STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





BAR S3(E)

BARS \$4(E), \$5(E) & \$6(E)

 $s_{6}(E) \\ s_{6}(E) \\ s_{6}(E)$

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<u>3'-2"</u> 8" s₆(E)



BARS p11(E) & p12(E)



<u>PIER 2</u> <u>BILL OF MATERIAL</u>

	Bar	No.	Size	Length	Shape
	h ₈ (E)	4	#4	24'-4"	
	hg(E)		#4	30′-10″	
	hio(E)	60	#4	10'-8"	
	$h_{II}(E)$		#4	10'-2"	
	$h_{12}(E)$	120	#4	2'-0"	
	ŀ				
	р ₉ (Е)	4	#10	24'-4"	
	$p_{10}(E)$	4	#10	30'-10"	
	$p_{II}(E)$	4	# <u>1</u> 0	25'-11"	
	$p_{12}(E)$.4	#10	32'-5"	
	<i>р</i> ₁₃ (Е)	6	#10	12′-6″	
	s3(E)	58	#4	12'-11"	
	54(E)	16	#4	7'-8"	
	\$4(L) \$5(E)	16	#4	7'-2"	
	\$6(E)	42	#4	4'-0"	
	06(L)	72		4-0	
**	sp ₄ (E)	4	#5	11'-2"	~~~
**	SP6	4	#5	24'-8"	~~~~
	u ₂ (E)	6	#6	9'-11"	\square
	$V_{10}(E)$	44	#9	13′-6″	
	$v_{12}(E)$	44	#9	11'-6"	
	V <u>13</u> (E)	66	#4	9'-9"	
	V14(E)	66	#4	7 <i>'-11"</i>	
	V15	44	#9	24'-8"	
	Excava	ater Sti tion Pro		Each	1
	42″	Shaft i		Foot	58.8
	36''	Shaft i		Foot	41.0
	Concre	te Struc	ctures	Cu. Yd.	53.9
		rcement		Pound	9930
	Reinfor	cement	Bars	Pound	6330
	Structu	re Exco	wation	Cu. Yd.	13.8

Reinforcement Bars designated (E) shall be epoxy coated. **Length is height of spiral.

		1
DESIGNED	T.L. Kurtenbach	January 26
CHECKED	J.E. Kramer	EXAMINED Thomas & Domagaliki
DRAWN	A.M. Seiber	PASSED Ralph E. anderson
CHECKED	JEK/TLK	ENCINEER OF BRIDGES AND STRUCTURES

	ROUTE NO.	SECTION 71BR	COUNTY SHEETS RANDOLPH 73		TOTAL SHEETS	SHEET NG. 50	SHEET NO. 26 31 SHEETS
	F.A.P. 312				73		
	FED. ROAD DIST	NO. 7	ILLINOIS	FED, AID PR	DJECT-		
		Contr	act No	, 7612	5		
Con	struction	Sequ	ence f	or Wet	Wall:		
001							
	water to	bear	on the	circu	lar edg	e of dr	illed shafts.
 I. Excavate between sh web wall forms through Secure in place with fill	water to , struts wall rein	bear or tie	on the forms	circu togeti	lar edge ner as i	e of dr required	illed shafts. 1.
. Excavate between sh web wall forms through Secure in place with fill 2. Place the lower web	water to , struts wall rein ances, sealed o	bear or tie oforcer against	on the forms ment c the s	e clrcu togeth age int hafts (lar edge ner as i to the f	e of dr requirec orms u eambed	illed shafts. 1. sing spacers to

lowered into position through water and the concrete discharged at the base

of the excavation through a tremie pipe or pump hose, displacing

water, sediment, and tainted concrete out the top of the forms. Construct Columns.
Construct upper we

1.

2.

3.

Construct upper web walls.

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

PIER 2 F.A.P. RT. 312 - SEC. 71BR RANDOLPH COUNTY STATION 1128+90 STRUCTURE NO. 079-0048