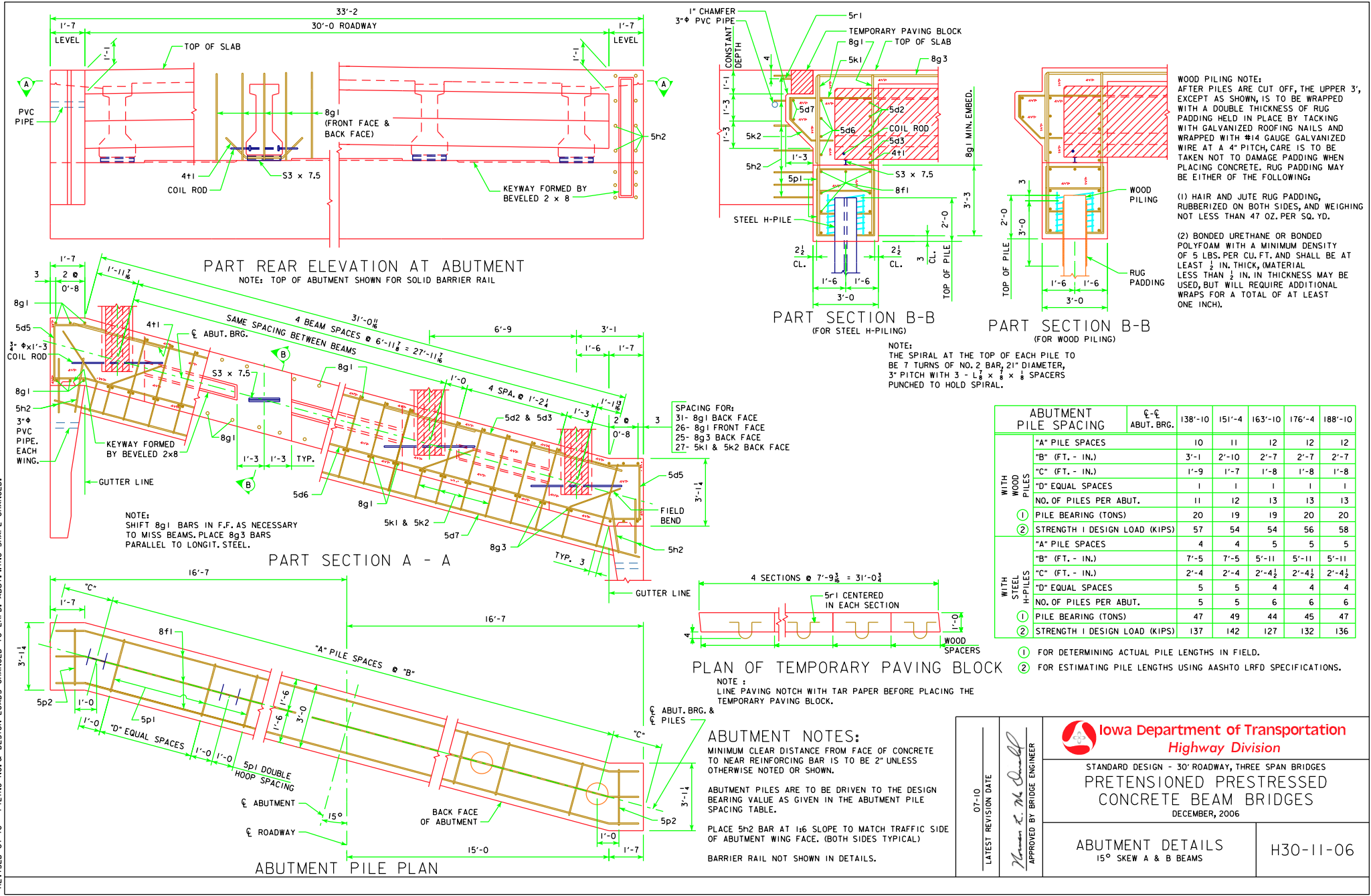


REVISED 07-10 - PILING NO. & DESIGN LOADS CHANGED TO LRFD. ABUT. WING SHAPE CHANGED.



ABUTMENT PILE SPACING		CL-CL ABUT. BRG.	138'-10	151'-4	163'-10	176'-4	188'-10
WITH WOOD PILES	"A" PILE SPACES		10	11	12	12	12
	"B" (FT. - IN.)		3'-1	2'-10	2'-7	2'-7	2'-7
	"C" (FT. - IN.)		1'-9	1'-7	1'-8	1'-8	1'-8
	"D" EQUAL SPACES		1	1	1	1	1
	NO. OF PILES PER ABUT.		11	12	13	13	13
	① PILE BEARING (TONS)		20	19	19	20	20
WITH STEEL H-PILES	② STRENGTH I DESIGN LOAD (KIPS)		57	54	54	56	58
	"A" PILE SPACES		4	4	5	5	5
	"B" (FT. - IN.)		7'-5	7'-5	5'-11	5'-11	5'-11
	"C" (FT. - IN.)		2'-4	2'-4	2'-4 1/2	2'-4 1/2	2'-4 1/2
	"D" EQUAL SPACES		5	5	4	4	4
	NO. OF PILES PER ABUT.		5	5	6	6	6
	① PILE BEARING (TONS)		47	49	44	45	47
	② STRENGTH I DESIGN LOAD (KIPS)		137	142	127	132	136

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

LATEST REVISION DATE
07-10

APPROVED BY BRIDGE ENGINEER
Thomas E. McQuinn

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

ABUTMENT DETAILS
15° SKEW A & B BEAMS

H30-11-06