



DIMENSION OR NO.	℄ TO ℄ ABUTMENT BEARING
"A"	340'-0
"B" (FT-IN)	10
"C" EQUAL SPACES	5'-6
NO. OF PILES PER ABUT.	4
① DESIGN PILE LOAD (TONS)	13
② STRENGTH I DESIGN LOAD (KIPS)	47
	137

PART
SECTION A-A

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.

ABUTMENT PILE PLAN



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

JUNE, 2010

ABUTMENT DETAILS
45° SKEW

RS40-016-10

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER