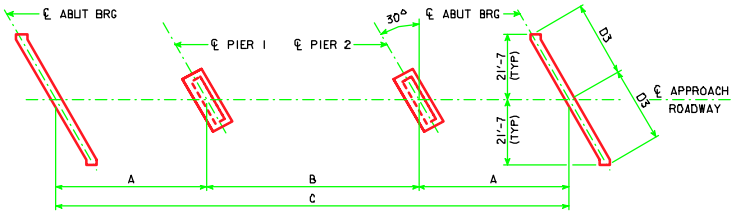
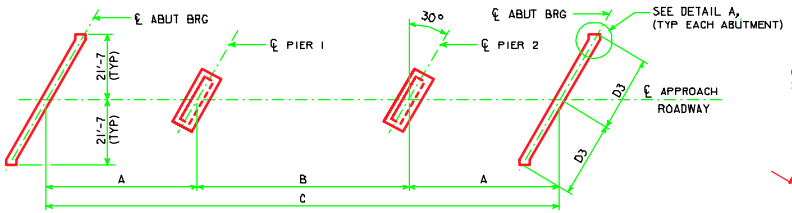
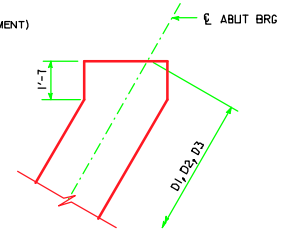


30° SKEW (R.A.)

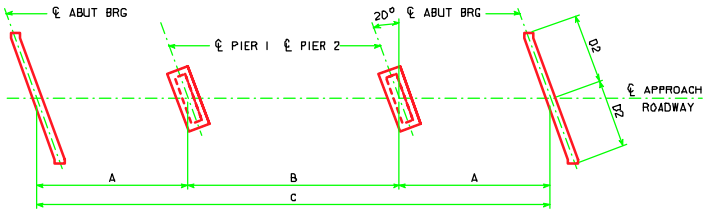


30° SKEW (L.A.)

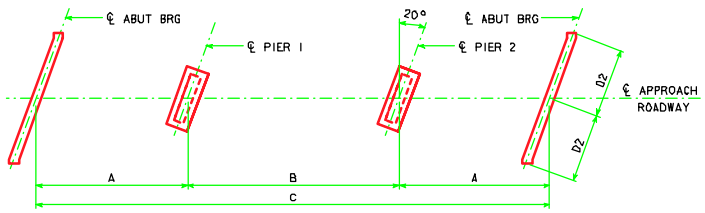


DETAIL A

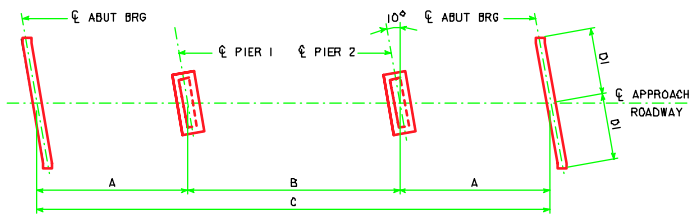
DIMENSION D1, D2, D3 APPLY AT LOCATION SHOWN ALONG THE ℄ ABUTMENT BEARING (TYP).



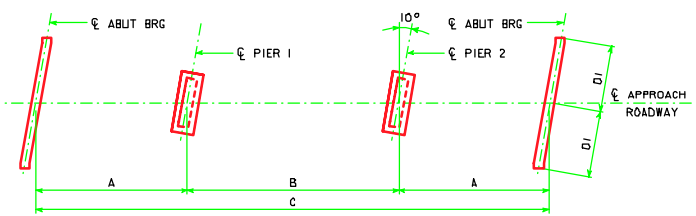
20° SKEW (R.A.)



20° SKEW (L.A.)



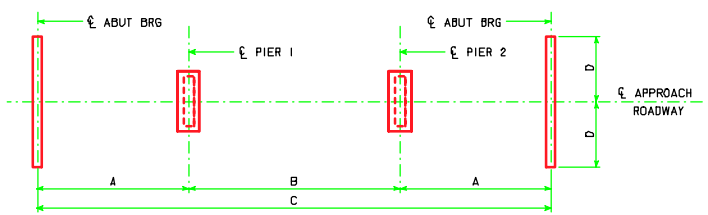
10° SKEW (R.A.)



10° SKEW (L.A.)

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

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



0° SKEW

BEAM BRIDGE STANDARDS

LENGTH	A	B	C	0°SKEW D	10°SKEW D1	20°SKEW D2	30°SKEW D3
160'-0	48'-0	64'-0	160'-0	21'-7	21'-11	22'-11 3/8	24'-11 1/8
180'-0	54'-0	72'-0	180'-0	21'-7	21'-11	22'-11 5/8	24'-11 1/8
200'-0	60'-0	80'-0	200'-0	21'-7	21'-11	22'-11 5/8	24'-11 1/8
220'-0	66'-0	88'-0	220'-0	21'-7	21'-11	22'-11 3/8	24'-11 1/8
240'-0	72'-0	96'-0	240'-0	21'-7	21'-11	22'-11 3/8	24'-11 1/8
260'-0	78'-0	104'-0	260'-0	21'-7	21'-11	22'-11 5/8	24'-11 1/8
280'-0	84'-0	112'-0	280'-0	21'-7	21'-11	22'-11 5/8	24'-11 1/8
300'-0	90'-0	120'-0	300'-0	21'-7	21'-11	22'-11 3/8	24'-11 1/8

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

FEBRUARY, 2004

SUBSTRUCTURE LAYOUTS

RS40-GD4-04