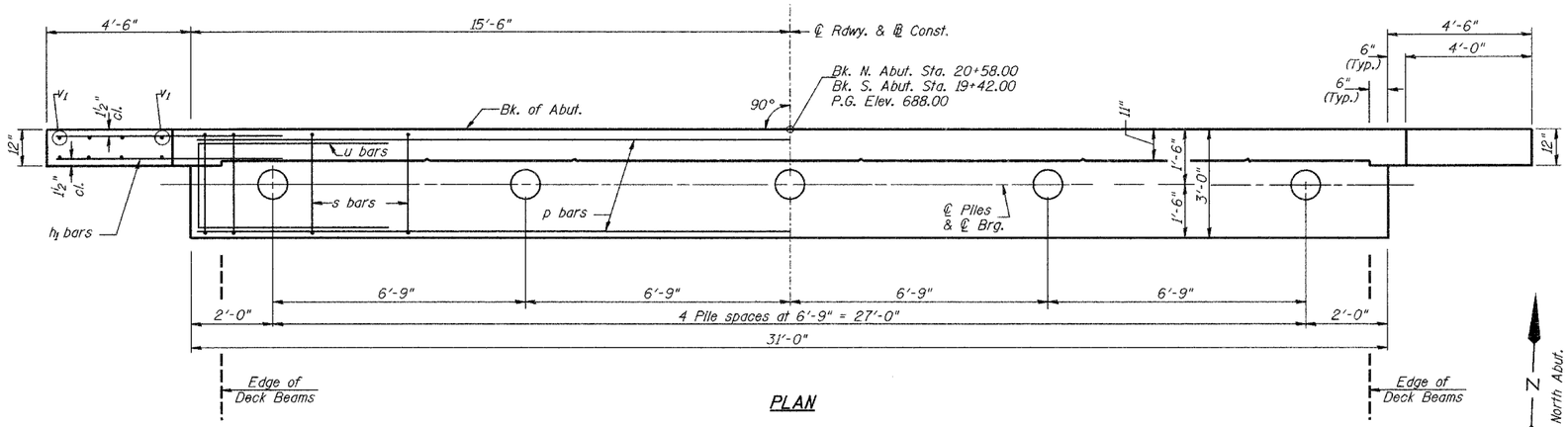
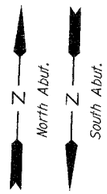
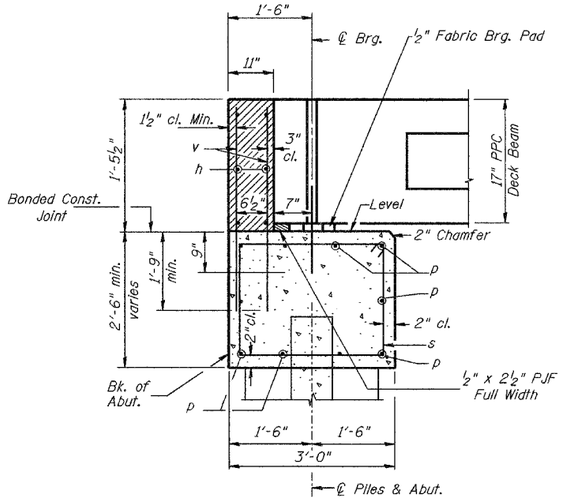
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 434	*	IROQUOIS	23	12
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	BROS-075(131)

*06-26102-01-BR CONTRACT *87356

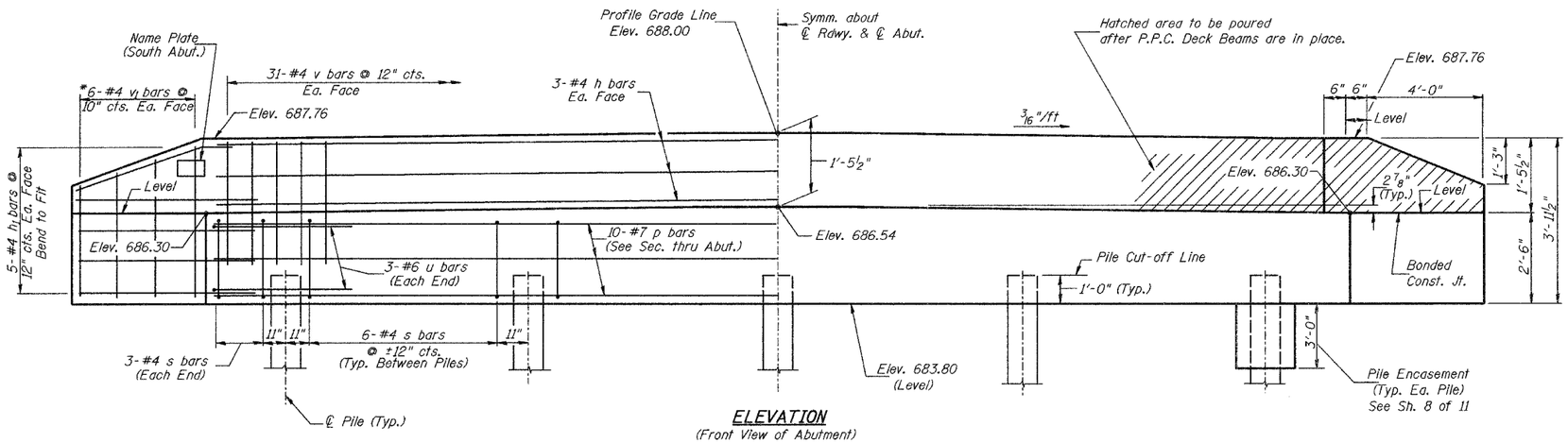


PLAN





SECTION THRU ABUTMENT



ELEVATION
(Front View of Abutment)

DESIGN STRESSES

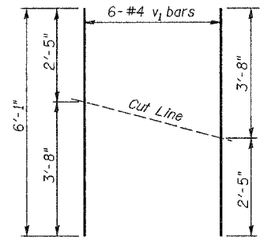
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i.

NOTES

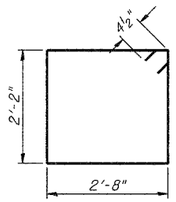
1. The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Reinforcement bars shall conform to ASTM A706 Grade 60 (IL Modified).

PILE DATA

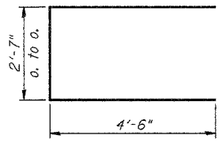
Type & Size: Metal Shell-12"ϕ x 0.25" walls w/ pile shoes
Nominal Required Bearing: 150 kips
Allowable Resistance Available: 50 kips
Est. Length: 24' Each Abutment
No. Req'd.: 10 (Includes 1 Test Pile at North Abut.)



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



BAR s



BAR u

TWO ABUTMENTS BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h	12	#4	30'-9"	——
h_1	40	#4	6'-6"	——
p	20	#7	30'-9"	——
s	60	#4	10'-5"	□
u	12	#6	11'-7"	⊏
v	124	#4	3'-2"	——
v_1	24	#4	6'-1"	——
Concrete Structures			CU YD	23.1
① Reinforcement Bars			POUND	2,660
Structure Excavation			CU YD	60
Name Plates			EACH	1
Furnishing Metal Shell Piles 12"			FOOT	216
Driving Piles			FOOT	216
Test Pile Metal Shells			EACH	1
Pile Shoes			EACH	10
Concrete Encasement			CU YD	2.6

① See Special Provisions

ABUTMENTS
T.R. 434 OVER MUD CREEK
SECTION 06-26102-01-BR
IROQUOIS COUNTY
STATION 20+00.00

2465B006