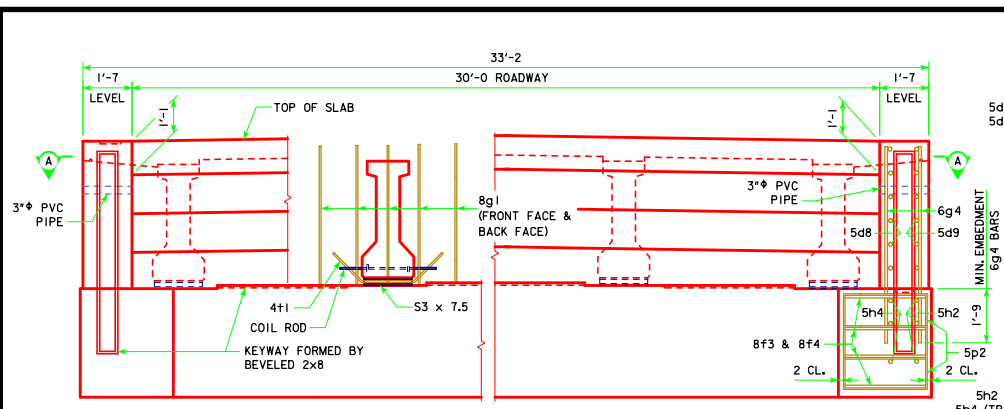
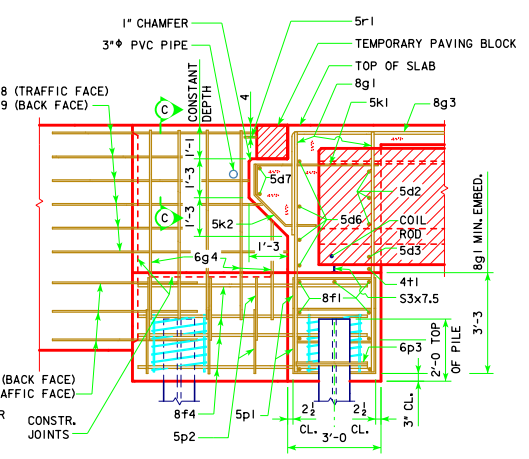


REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.



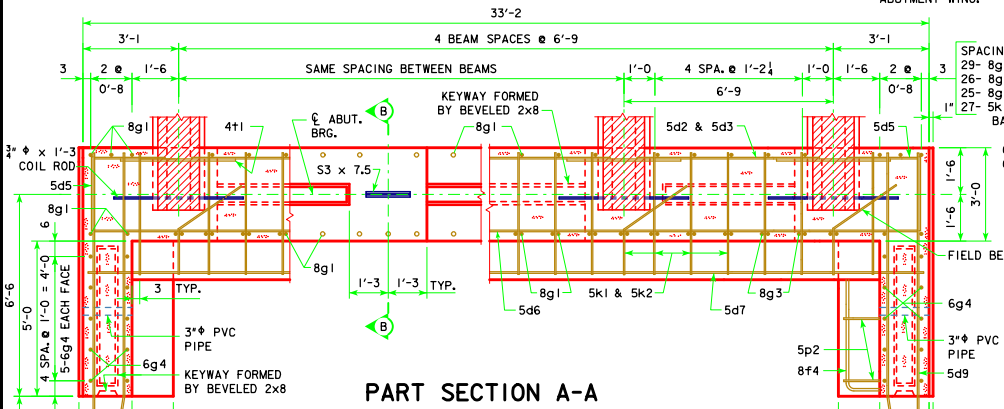
PART REAR ELEVATION AT ABUTMENT
NOTE: TOP OF ABUTMENT SHOWN FOR SOLID BARRIER RAIL



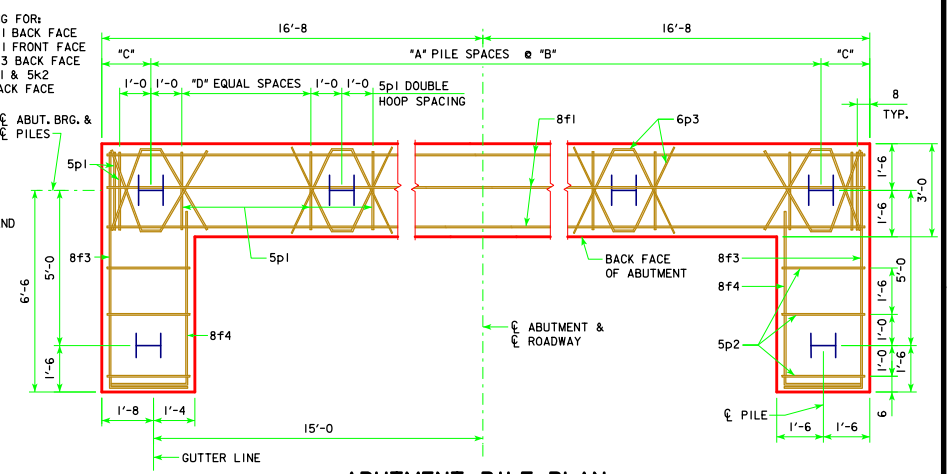
PART SECTION B-B

ABUTMENT NOTES:
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.
ABUTMENT PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.
BARRIER RAIL NOT SHOWN IN DETAILS.
IF ROCK IS CLOSER THAN 15' BELOW ABUTMENT FOOTING, SPECIAL ANALYSIS MAY BE REQUIRED.

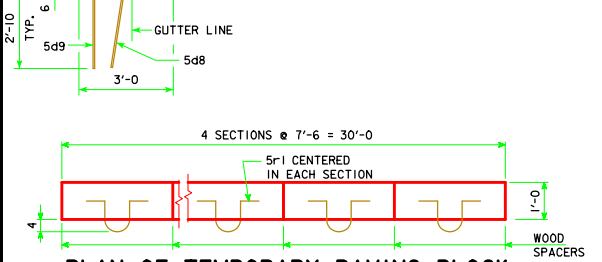
NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 21" DIAMETER, 3" PITCH WITH 3 - 1/8" x 1/4" x 1/4" SPACERS PUNCHED TO HOLD SPIRAL.



PART SECTION A-A

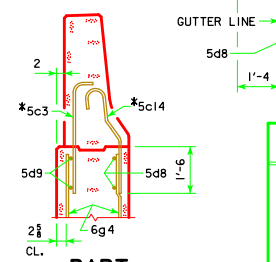


ABUTMENT PILE PLAN



PLAN OF TEMPORARY PAVING BLOCK

NOTE:
LINE PAVING NOTCH WITH TAR PAPER BEFORE PLACING THE TEMPORARY PAVING BLOCK.



PART SECTION C-C

* NOTE: SEE BARRIER RAIL SHEET FOR DETAILS. REINFORCING BARS 5c3 AND 5c14 ARE INCLUDED IN SUPERSTRUCTURE QUANTITIES.

ABUTMENT PILE SPACING		℄-℄ ABUT. BRG.			
		201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES	"A" PILE SPACES	5	6	6	6
	"B" (FT. - IN.)	5'-9	4'-9	4'-9	4'-9
	"C" (FT. - IN.)	2'-3 1/2	2'-5	2'-5	2'-5
	"D" EQUAL SPACES	3	3	3	3
	NO. OF PILES PER ABUT.	8	9	9	9
	P _u STRENGTH I DESIGN LOAD (KIPS)	143	126	130	138

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

LATEST REVISION DATE
04-13
Thomas E. M. D...ell
APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

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

ABUTMENT DETAILS
0° SKEW C BEAMS

H30-06-06