

**PILE BENT NOTES:**

THESE PIER BENTS ARE DESIGNED FOR USE IN LOCATIONS WHERE ICE AND DRIFT CONDITIONS ARE NOT SEVERE.

FOR DETAILS OF TRESTLE PILES, SEE STANDARD PIOL.

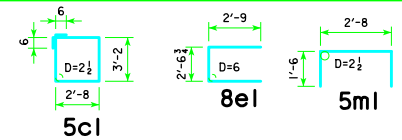
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

**REINFORCING BAR LIST AND ESTIMATED QUANTITIES PER PILE BENT**

BAR	LENGTH	SHAPE	7 PILE BENT			8 PILE BENT			9 PILE BENT			10 PILE BENT			11 PILE BENT			12 PILE BENT		
			NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
a1	44'-8"		8	9	1215	8	9	1215	8	9	1215	8	9	1215	6	9	911	6	9	911
a2	44'-8"		4	8	477	4	8	477	4	8	477	4	8	477	4	8	477	4	8	477
b1	44'-8"		4	10	769	4	9	607	4	9	607	4	9	607	4	8	477	4	8	477
5c1	12'-8"		38	5	502	37	5	489	42	5	555	47	5	621	42	5	555	46	5	608
8e1	8'-1"		4	8	86	4	8	86	4	8	86	4	8	86	4	8	86	4	8	86
5m1	5'-8"		12	5	71	12	5	71	12	5	71	12	5	71	12	5	71	12	5	71
5n1	2'-8"		12	5	33	12	5	33	12	5	33	12	5	33	12	5	33	12	5	33
REINFORCING STEEL (LB.)			3153			2978			3044			3110			2610			2663		
STRUCTURAL CONCRETE (CY)			3			18.6			18.6			18.6			18.6			18.6		

**BENT BAR DETAILS**



NOTE: ALL DIMENSIONS ARE OUT TO OUT. D=PIN DIAMETER.

**FRICION OR POINT BEARING PILING**

ABUTMENT BEARING	PIOL TYPE 3		
	NUMBER OF TRESTLE PILES	PILE SIZE	① LRFD PU, STRENGTH I DES. BRG. (KIPS)
138'-10	7	HP14x73	179
	7	HP14x89	179
151'-4	8	HP14x73	165
	7	HP14x89	189
163'-10	8	HP14x73	179
	7	HP14x89	205
176'-4	9	HP14x73	167
	7	HP14x89	214
188'-10	9	HP14x73	174
	8	HP14x89	196
201'-4	10	HP14x73	175
	8	HP14x89	219
213'-10	10	HP14x73	184
	9	HP14x89	205
226'-4	11	HP14x73	176
	9	HP14x89	216
243'-0	12	HP14x73	170
	10	HP14x89	204

① NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

NOTE: FRICTION BEARING INCLUDES SIDE FRICTION AND END BEARING IN SOIL. POINT BEARING INCLUDES SIDE FRICTION AND POINT BEARING IN ROCK.

REVISED 05-13 -- REVISION FOR LRFD PILE DESIGN.

LATEST REVISION DATE 05-13 APPROVED BY BRIDGE ENGINEER 		
	STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> MARCH, 2007	
	<b>PILE BENT PIERS</b> <b>HPI4 PIERS</b> 0° SKEW	<b>H44-41-07</b>