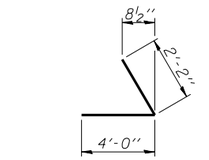
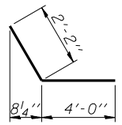
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72 FAU 8071	*	SANGAMON	559	336
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 17
21 SHEETS

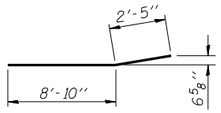
*(84-9-4)A,HBK,BY,BY-1 Contract No 72541



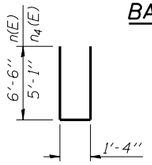
BAR h_8(E)



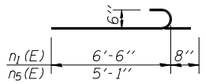
BAR h_9(E)



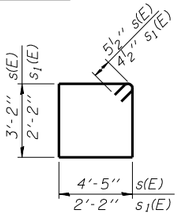
BAR h_4(E)



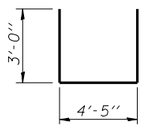
BARS n(E) & n_4(E)



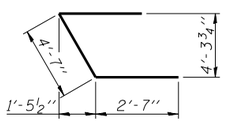
BARS n_1(E) & n_5(E)



BARS s(E) & s_1(E)



BAR u_2(E)



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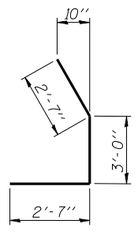

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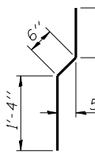
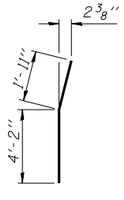
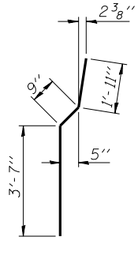


BAR v_1(E)



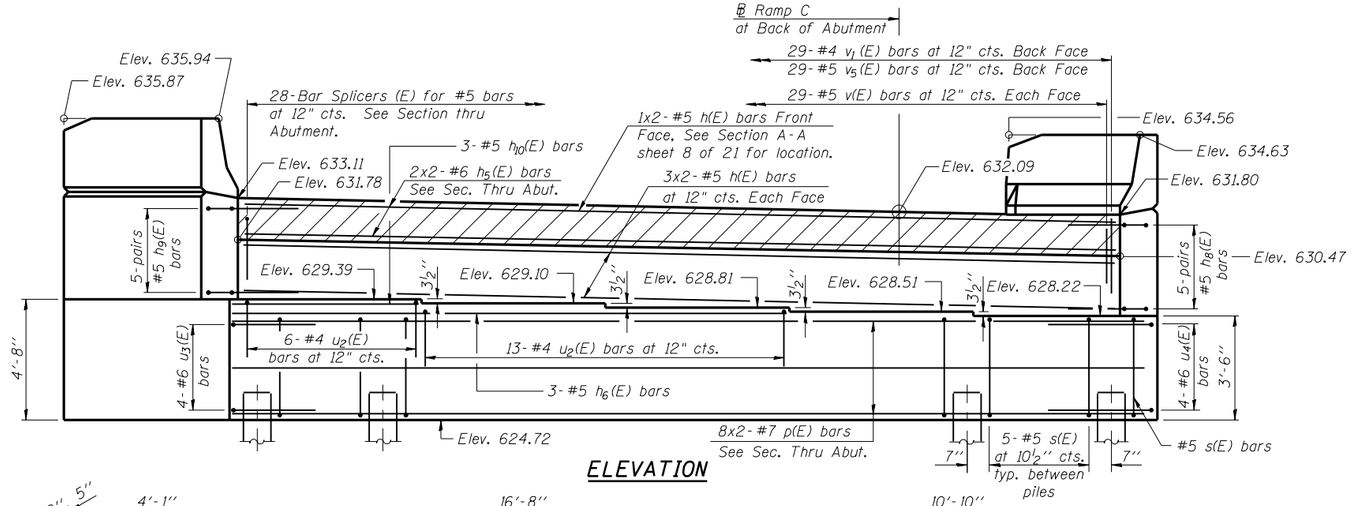
BAR v_3(E)



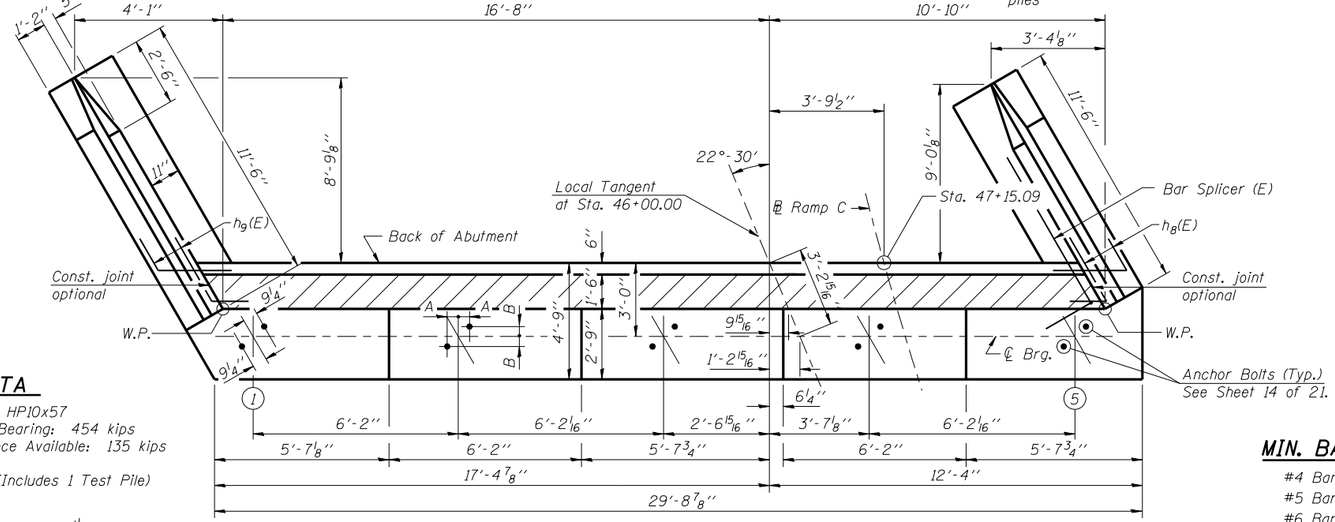
BAR v_4(E)

PILE DATA

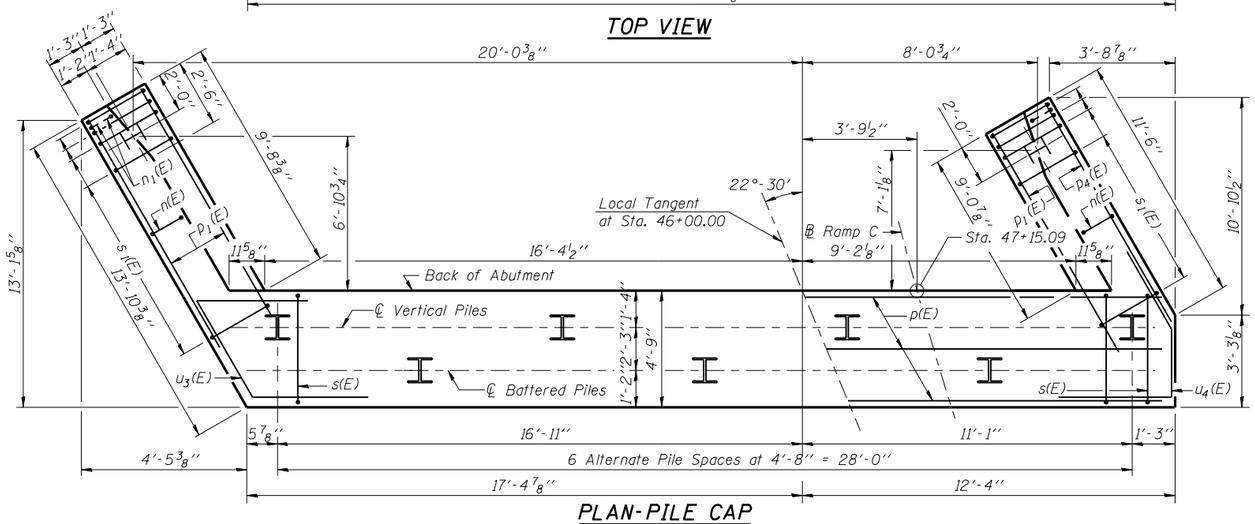
Type: Steel Piles HP10x57
Nominal Required Bearing: 454 kips
Allowable Resistance Available: 135 kips
Est. Length: 52'
No. Required: 9 (Includes 1 Test Pile)



ELEVATION



TOP VIEW



PLAN-PILE CAP

ANCHOR BOLT LAYOUT DIMENSIONS

Beam No.	A	B
1	8¾''	3''
2	8¾''	3''
3	8¾''	3''
4	8¾''	3''
5	8¾''	3 1/16''

ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	14	#5	15'-6''	
h_3(E)	25	#4	11'-3''	
h_4(E)	17	#4	11'-3''	
h_5(E)	8	#6	15'-7''	
h_6(E)	3	#5	17'-7''	
h_8(E)	10	#5	6'-2''	
h_9(E)	10	#5	6'-2''	
h_{10}(E)	3	#5	5'-3''	
n(E)	10	#6	14'-4''	
n_1(E)	6	#6	7'-2''	
n_4(E)	10	#6	11'-6''	
n_5(E)	6	#6	5'-9''	
p(E)	16	#7	17'-0''	
p_1(E)	9	#7	13'-0''	
p_4(E)	3	#7	11'-4''	
s(E)	31	#5	16'-1''	
s_1(E)	24	#4	9'-5''	
u_2(E)	19	#4	10'-5''	
u_3(E)	4	#6	9'-9''	
u_4(E)	4	#6	8'-2''	
v(E)	58	#5	5'-4''	
v_1(E)	29	#4	3'-1''	
v_2(E)	24	#6	6'-1''	
v_3(E)	6	#6	6'-1''	
v_4(E)	20	#6	6'-3''	
v_5(E)	29	#5	2'-10''	
Structure Excavation			Cu. Yd.	95
Concrete Structures			Cu. Yd.	40.1
Reinforcement Bars, Epoxy Coated			Pound	4140
Furnishing Steel Piles HP10x57			Foot	416
Driving Piles			Foot	416
Test Piles Steel HP10x57			Each	1

MIN. BAR LAPS

#4 Bar - 1'-8''
#5 Bar - 2'-2''
#6 Bar - 2'-7''
#7 Bar - 3'-5''

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
For details of Bar Splicers, see sheet 20 of 21.
Conduit is embedded in the North Wing. For details see Conduit Details sheet in the Roadway Plans.

Corporate License Number 184-001-084

WEST ABUTMENT
I-72/MACARTHUR BLVD. RAMP C OVER UPRR
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 46+01.97
STRUCTURE NUMBER 084-0516

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HANSON

JOB# 96S2002B
DATE: 11/16/05

$FILE$
12/16/2006

LAYOUT	MNM	06/27/03
DRAWN	DAP	01/04/05
REVIEWED	JWM	02/24/05