



**A & B DIMENSIONS**

Bar	A	B
$s_6(E)$	3'-0"	2'-2"
$s_9(E)$	2'-8"	3'-2"
$s_{10}(E)$	2'-8"	3'-7"
$s_{11}(E)$	3'-10"	3'-6"

**MIN. BAR LAPS**

- #4 Spirals - 2'-0"
- #4 - 1'-8"
- #5 - 2'-2"
- #6 - 2'-7"
- #7 - 3'-5"
- #8 - 4'-6"
- #9 - 5'-9"
- #10 - 7'-3"

**BILL OF MATERIAL - PIERS #1 & #2**

Bar	No.	Size	Length	Shape
$h_1(E)$	224	#5	29'-9"	—
$h_2(E)$	48	#8	30'-9"	—
$n(E)$	143	#9	32'-4"	—
$n_1(E)$	6	#9	15'-7"	—
$n_2(E)$	192	#10	14'-6"	—
$n_3(E)$	143	#9	40'-4"	—
$n_4(E)$	6	#9	19'-7"	—
$p_5(E)$	28	#9	31'-4"	—
$p_6(E)$	14	#9	40'-0"	—
$p_7(E)$	14	#9	31'-8"	—
$p_8(E)$	28	#10	35'-3"	—
$p_9(E)$	14	#10	37'-9"	—
$p_{10}(E)$	14	#10	29'-6"	—
$p_{11}(E)$	42	#10	22'-10"	—
$p_{12}(E)$	40	#6	33'-0"	—
$p_{13}(E)$	20	#6	35'-3"	—
$p_{14}(E)$	20	#6	27'-0"	—
$p_{15}(E)$	8	#6	37'-2"	—
$p_{16}(E)$	8	#6	7'-6"	—
$p_{17}(E)$	8	#6	14'-0"	—
$p_{18}(E)$	8	#6	28'-11"	—
$p_{19}(E)$	16	#6	23'-3"	—
$s_6(E)$	286	#5	7'-4"	—
$s_7(E)$	236	#5	16'-1"	—
$s_8(E)$	204	#5	14'-7"	—
$s_9(E)$	64	#5	9'-0"	—
$s_{10}(E)$	64	#5	9'-10"	—
$s_{11}(E)$	168	#5	10'-10"	—
$sp(E)$	8	#4	10'-2"	
$sp_1(E)$	8	#4	12'-2"	
$t(E)$	296	#8	12'-2"	—
$u_1(E)$	56	#5	10'-1"	—
$u_2(E)$	24	#6	8'-10"	—
$v_5(E)$	96	#10	14'-6"	—
$v_6(E)$	96	#10	16'-6"	—
$w(E)$	88	#6	29'-6"	—
Structure Excavation			Cu. Yd.	330
Concrete Structures			Cu. Yd.	938.9
Reinforcement Bars, Epoxy Coated			Pound	127100
Furnishing Steel Piles HP12x74			Ft.	2516
Driving Piles			Ft.	2516
Test Pile Steel HP12x74			Each	2

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

Corporate License Number 184-001-084

**PIER DETAILS**  
MACARTHUR BLVD. OVER N.S. R.R.  
SECTION 02-00382-02-PV  
SANGAMON COUNTY  
STATION 800+69.78  
STRUCTURE NUMBER 084-0512

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