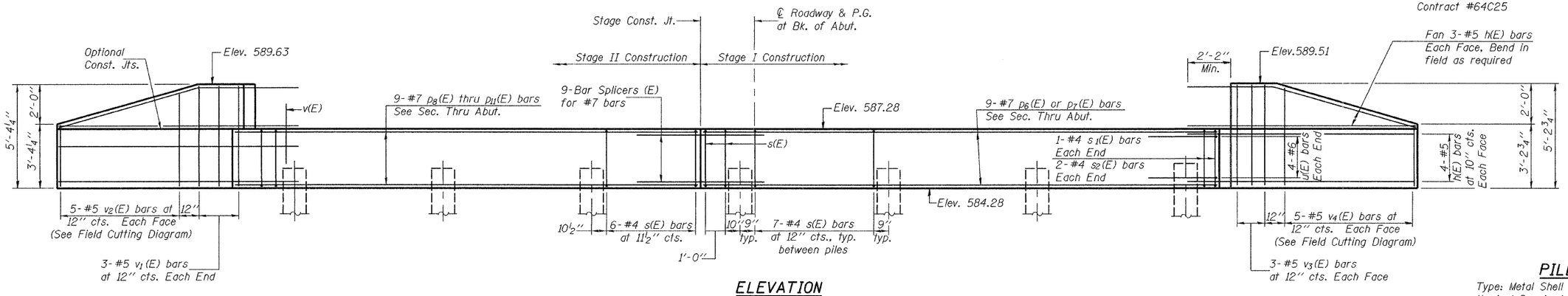
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

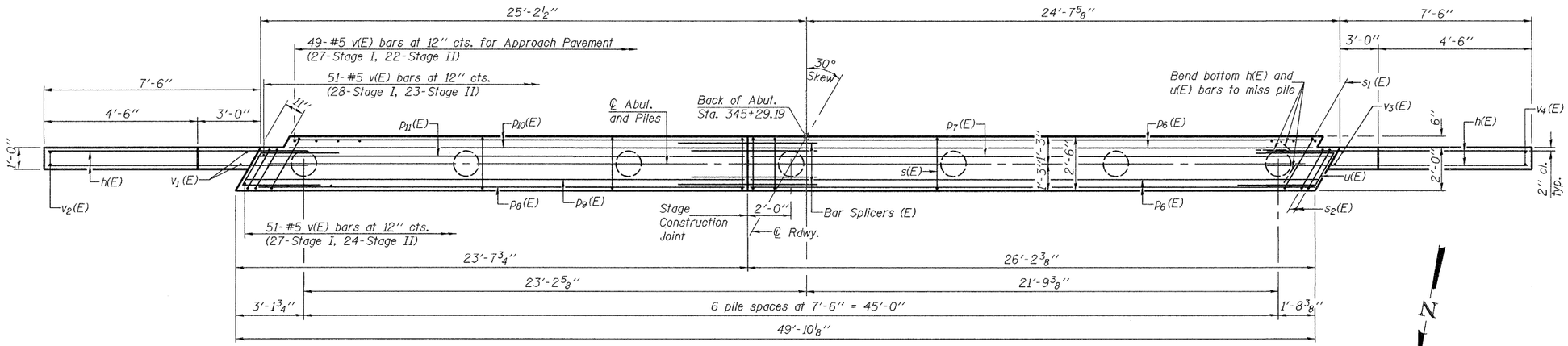
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 308	109BR-5	WHITESIDE	83	46
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 12
19 SHEETS

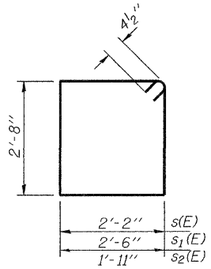
Contract #64C25



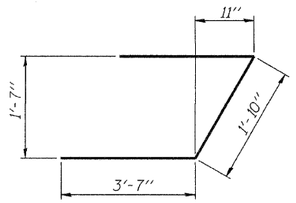
ELEVATION



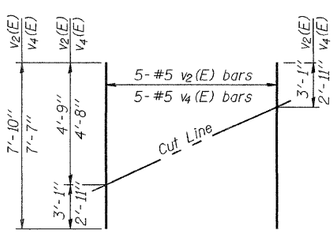
PLAN



BARS s(E), s_1(E) & s_2(E)

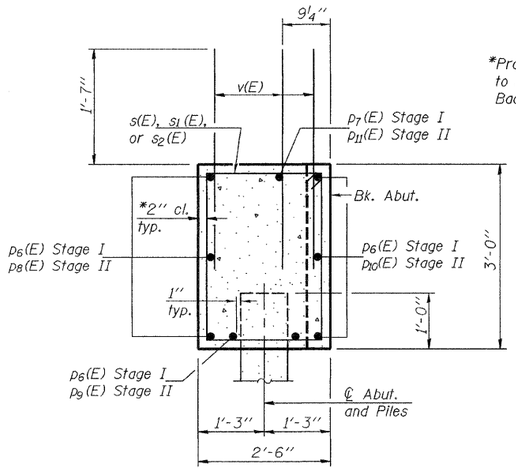


BAR u(E)



FIELD CUTTING DIAGRAM

Order v_2(E) and v_4(E) full length. Cut as shown and use remainder of bars in opposite face.



SEC. THRU ABUT.

*Provide 1½" cl. to s_2(E) bars at Back Face.

PILE DATA

Type: Metal Shell 14" x 0.312"
Nominal Required Bearing: 270 kips
Factored Resistance Available: 135 kips
Est. Length: 43 ft.
No. Production Piles: 6
No. Test Piles: 1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	28	#5	10'-0"	
p6(E)	8	#7	26'-0"	
p7(E)	1	#7	26'-9"	
p8(E)	3	#7	23'-1"	
p9(E)	1	#7	22'-11"	
p10(E)	4	#7	20'-11"	
p11(E)	1	#7	22'-3"	
s(E)	43	#4	10'-5"	
s1(E)	2	#4	11'-1"	
s2(E)	4	#4	9'-11"	
u(E)	8	#6	9'-0"	
v(E)	151	#5	3'-2"	
v1(E)	6	#5	4'-11"	
v2(E)	5	#5	7'-10"	
v3(E)	6	#5	4'-10"	
v4(E)	5	#5	7'-7"	
Structure Excavation		Cu. Yd.		61
Concrete Structures		Cu. Yd.		16.3
Reinforcement Bars, Epoxy Coated		Pound		2,270
Furnishing Metal Shell Piles 14"x0.312"		Foot		258
Driving Piles		Foot		258
Test Pile Metal Shells		Each		1

For details of Bar Splicers, see sheet 16 of 19.
For details of piles, see sheet 15 of 19.

DESIGNED	Dewey H. Coultas
CHECKED	Stephen M. Ryan
DRAWN	BECKY M. LEACH
CHECKED	DHC/SMR

September 2, 2008
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SOUTH ABUTMENT
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

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