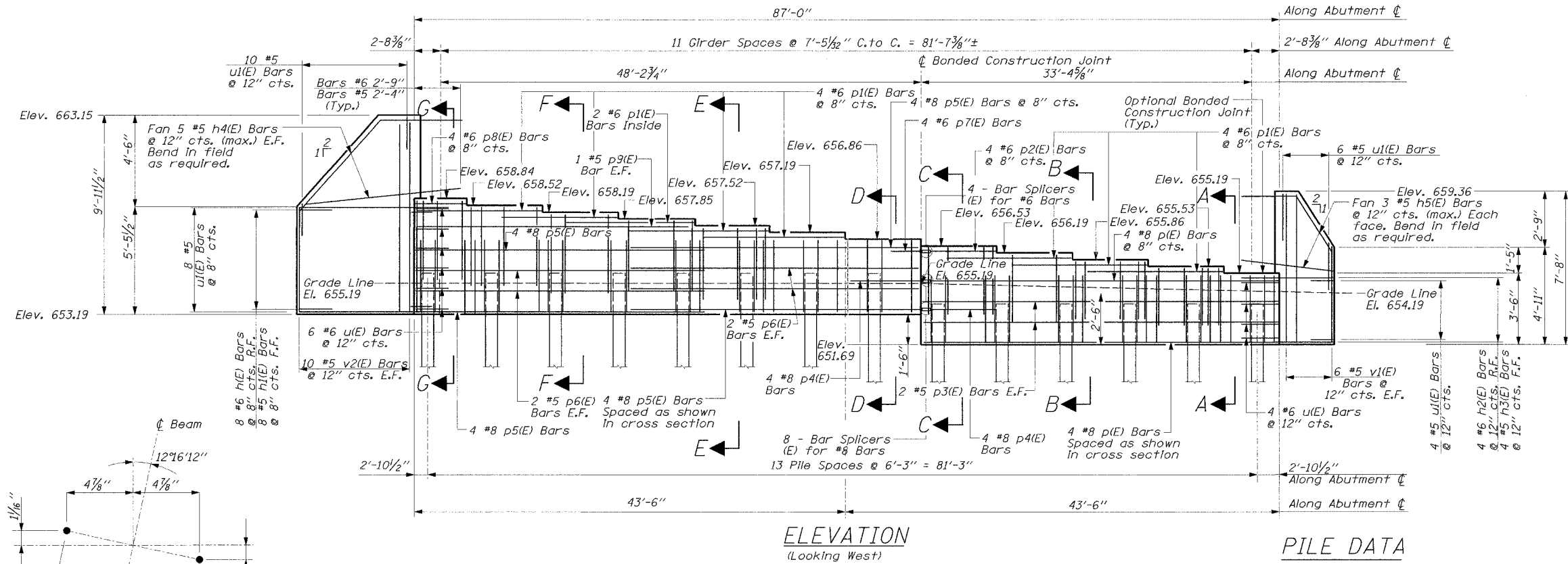


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONTRACT 62829	F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	305	2004-088B	COOK	145	67
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			



ELEVATION  
(Looking West)

PILE DATA

Type: HP12x53  
Capacity: 55 Ton driven to 84 Ton bearing  
Est. Length: 66'  
No. Required: 14  
Test Piles: 1  
Drive test pile to 95 Ton bearing

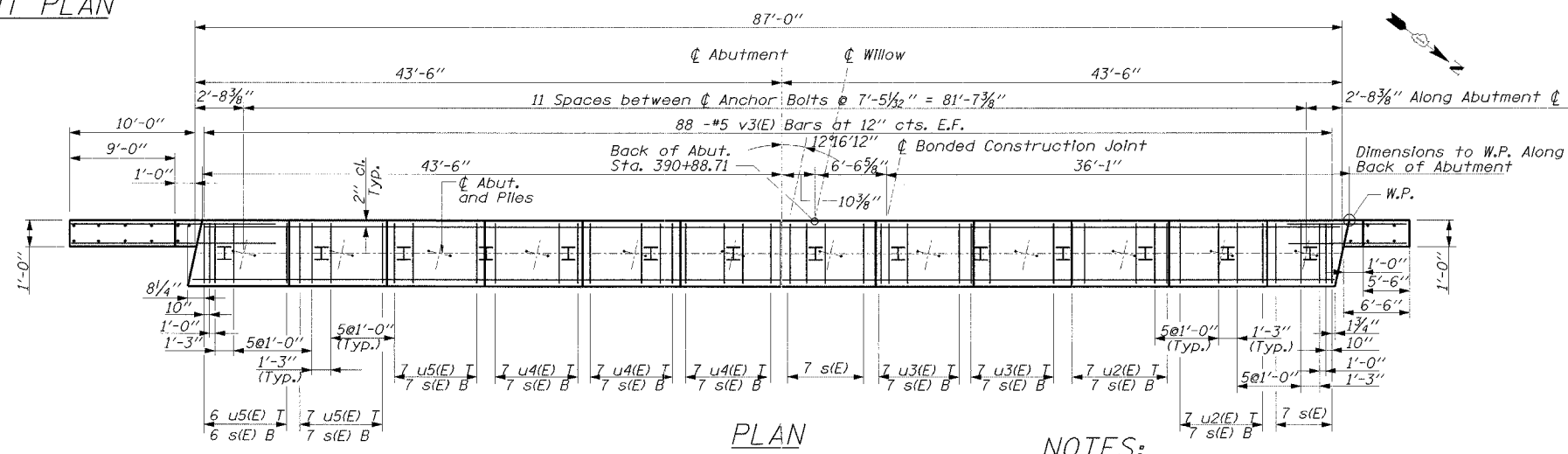
\*BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	16	#6	12'-7"	
h2(E)	16	#5	12'-0"	
h3(E)	8	#6	9'-1"	
h4(E)	8	#5	8'-8"	
h5(E)	20	#5	13'-8"	
h5(E)	12	#5	9'-8"	
p1(E)	16	#8	35'-9"	
p1(E)	60	#6	10'-0"	
p2(E)	8	#6	7'-1"	
p3(E)	8	#5	35'-9"	
p4(E)	16	#8	4'-6"	
p5(E)	32	#8	27'-8"	
p6(E)	16	#5	26'-6"	
p7(E)	8	#6	2'-7"	
p8(E)	8	#6	6'-1"	
p9(E)	4	#5	27'-4"	
s(E)	166	#4	11'-8"	
u1(E)	20	#6	8'-8"	
u1(E)	56	#5	3'-2"	
u2(E)	28	#4	7'-2"	
u3(E)	28	#4	8'-2"	
u4(E)	42	#4	8'-6"	
u5(E)	40	#4	9'-6"	
v1(E)	12	#5	11'-11"	
v2(E)	20	#5	14'-8"	
v3(E)	352	#5	4'-4"	

Furnishing Steel Piles	Foot	1794
HP 12x53		
Driving Steel Piles	Foot	1794
HP 12x53		
Test Pile Steel	Each	2
HP 12x53		
Reinforcement Bars	Pound	11,690
Epoxy Coated		
Bar Splicers	Each	24
Concrete Structures	Cu. Yd.	80
Temporary Sheetpiling	Sq. Ft.	1,100
Porous Granular Embankment	Cu. Yd.	451

\* For West and East Abutment  
\*\* Deliver straight and field bend as required

ANCHOR BOLT LAYOUT PLAN



PLAN

NOTES:

- Pour steps monolithically with cap.
- Reinforcement Bars designated (E) Shall be epoxy coated.
- Min. bar lap for #4 bar = 1'-8"  
Min. bar lap for #5 bar = 2'-2"  
Min. bar lap for #6 bar = 2'-7"  
Min. bar lap for #8 bar = 4'-6"
- Grade line elevation = Top of slope wall at front face of abutment.

NOTATION:

F.F. - Front Face  
R.F. - Rear Face  
E.F. - Each Face  
T - Top  
B - Bottom

DESIGNED	AJN
CHECKED	JAP
DRAWN	ABW
CHECKED	EL

WEST ABUTMENT  
WILLOW ROAD OVER  
MILWAUKEE AVENUE  
(IL RTE. 21/U.S. 45)  
F.A.P. RTE. 305  
SECTION 2004-088B  
COOK COUNTY  
STA. 391+71.02 @ WILLOW RD.  
STR. NO. 016-2786

EDWARDS AND KELCEY

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