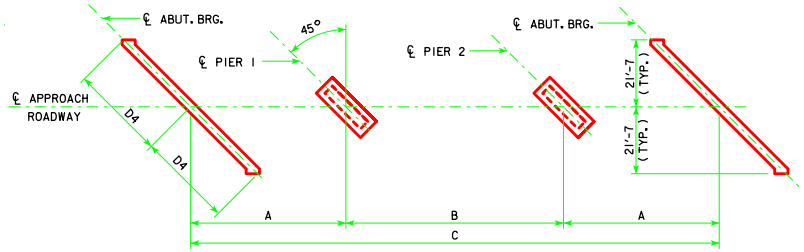
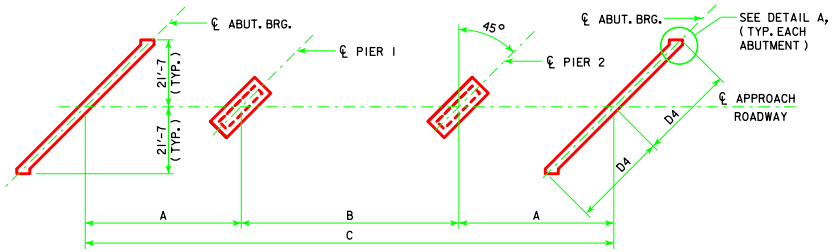
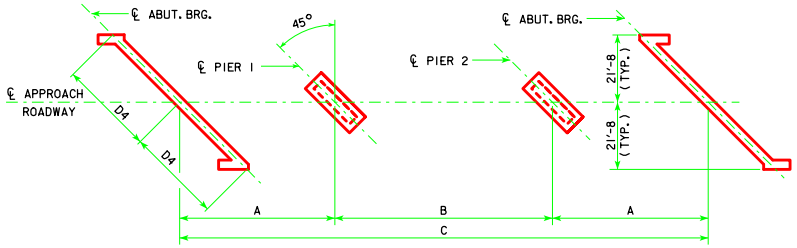


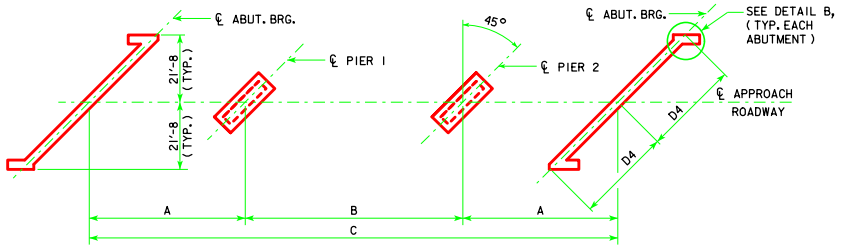
45° SKEW (R.A.)
(BRIDGES 160'-0 TO 320'-0)



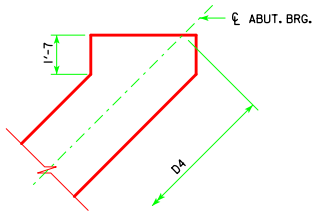
45° SKEW (L.A.)
(BRIDGES 160'-0 TO 320'-0)



45° SKEW (R.A.)
(340'-0 BRIDGE)

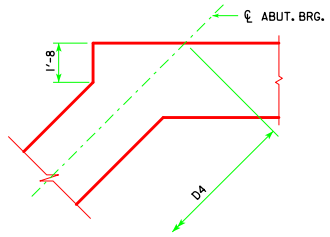


45° SKEW (L.A.)
(340'-0 BRIDGE)



DETAIL A

DIMENSION D4 APPLIES AT LOCATION SHOWN ALONG THE ℄ ABUTMENT BEARING (TYP.)



DETAIL B

DIMENSION D4 APPLIES AT LOCATION SHOWN ALONG THE ℄ ABUTMENT BEARING (TYP.)

BEAM BRIDGE STANDARDS

LENGTH	A	B	C	45°SKEW D4
160'-0	48'-0	64'-0	160'-0	30'-6 5/16"
180'-0	54'-0	72'-0	180'-0	30'-6 5/16"
200'-0	60'-0	80'-0	200'-0	30'-6 5/16"
220'-0	66'-0	88'-0	220'-0	30'-6 5/16"
240'-0	72'-0	96'-0	240'-0	30'-6 5/16"
260'-0	78'-0	104'-0	260'-0	30'-6 5/16"
280'-0	84'-0	112'-0	280'-0	30'-6 5/16"
300'-0	90'-0	120'-0	300'-0	30'-6 5/16"
320'-0	96'-0	128'-0	320'-0	30'-6 5/16"
340'-0	102'-0	136'-0	340'-0	30'-7 1/16"

NOTES:
1. ALL SUBSTRUCTURE UNITS ARE CONSTRUCTED PARALLEL TO THE SKEW INDICATED FOR EACH BRIDGE.

2. R.A. = RIGHT AHEAD
   L.A. = LEFT AHEAD

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

IOWADOT Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

OCTOBER, 2014

SUBSTRUCTURE LAYOUTS

RS40-006-14