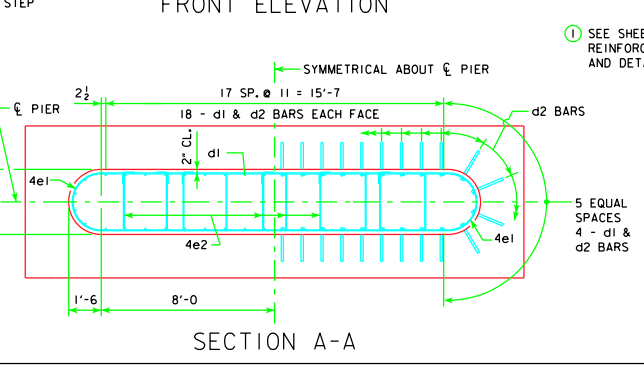
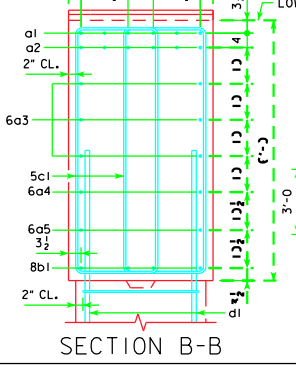
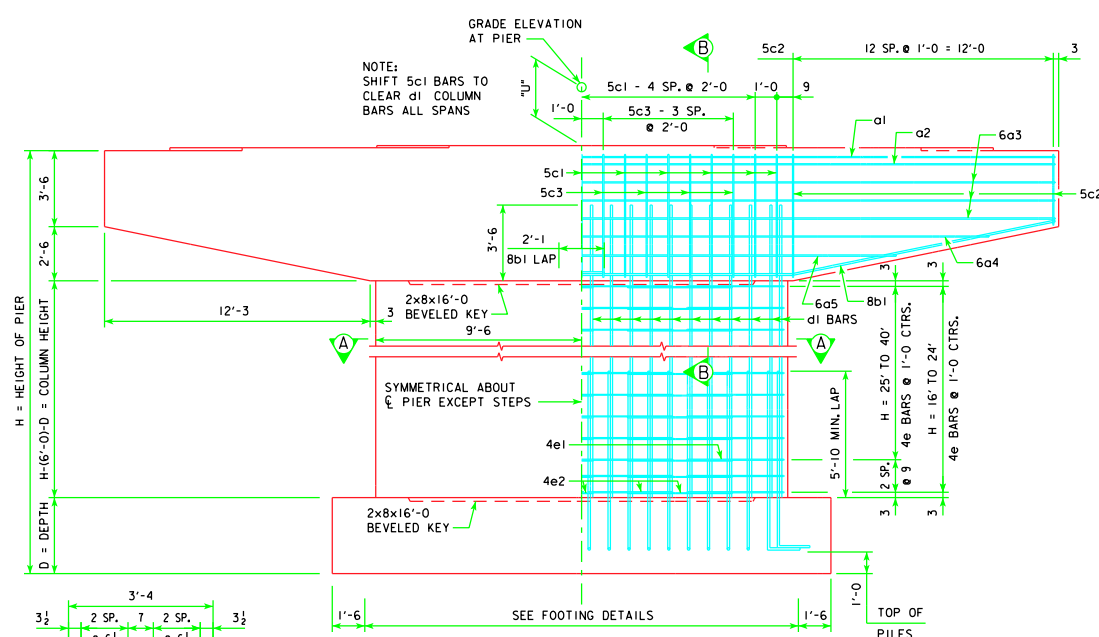
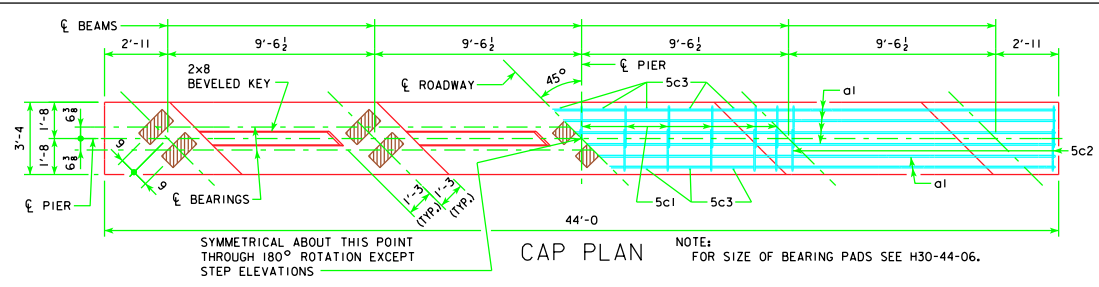


REVISED 07-10 - SHEET WAS REVISED TO MEET LRFD SPECIFICATIONS.

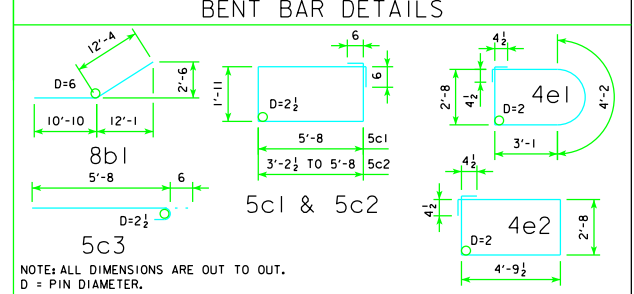
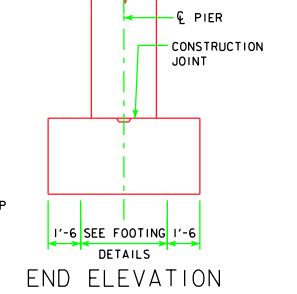


CAP

REINFORCING STEEL	138'-10		151'-4		163'-10		176'-4		188'-10		201'-4		213'-10		226'-4					
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT		
5c1	43'-8	6	8	700	6	9	891	6	9	891	6	9	891	6	9	891	6	10	1127	
6a2	43'-8	6	8	700	6	8	700	6	8	700	6	8	700	6	8	700	6	9	891	
6a3	43'-8	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	6	6	394	
6a4	37'-6	2	6	113	2	6	113	2	6	113	2	6	113	2	6	113	2	6	113	
6a5	28'-11	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	2	6	87	
8b1	23'-2	8	8	495	8	8	495	8	8	495	8	8	495	8	8	495	8	8	495	
5c2 VARIES	16'-2	22	5	371	22	5	371	22	5	371	22	5	371	22	5	371	22	5	371	
5c3	6'-2	16	5	103	16	5	103	16	5	103	16	5	103	16	5	103	16	5	103	
TOTAL (LB.)	3707		3898		3898		4089		4089		4325		4325		4561					
STRUCTURAL CONCRETE (CY)	29.8		29.8		29.8		29.8		29.8		29.8		29.8		29.8					

COLUMN

REINFORCING STEEL	243'-0		H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	REINFORCING STEEL												TOTAL WEIGHT (LB.)		
	BAR	LENGTH				SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT		NO.	SIZE
5c1	43'-8	6	10	1127	16	6'-6	13.3	44	10	10'-0	1893	14	4	13'-9	129	28	4	15'-8	293	2315
6a3	43'-8	6	6	394	17	7'-6	15.3	44	10	11'-0	2083	16	4	13'-9	147	32	4	15'-8	335	2565
6a4	37'-6	2	6	113	18	8'-6	17.3	44	10	12'-0	2272	18	4	13'-9	165	36	4	15'-8	377	2814
6a5	28'-11	2	6	87	19	9'-6	19.4	44	10	13'-0	2461	20	4	13'-9	184	40	4	15'-8	419	3064
8b1	23'-2	8	8	495	20	10'-6	21.4	44	10	14'-0	2651	22	4	13'-9	202	44	4	15'-8	460	3313
5c2 VARIES	16'-2	22	5	371	21	11'-6	23.5	44	10	15'-0	2840	24	4	13'-9	220	48	4	15'-8	502	3562
5c3	6'-2	16	5	103	22	12'-6	25.5	44	10	16'-0	3029	26	4	13'-9	239	52	4	15'-8	544	3812
TOTAL (LB.)	4561																			
STRUCTURAL CONCRETE (CY)	29.8																			



PIER NOTES:
 SEE "TEE PIER NOTES" ON H30-02-06 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 H30-29-06 FOR "U" DIMENSION.

Iowa Department of Transportation
 Highway Division

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

TEE PIER
 CAP AND COLUMN
 45° SKEW

H30-78-06

LATEST REVISION DATE
 APPROVED BY BRIDGE ENGINEER
Thomas C. McQuinn