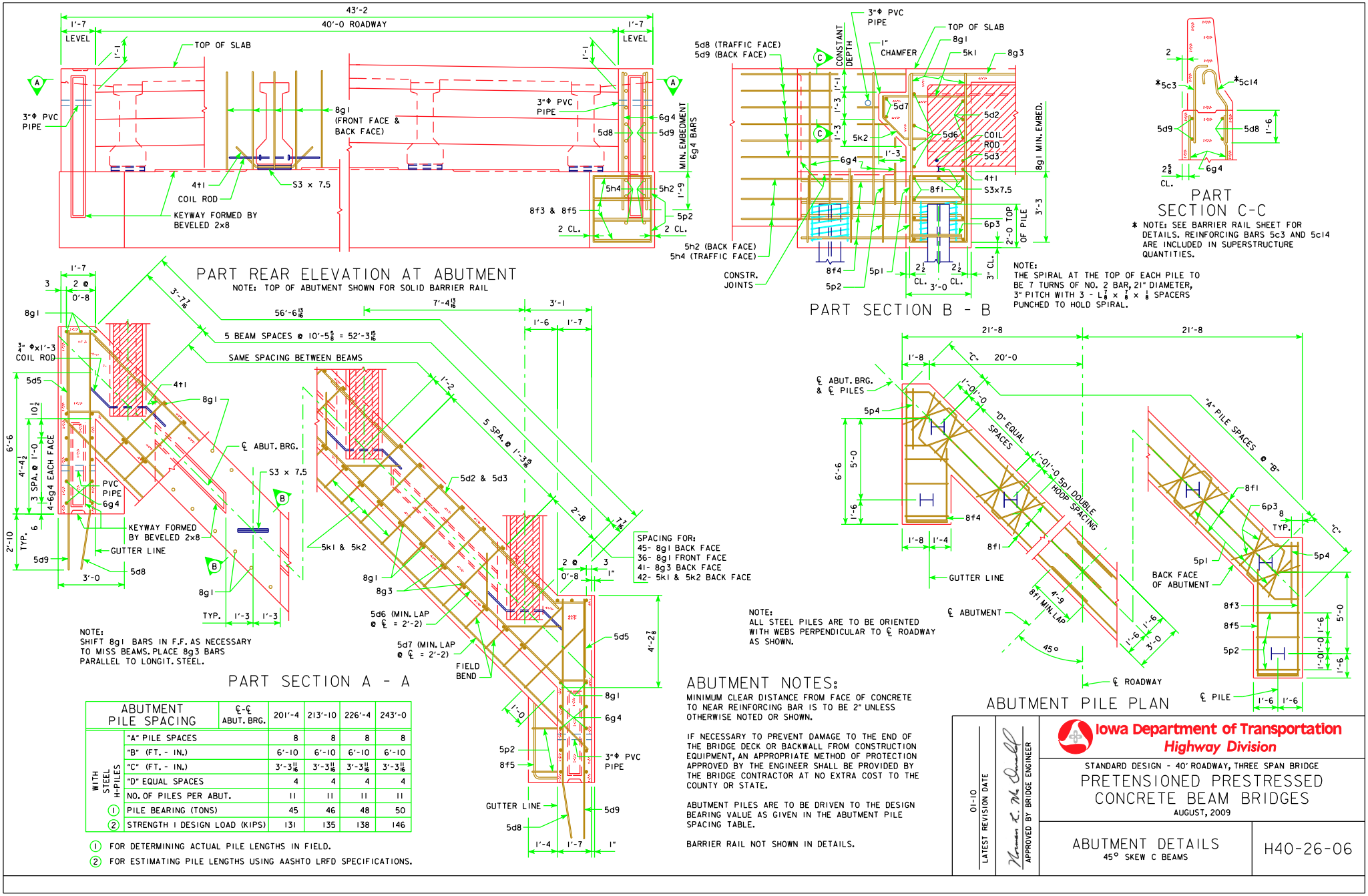

ABUTMENT PILE SPACING	℄-℄ ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES: "A" PILE SPACES		8	8	8	8
"B" (FT. - IN.)		6'-10	6'-10	6'-10	6'-10
"C" (FT. - IN.)		3'-3 11/16	3'-3 11/16	3'-3 11/16	3'-3 11/16
"D" EQUAL SPACES		4	4	4	4
NO. OF PILES PER ABUT.		11	11	11	11
(1) PILE BEARING (TONS)		45	46	48	50
(2) STRENGTH I DESIGN LOAD (KIPS)		131	135	138	146

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

ABUTMENT NOTES:

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

IF NECESSARY TO PREVENT DAMAGE TO THE END OF THE BRIDGE DECK OR BACKWALL FROM CONSTRUCTION EQUIPMENT, AN APPROPRIATE METHOD OF PROTECTION APPROVED BY THE ENGINEER SHALL BE PROVIDED BY THE BRIDGE CONTRACTOR AT NO EXTRA COST TO THE COUNTY OR STATE.

ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.

BARRIER RAIL NOT SHOWN IN DETAILS.

01-10
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

AUGUST, 2009

ABUTMENT DETAILS
45° SKEW C BEAMS

H40-26-06

REVISED 01-10 - ADDED DETERMINING & ESTIMATING DESCRIPTIONS FOR PILE LENGTHS.