Shoes		Each	6	
Concrete Encasement		Cu. Yd.	2.0	

Reinforcement Bars designated (E) shall be epoxy coated.

Notes: Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap. For bar splicer details, see sheet 21 of 29. For anchor bolt installation details, see sheet 14 of 29.



DESIGNED	Curt M. Evoy
CHECKED	Tom L. Kurtenbach
DRAWN	h.t. duong
CHECKED	CME/TLK

November 17, 2005

EXAMINED *Thomas J. Damagala*
ENGINEER OF BRIDGE DESIGN

PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

PIER 1
F.A.P. RTE. 314 - SEC. 108BR-1
MADISON COUNTY
STATION 263+51
STRUCTURE NO. 060-0334