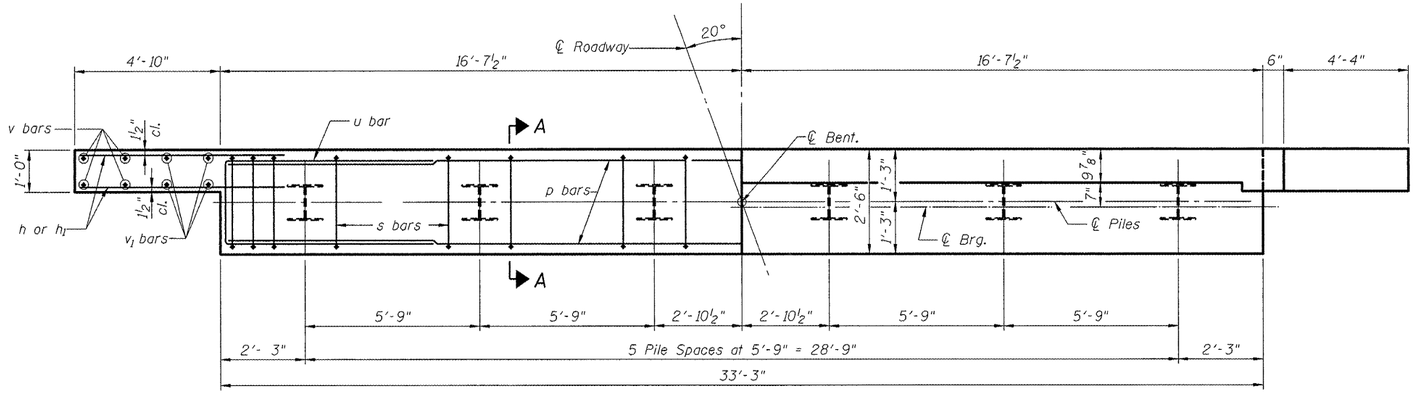
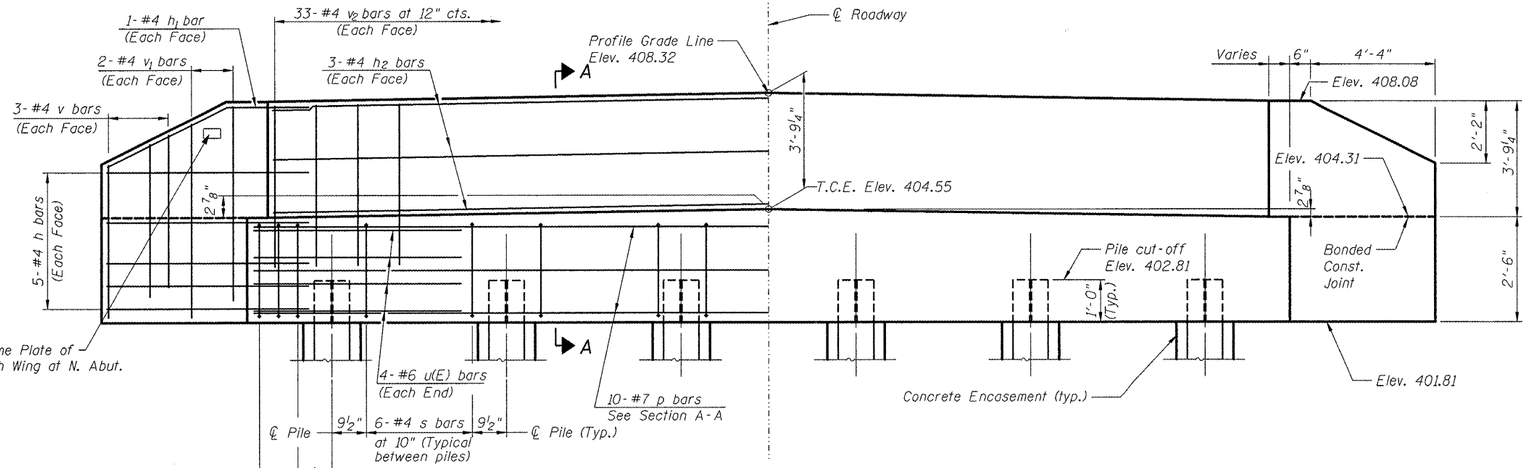
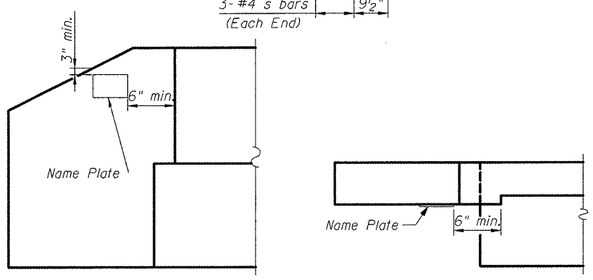


PLAN



ELEVATION

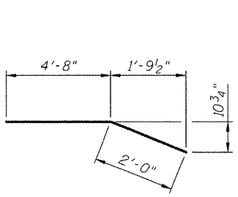


NAME PLATE LOCATION

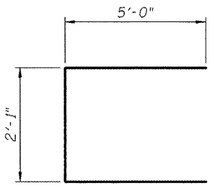
DESIGNED	ASW
CHECKED	BWP
DRAWN	ASW
CHECKED	BWP

BILL OF MATERIAL FOR ONE ABUTMENT

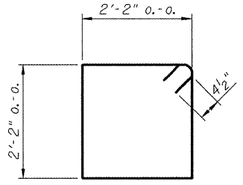
Bar	No.	Size	Length	Shape
h	20	#4	6'-4"	
h_1	4	#4	6'-8"	
h_2	6	#4	32'-11"	
p	10	#7	32'-11"	
s	36	#4	9'-5"	
u	8	#6	12'-1"	
v	12	#4	3'-10"	
v_1	8	#4	5'-6"	
v_2	66	#4	5'-2"	
Concrete Structures			Cu. Yd.	13.9
Reinforcement Bars			Pound.	1570
Concrete Encasement			Cu. Yd.	2.1



BAR h_1



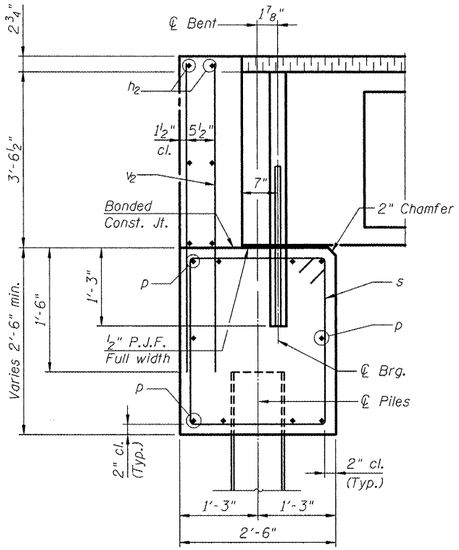
BAR u



BAR s

NOTES

1. The Backwall and the portion of the wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. Space reinforcement in cap to miss anchor bolts.
3. For details of piles and concrete encasement, see sheet 7 of 7.



SECTION A-A
(At Right Angles)

PILE DATA

Type & Size	Steel HP 12x53 with Pile Shoes
Nominal Required Bearing	419 kips
Factored Resistance Available	209 kips
Estimated Length	20.0' Ft. North Abutment
Estimated Length	70.0' Ft. South Abutment
# of Production Piles	5 Each Abutment
# of Test Piles	1 Each Abutment

PILE BENT ABUTMENTS
BLUFF ROAD OVER
PRAIRIE DU ROCHER CRK.
SN 079-3072

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TWM
ENGINEERS ◆ SURVEYORS ◆ PLANNERS

SHEET NO. 6	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7 SHEETS	1857	99-00073-00-BR	RANDOLPH	11	10
			CONTRACT NO. 97363		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		