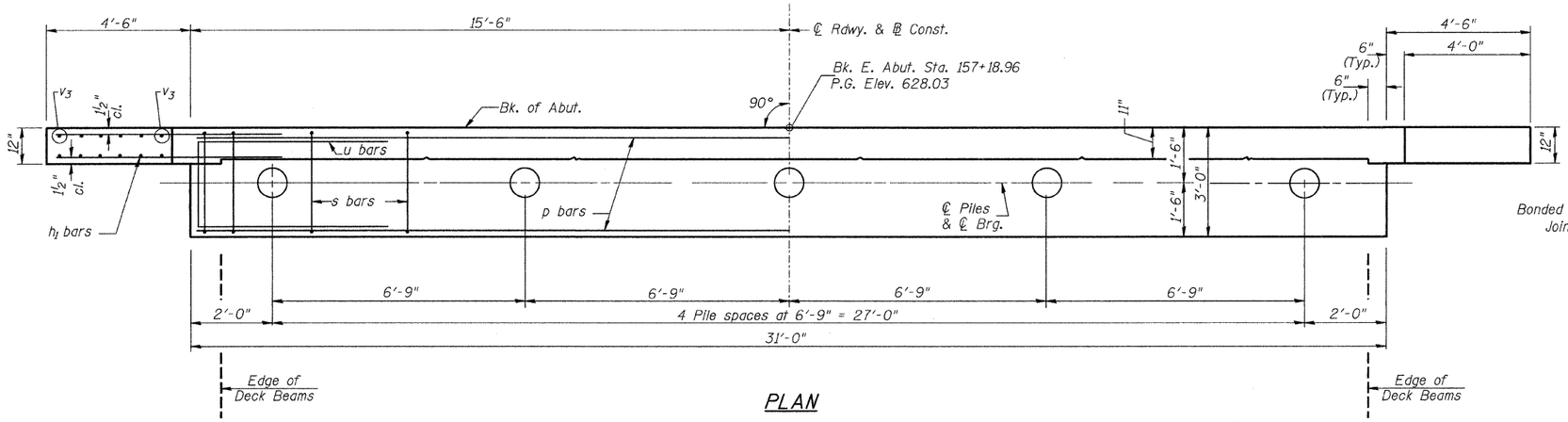
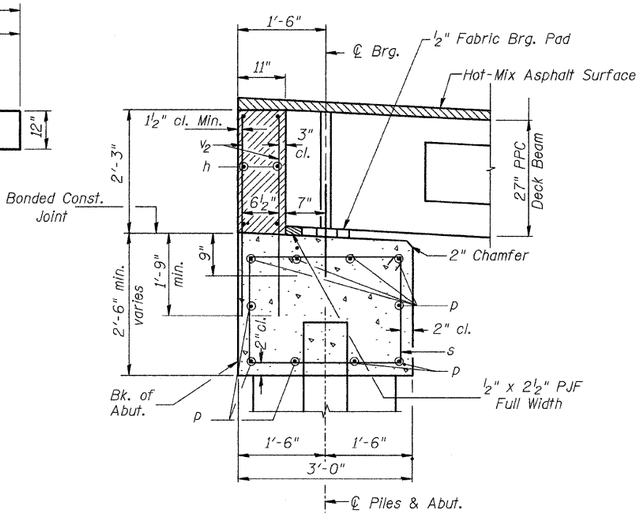
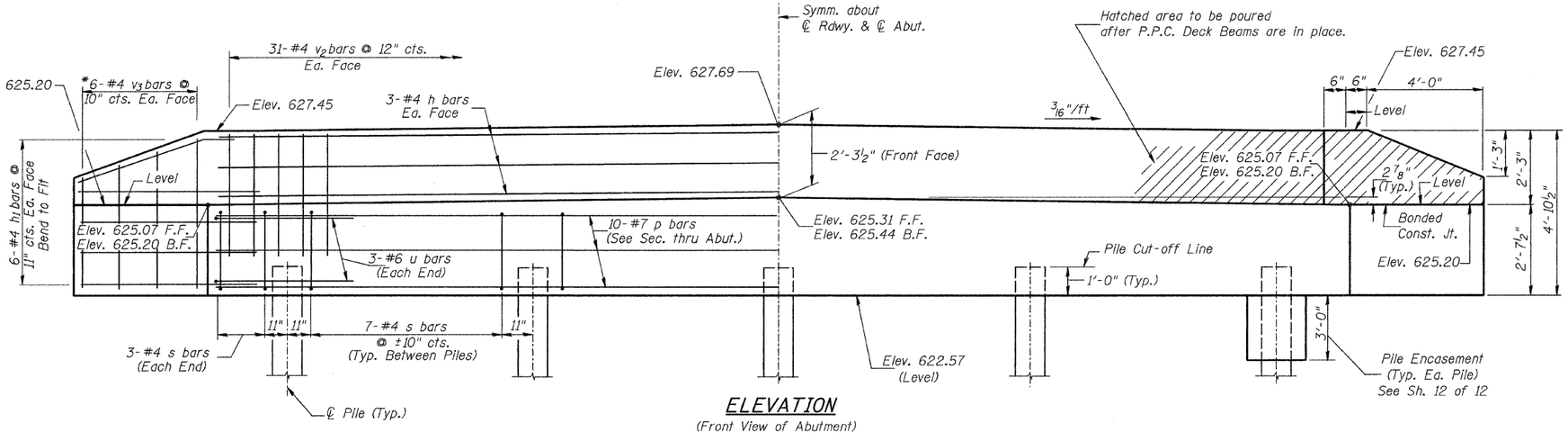


PLAN



SECTION THRU ABUT.



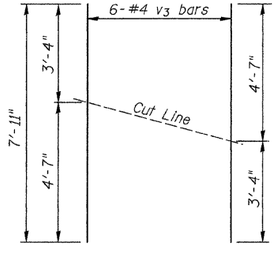
ELEVATION

(Front View of Abutment)

EAST ABUTMENT BILL OF MATERIAL

	BAR	NO.	SIZE	LENGTH	SHAPE
	h	6	#4	30'-9"	——
	h1	24	#4	6'-6"	——
	p	10	#7	30'-9"	——
	s	34	#4	10'-5"	□
	u	6	#6	11'-7"	⊏
	v2	62	#4	4'-0"	——
	v3	12	#4	7'-11"	——
	Concrete Structures			CU YD	13.0
	Reinforcement Bars			POUND	1,430
	Structure Excavation			CU YD	40
	Furnishing Metal Shell Piles 12"x0.250"			FOOT	232
①	Driving Piles			FOOT	232
①	Test Pile Metal Shells			EACH	1
	Concrete Encasement			CU YD	1.3

① See Special Provisions



BAR CUTTING DIAGRAM

*Order v3 bars full length. Cut as shown and use remainder of bars in opposite face.

DESIGN STRESSES

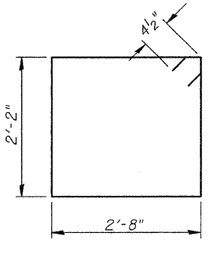
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i.

NOTES

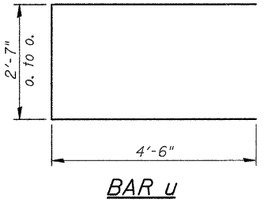
1. The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Reinforcement bars shall conform to ASTM A706 Grade 60.

PILE DATA

Type & Size: Metal Shell 12"x0.250"
Nominal Required Bearing: 290 kips
Factored Resistance Available: 145 kips
Est. Length: 58'
No. Req'd.: 5 (Includes 1 Test Pile)



BAR s



BAR u

EAST ABUTMENT
MORGAN COUNTY
SECTION 07-00099-00-BR
C.H. 28 OVER HENRY CREEK

SHEET NO. 9	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	CH 28	07-00099-00-BR	MORGAN	48	17
		SN 069-3267	CONTRACT NO. 93545		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-0609(109)		

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