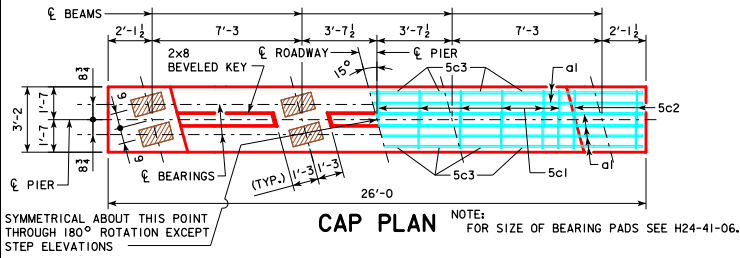
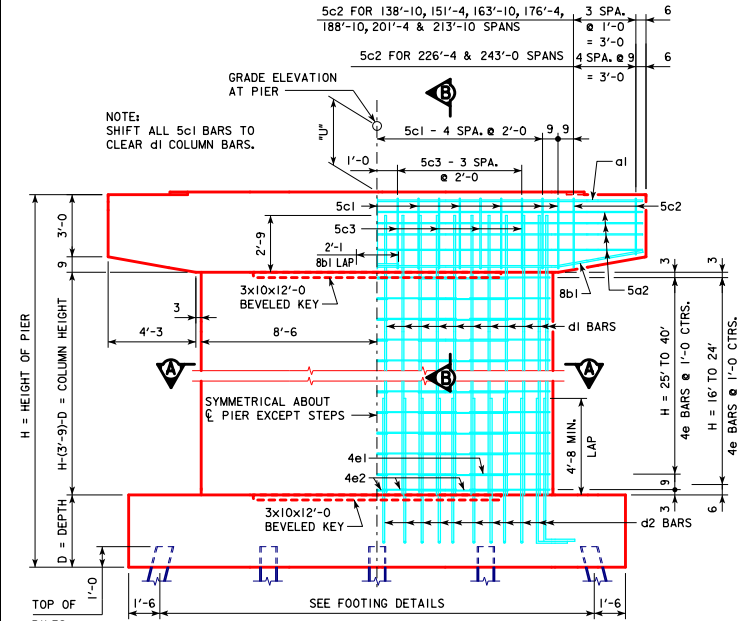


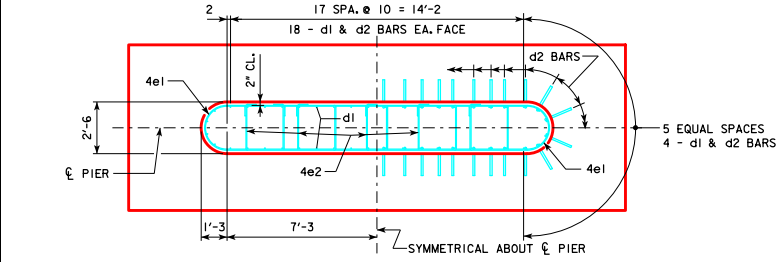
REVISED 01-10 - SHEET WAS REVISED TO MEET LBFD SPECIFICATIONS.
 REVISED 09-2016 - CHANGED PIER COLUMN CAP AND FOOTING BEVELED KEYWAY TO 3" x 10" WAS 2" x 8".
 REVISED 10-2016 - CHANGED BEVELED KEYWAY LENGTH OF PIER COLUMN CAP AND FOOTING TO BE 5'-0" LESS THAN WIDTH OF PIER COLUMN WAS 14'-0".



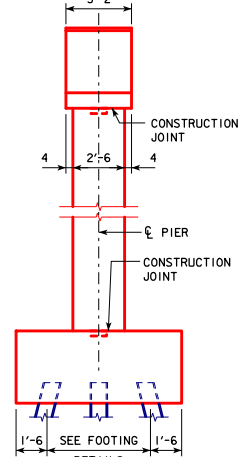
CAP PLAN NOTE: FOR SIZE OF BEARING PADS SEE H24-41-06.



FRONT ELEVATION



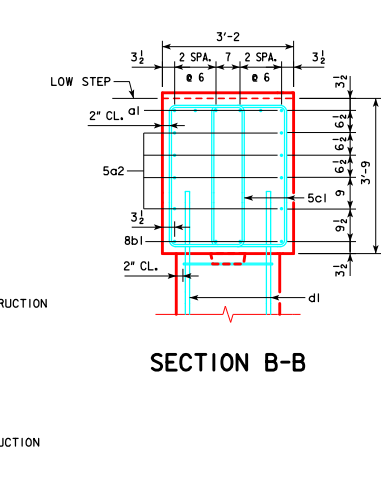
SECTION A-A



END ELEVATION

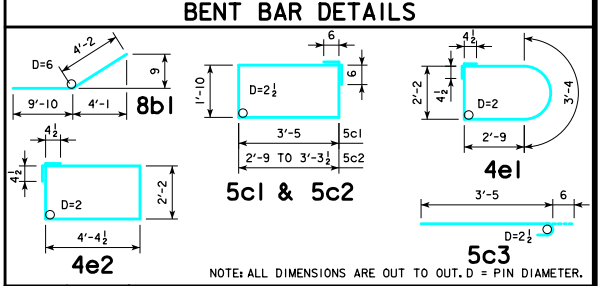
① SEE SHEET H24-17-06 FOR STEP REINFORCING STEEL QUANTITY AND DETAILS.
PIER NOTES:
 SEE "TEE PIER NOTES" ON H24-02-06 FOR NOTES REGARDING APPLICATION OF THESE PIER STANDARDS.
 MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.
 ELIMINATE 2x8 BEVELED KEYWAY ON TOP OF CAP FOR EXPANSION PIERS.
 SEE SHEET H24-15-06 FOR "U" DIMENSION.

		CAP																			
		138'-10"		151'-4"		163'-10"		176'-4"		188'-10"		201'-4"		213'-10"		226'-4"		243'-0"			
REINFORCING STEEL	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
		d1	25'-8"		6	9	524	6	9	524	6	9	524	6	9	524	6	9	524	6	9
	5a2	25'-8"		8	5	214	8	5	214	8	5	214	8	5	214	8	5	214	8	5	214
	8b1	14'-0"		8	8	299	8	8	299	8	8	299	8	8	299	8	8	299	8	8	299
	5c1	11'-6"		22	5	264	22	5	264	22	5	264	22	5	264	22	5	264	22	5	264
	5c2	VARIABLES		16	5	179	16	5	179	16	5	179	16	5	179	16	5	179	20	5	223
	5c3	3'-11"		16	5	65	16	5	65	16	5	65	16	5	65	16	5	65	16	5	65
	TOTAL (LB.)			1545		1545		1545		1545		1545		1545		1589		1589			
	STRUCTURAL CONCRETE (CY)			11.4		11.4		11.4		11.4		11.4		11.4		11.4		11.4			



SECTION B-B

		COLUMN																			
		138'-10"		151'-4"		163'-10"		176'-4"		188'-10"		201'-4"		213'-10"		226'-4"		243'-0"			
REINFORCING STEEL	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
		d1	25'-8"		6	9	524	6	9	524	6	9	524	6	9	524	6	9	524	6	9
	5a2	25'-8"		8	5	214	8	5	214	8	5	214	8	5	214	8	5	214	8	5	214
	8b1	14'-0"		8	8	299	8	8	299	8	8	299	8	8	299	8	8	299	8	8	299
	5c1	11'-6"		22	5	264	22	5	264	22	5	264	22	5	264	22	5	264	22	5	264
	5c2	VARIABLES		16	5	179	16	5	179	16	5	179	16	5	179	16	5	179	20	5	223
	5c3	3'-11"		16	5	65	16	5	65	16	5	65	16	5	65	16	5	65	16	5	65
	TOTAL (LB.)			1545		1545		1545		1545		1545		1545		1589		1589			
	STRUCTURAL CONCRETE (CY)			11.4		11.4		11.4		11.4		11.4		11.4		11.4		11.4			



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

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE
PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES
 DECEMBER, 2006

LATEST REVISION DATE 10-2016	APPROVED BY BRIDGE ENGINEER 	TEE PIER CAP AND COLUMN 15° SKEW	H24-57-06
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