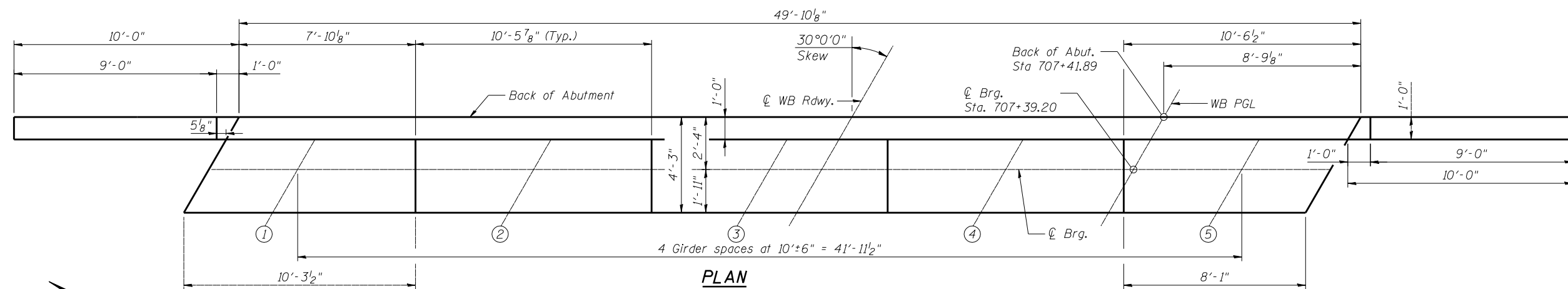
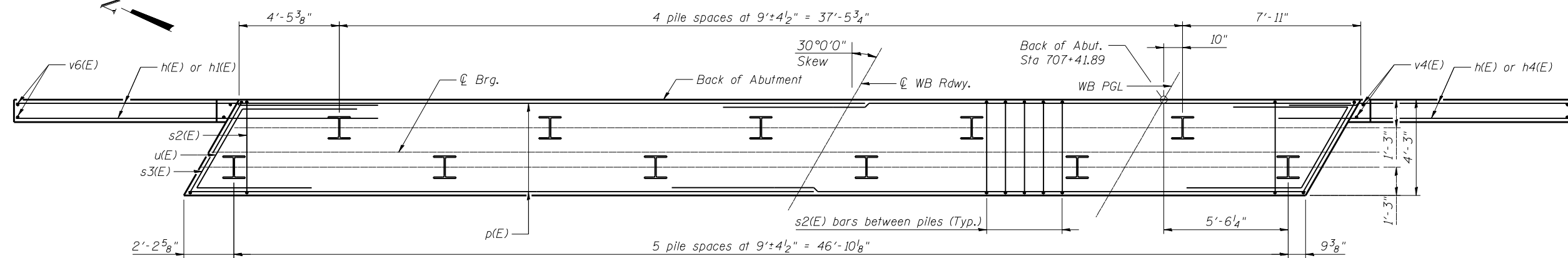


**ELEVATION**



**PLAN**



**PILE PLAN**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	24	#8	16'-7"	—
h4(E)	14	#5	10'-8"	—
h4(E)	14	#5	9'-11"	—
p(E)	20	#7	27'-5"	—
p1(E)	4	#5	26'-5"	—
s2(E)	50	#5	15'-4"	□
s3(E)	2	#5	16'-6"	□
u(E)	8	#6	12'-2"	∩
v6(E)	11	#5	15'-10"	—
v4(E)	11	#5	17'-11"	—
Concrete Structures		Cu. Yd.	65.1	
Reinforcement Bars, Epoxy Coated		Pound	3,970	
Furnishing Steel Piles, HP 12x53		Foot	850	
Driving Piles		Foot	850	
Test Pile Steel, HP 12x53		Each	1	
Pile Shoes		Each	11	
Structure Excavation		Cu. Yd.	76	

For details of piles see sheet S-51 of S-62.

Cast steps monolithically with cap.

Space top reinforcement in cap to miss anchor bolts.

**PILE DATA**

Type: HP 12x53  
 Nominal Required Bearing: 417 kip  
 Factored Resistance Available: 229 kip  
 Est. Length: 85'-0"  
 No. Production Piles: 10  
 No. Test Piles: 1

**MIN BAR LAP**

#5 = 3'-3"  
 #7 = 5'-2"

FILE NAME = 0820117-0118-76884-043-EastAbutmentWB.dgn



USER NAME = brozzano	DESIGNED - RAB	REVISED -
PLOT SCALE = 5/4,000 '1' / IN.	CHECKED - JAN	REVISED -
PLOT DATE = 10/19/2011	DRAWN - RAB	REVISED -
	CHECKED - JAN	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST ABUTMENT PLAN AND ELEVATION WESTBOUND  
 STRUCTURE NO. 082-0117 ( E.B. ) & 082-0118 ( W.B. )**

SHEET NO. S-43 OF S-62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-VHB-1	ST. CLAIR	277	158
CONTRACT NO. 76884				
ILLINOIS FED. AID PROJECT				