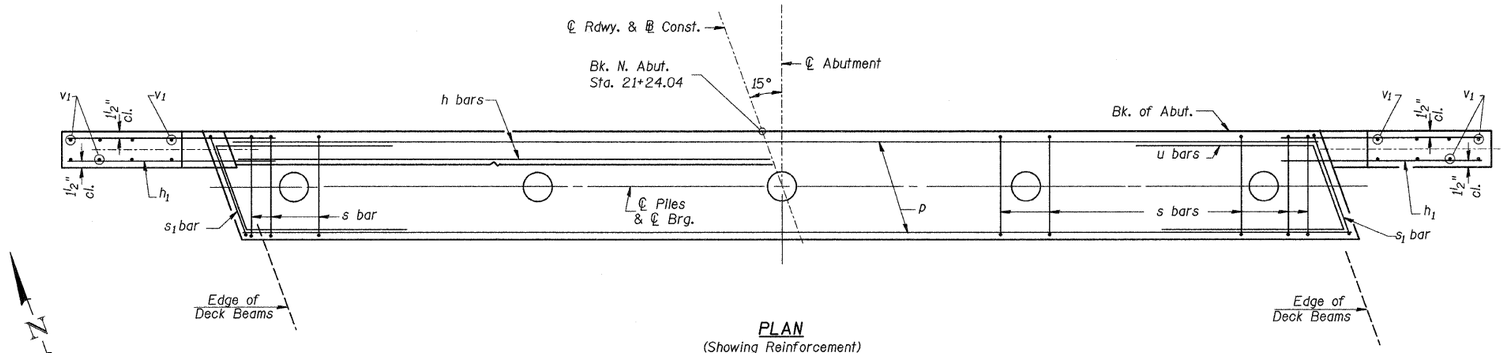
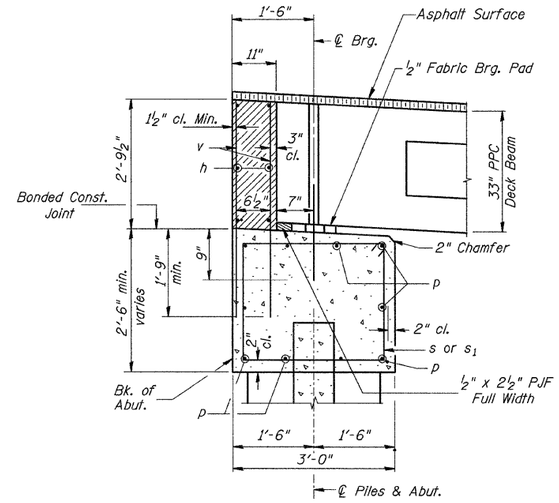
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 134A	*	MORGAN	28	15
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT BROS-0137(027)	

*06-06120-00-BR CONTRACT # 93481

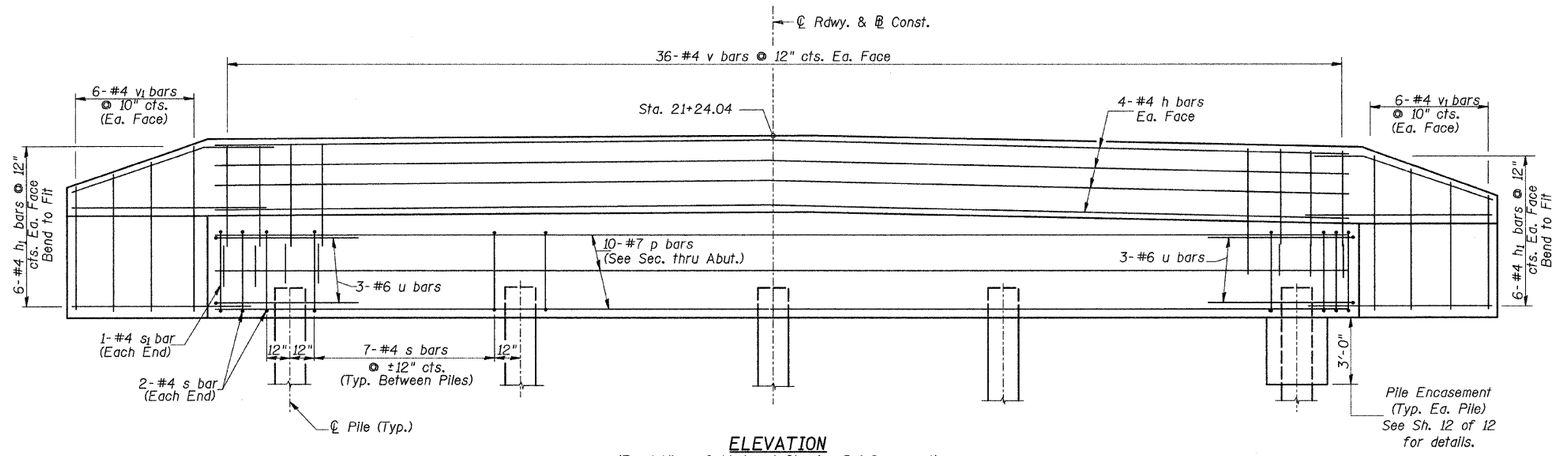
SHEET NO. 9 OF 12 SHEETS



PLAN
(Showing Reinforcement)



SECTION THRU ABUT.
(At Right Angles)



ELEVATION
(Front View of Abutment Showing Reinforcement)

NORTH ABUTMENT BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#4	35'-0"	——
h1	24	#4	6'-6"	——
p	10	#7	35'-0"	——
s	32	#4	10'-5"	
s1	2	#4	10'-7"	
u	6	#6	11'-8"	
v	72	#4	4'-6"	——
v1	12	#4	8'-9"	——
Concrete Structures			CU YD	15.5
① Reinforcement Bars			POUND	1,630
Structure Excavation			CU YD	30
Furnishing Metal Shell Piles 14"			FOOT	248
Driving Piles			FOOT	248
Test Pile Metal Shells			EACH	1
Pile Shoes			EACH	5
Concrete Encasement			CU YD	1.6

① See Special Provisions

DESIGN STRESSES

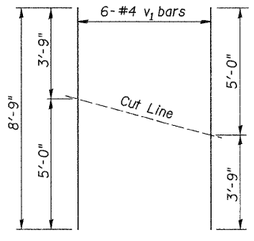
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i.

NOTES

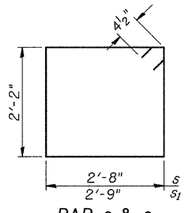
1. The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Reinforcement bars shall conform to ASTM A706 Grade 60.

PILE DATA

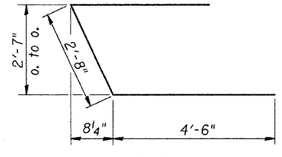
Type & Size: Metal Shell-14"ϕ x 0.312" walls w/ pile shoes
Nominal Required Bearing: 405 kips
Allowable Resistance Available: 135 kips
Est. Length: 62'
No. Req'd.: 5 (Includes 1 Test Pile)



BAR CUTTING DIAGRAM
Order v_1 bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s & s_1



BAR u

NORTH ABUTMENT DETAILS TOWNSHIP ROAD 134A OVER MAUVAISE TERRE CREEK SECTION 06-06120-00-BR MORGAN COUNTY STATION 20+00.00

2459B009