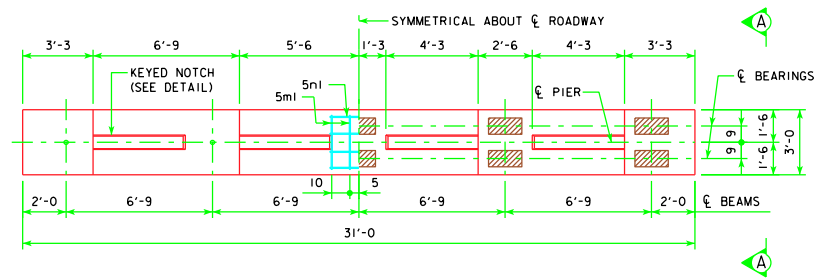
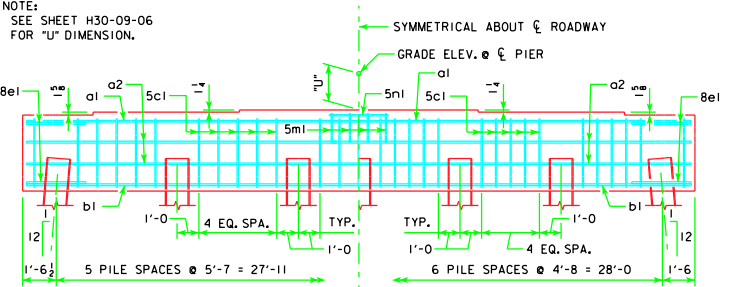


REVISED 07-10 - THIS SHEET WAS ADDED FOR THE 14" PILE OPTION & CAP DEPTH IS 3'-6".

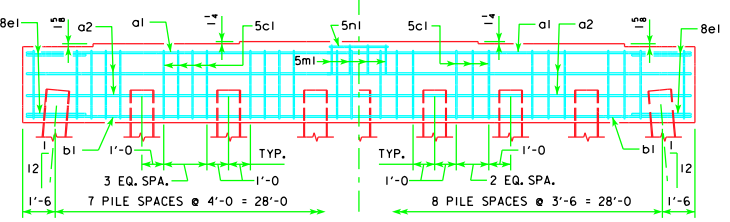


TYPICAL PLAN

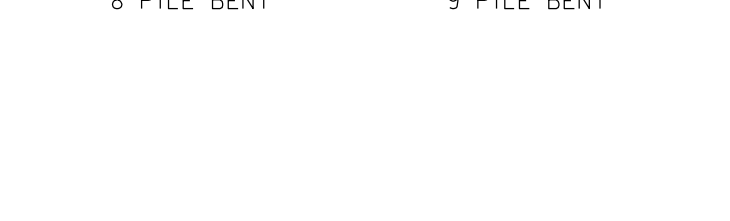
NOTE:
SEE SHEET H30-09-06
FOR "U" DIMENSION.



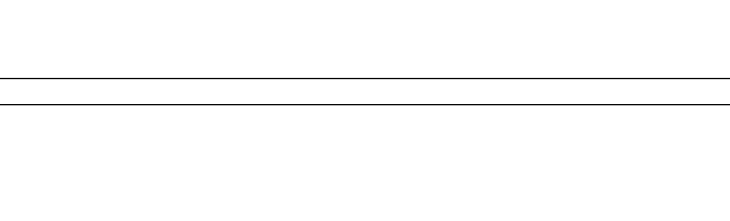
6 PILE BENT



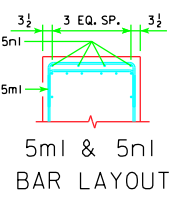
7 PILE BENT



8 PILE BENT

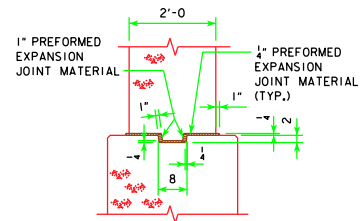


9 PILE BENT

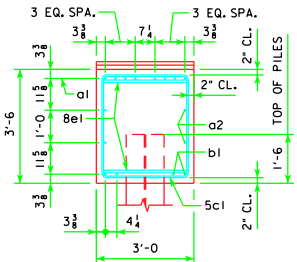


BAR LAYOUT

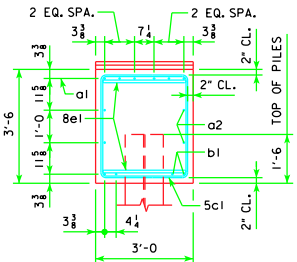
PILE BENT NOTES:
THESE PIER BENTS ARE DESIGNED FOR USE IN LOCATIONS WHERE
ICE AND DRIFT CONDITIONS ARE NOT SEVERE.
FOR DETAILS OF TRESTLE PILES, SEE STANDARD PIOL.
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR
REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED
OR SHOWN.



KEYED NOTCH DETAIL



VIEW A-A
FOR 6 & 7 PILE BENTS

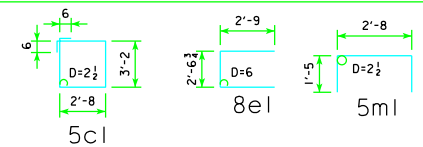


VIEW A-A
FOR 8 & 9 PILE BENTS

REINFORCING BAR LIST AND ESTIMATED
QUANTITIES - PER PILE BENT

BAR	LENGTH	SHAPE	6 PILE BENT			7 PILE BENT			8 PILE BENT			9 PILE BENT		
			NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
a1	30'-8		8	9	834	8	9	834	6	9	626	6	9	626
a2	30'-8		4	8	328	4	8	328	4	8	328	4	8	328
b1	30'-8		4	9	417	4	9	417	4	8	328	4	8	328
5c1	12'-8		27	5	357	32	5	423	30	5	396	26	5	343
8e1	8'-1		4	8	86	4	8	86	4	8	86	4	8	86
5m1	5'-6		4	5	23	4	5	23	4	5	23	4	5	23
5n1	2'-8		4	5	11	4	5	11	4	5	11	4	5	11
REINFORCING STEEL (LB.)			2056			2122			1798			1745		
STRUCTURAL PILE TYPE			3											
CONCRETE (CY)			12.6			12.6			12.6			12.6		

BENT BAR DETAILS



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

FRICTION OR POINT BEARING PILING

P-CL ABUTMENT BEARING	PIOL TYPE 3			
	NUMBER OF TRESTLE PILES	PILE SIZE	① DES. PILE BRG. (TONS)	② LRFD DES. BRG. (KIPS)
138'-10	6	HP14x73	54	157
151'-4	6	HP14x89	54	157
163'-10	6	HP14x73	57	166
176'-4	6	HP14x89	57	166
188'-10	6	HP14x73	62	179
201'-4	6	HP14x89	62	179
213'-10	6	HP14x73	55	161
226'-4	7	HP14x89	65	187
239'-10	7	HP14x73	58	168
252'-4	6	HP14x89	68	196
265'-10	8	HP14x73	56	164
278'-4	6	HP14x89	75	218
291'-10	8	HP14x73	59	172
304'-4	7	HP14x89	68	197
317'-10	8	HP14x73	63	181
330'-4	7	HP14x89	71	207
343'-10	9	HP14x73	58	170
356'-4	7	HP14x89	75	218

- ① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- ② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.

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

07-10
LATEST REVISION DATE

Thomas L. McQuinn
APPROVED BY BRIDGE ENGINEER

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES
DECEMBER, 2006

PILE BENT PIERS
HP14 PILES
0° SKEW

H30-47-06