

Pier - details

ROUTE NO.	SECTION	COU	NTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 774	1Ø7BY	EFFINGHAM		344	317
FED, ROAD D	IST. NO. 7	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 94827

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			RIAL - 2		
Bar	No.	Size	Length	Shape	
h ₁₀ (E)	36	#5	5′-8"		
h ₁₁ (E)	180	#5	6′-2*		
$h_{I2}(E)$	12	#5	4'-11"		
h13 (E)	60	#5	5'-3"		
ħ14 (E)	120	#5	3'-7"		
h ₁₅ (E)	6	#5	8'-5"		
h ₁₆ (E)	12	#5	29'-6"		
h _{J7} (Ε)	12	#5	19'-1"		
h ₁₈ (E)	6	#5	6′-9″		
р ₁₀ (Е)	28	#7	19'-0"		
<i>р</i> _Ш (Е)	24	#7	29'-2"		
P12 (E)	8	#7	7'-4"		
s10 (E)	84	#4	10'-7"	2	
s ₁₁ (E)	32	#4	7′-5″	Ц	
s12 (E)	48	#5	6'-2"	L	
s13 (E)	212	#4	6'-9"	Ц	
S14 (E)	84	#4	10'-11"	2	
sp	8	#4	24'-8"	\sim	
sp_(E)	8	#4	16'-2"	\sim	
U10 (E)	14	#6	15'-1"	\square	
			-		
V11	64	#9	24'-8"		
v ₁₂ (E)	64	#9	9'-2"		
V13 (E)	64	#9	18'-4"		
V14 (E)	104	#5	4'-11"		
V15 (E)	104	#5	18'-2"		
	ater Sti		- ,		
Excavation Protection Locations 3 & 4			Each	2	
Drilled Shaft in Soil 36''			Foot	119	
Drilled Shaft in Rock 30''			Foot	81	
Concrete Structures			Cu. Yd.	144.7	
Reinforcement Bars,					
Epoxy Coated			Pound	18,160	
Reinforcement Bars			Pound	7160	
	licers		Each	378	

Reinforcement Bars designated (E) shall be epoxy coated. Cast steps monolithically with cap. Space cap reinforcement to miss anchor bolts.

Minimum lap for spirals = $1\frac{1}{2}$ turns.

**Length is height of spiral.

Bars indicated thus 3 x 2-#7 etc. indicates 3 lines of bars with 2 lengths per line.

Work this sheet with sheet 24 of 29. SHEET TITLE PIER DETAILS 02017 IL RTE. 32/33 OVER LITTLE WABASH RIVER SCALE F.A.P. RTE. 774 SECTION 107BY EFFINGHAM COUNTY DRAWN BY CHECKED BY STATION 1011+50.17 STRUCTURE NO. 025-0078 COOMBE-BLOXDORF P.C. Engineers /Land Surveyors 25 Springfield, Illinois Design Firm License No. 184-00270 OF 29 SHTS

29 SHEETS

SHEET NO. 25