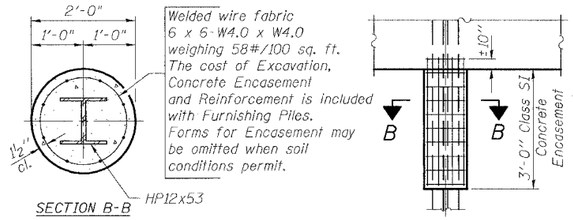
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

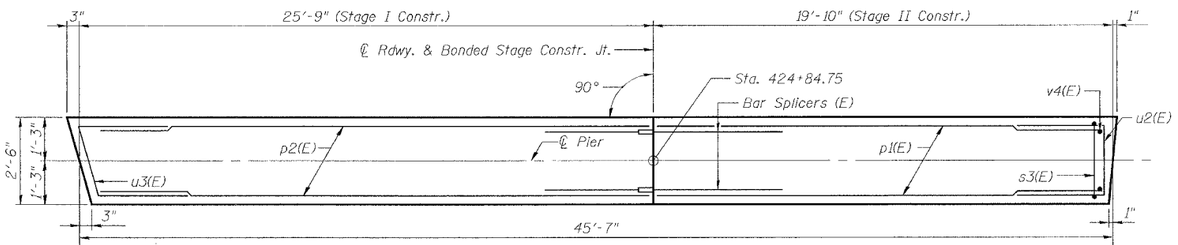
SHEET 9 OF 14

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 653	105 BR-2	PUTNAM		29
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJ.	

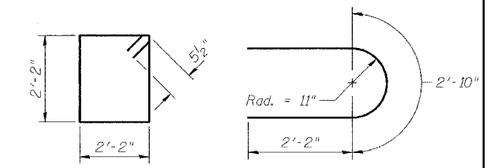
CONTRACT NO. 66284



PILE ENCASEMENT DETAIL

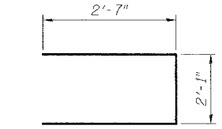


TOP PLAN

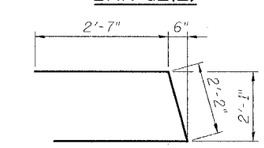


BAR s3(E)

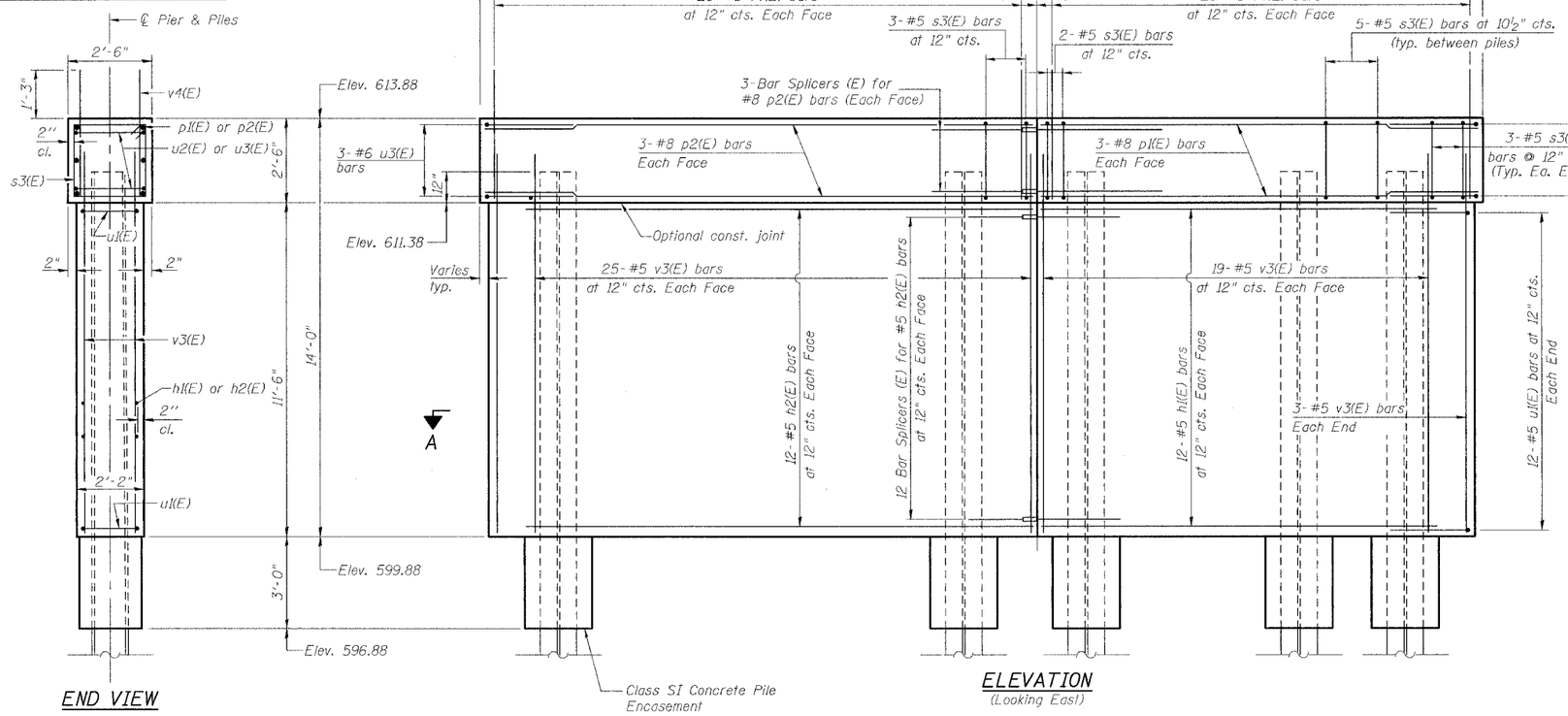
BAR u1(E)



BAR u2(E)



BAR u3(E)



END VIEW

ELEVATION
(Looking East)

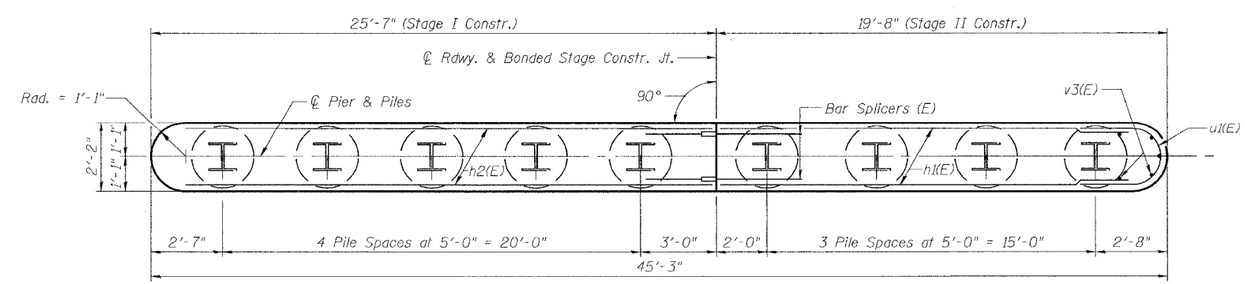
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	24	#5	18'-5"	
h2(E)	24	#5	24'-5"	
p1(E)	6	#8	19'-5"	
p2(E)	6	#8	25'-3"	
s3(E)	46	#5	9'-7"	
u1(E)	24	#5	7'-2"	
u2(E)	3	#6	7'-3"	
u3(E)	3	#6	7'-4"	
v3(E)	94	#5	13'-0"	
v4(E)	92	#5	3'-7"	
Concrete Structures			Cu. Yd.	51.9
Reinforcement Bars, Epoxy Coated			Pound	4120
Structure Excavation			Cu. Yd.	22
Underwater Structure Excavation Prot. - Location 1			Each	1
Furnishing Steel Piles HP12x53			Foot	440
Driving Steel Piles			Foot	440
Test Pile Steel HP12x53			Each	1

Reinforcement Bars designated (E) shall be epoxy coated.

PILE DATA

Type: Steel HP12x53
Capacity: 64 tons
Drive to 96 tons bearing
Est. Length: 55'
No. Req'd: 8+1 Test Pile



SECTION A-A

DESIGNED	CDB
CHECKED	DCD
DRAWN	SJS
CHECKED	CDB/DCD

PIER 1
ILLINOIS 18 OVER
LITTLE SANDY CREEK
FAP ROUTE 653 SECTION 105 BR-2
PUTNAM COUNTY
STATION 425+08.00
STRUCTURE NO. 078-0039

DATE: 07\01\2004 - 11:50:24 USER: SJS FILE: m:\projects\IL-18\V09pier1.dgn