ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 72 FAU 8021	*	SANGAMON	559	312
REG. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 15
22 SHEETS

*(84-9-41A,HBK,BY,BY-1 Contract No. 72541

ABUTMENT
BILL OF MATERIAL

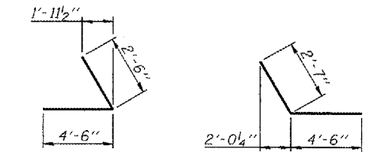
Bar	No.	Size	Length	Shape
h(E)	18	#5	19'-9"	
h_1(E)	12	#5	7'-0"	
h_2(E)	12	#5	7'-1"	
h_3(E)	25	#4	11'-3"	
h_4(E)	17	#4	11'-3"	
h_5(E)	8	#6	21'-10"	
h_6(E)	3	#5	24'-10"	
h_7(E)	3	#5	6'-2"	
n(E)	20	#6	13'-8"	
n_1(E)	12	#6	6'-10"	
p(E)	16	#8	24'-0"	
p_1(E)	6	#7	13'-0"	
p_2(E)	3	#7	13'-0"	
p_3(E)	3	#7	11'-4"	
s(E)	44	#5	16'-1"	
s_1(E)	24	#4	9'-5"	
u(E)	4	#6	9'-5"	
u_1(E)	4	#6	8'-10"	
u_2(E)	27	#4	9'-9"	
v(E)	86	#5	6'-0"	
v_1(E)	43	#4	3'-1"	
v_2(E)	24	#6	6'-9"	
v_3(E)	6	#6	6'-9"	
v_4(E)	20	#6	6'-9"	
v_5(E)	43	#5	2'-10"	
Structure Excavation	Cu. Yd.		136	
Concrete Structures	Cu. Yd.		53.9	
Reinforcement Bars, Epoxy Coated	Pound		5520	
Furnishing Steel Piles HP10x57	Foot		490	
Driving Piles	Foot		490	
Test Piles Steel HP10x57	Each		1	
⚠1 Concrete Encasement	Cu. Yd.		2.9	

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
For details of Bar Splicers, see sheet 20 of 22.
Conduit is embedded in the South Wing. For details see Conduit Details sheet in the Roadway Plans

MIN. BAR LAPS

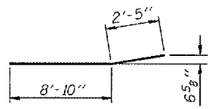
#4 Bar - 1'-8"
#5 Bar - 2'-2"
#6 Bar - 2'-7"
#7 Bar - 3'-5"
#8 Bar - 4'-6"

Corporate License Number 184-001-084

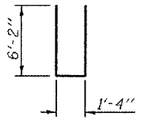


BAR h_1(E)

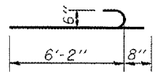
BAR h_2(E)



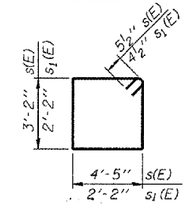
BAR h_4(E)



BAR n(E)

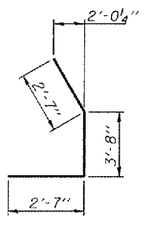


BAR n_1(E)

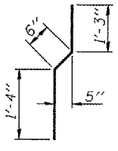


BARS s(E) & s_1(E)

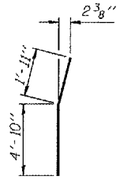
BARS u(E) & u_2(E)



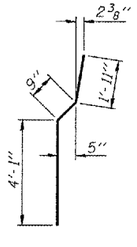
BAR u_1(E)



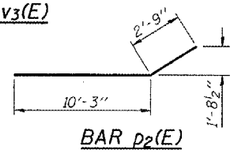
BAR v_1(E)



BAR v_3(E)



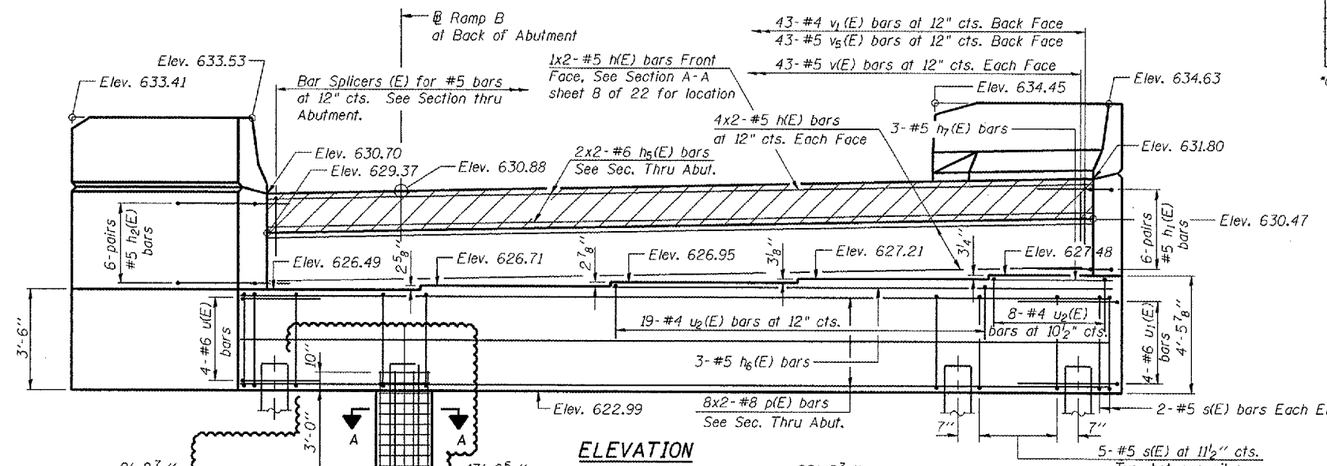
BAR v_4(E)

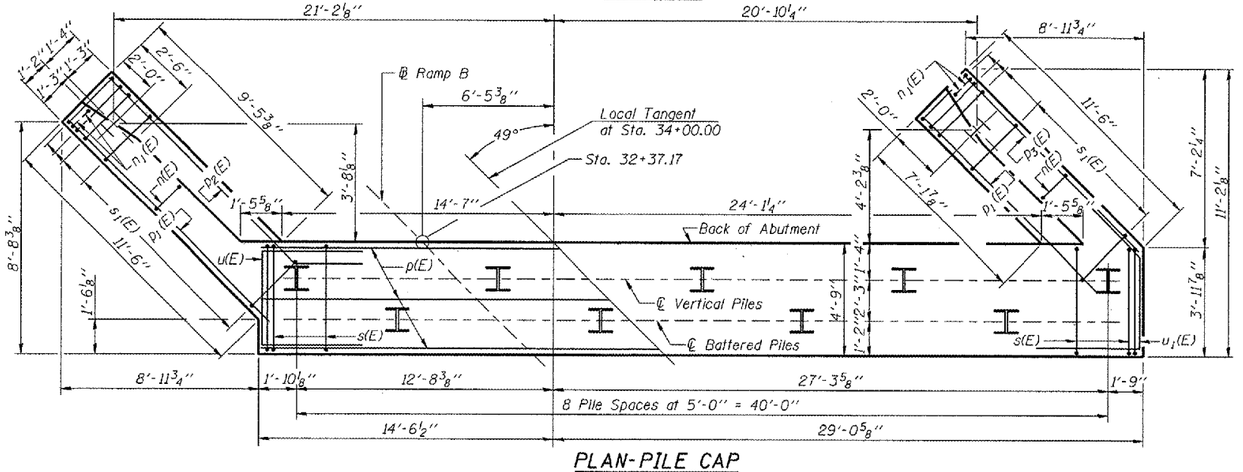


BAR p_2(E)

PILE DATA

Type: Steel Piles HP10x57
Nominal Required Bearing: 454 kips
Allowable Resistance Available: 131 kips
Est. Length: 49'
No. Required: 11 (Includes 1 Test Pile)





LAYOUT	MNM	06/27/03
DRAWN	DJP	01/04/05
REVIEWED	JMM	02/24/05

$FILE$
$DATE$

WEST ABUTMENT
I-72/MACARTHUR BLVD. RAMP B OVER UPRR
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 33+95.61
STRUCTURE NUMBER 084-0514

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HANSON

JOB# 96S2002B

DATE: 11/16/05

⚠1 Revised 02/09/07 Rod