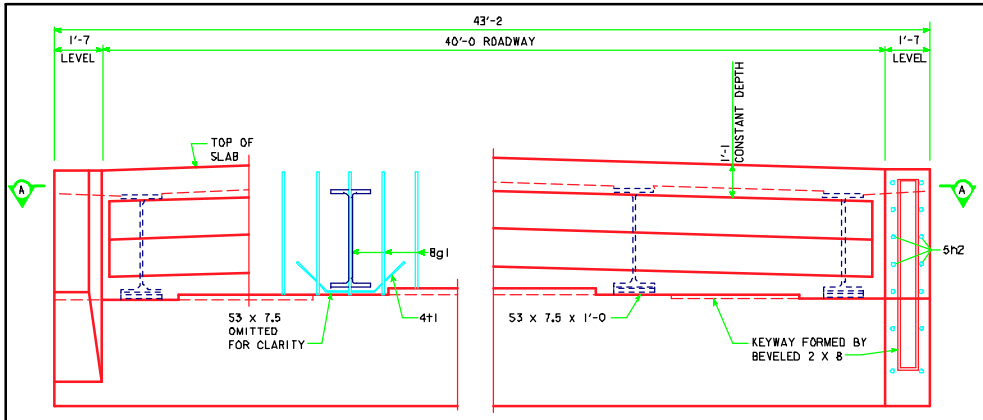
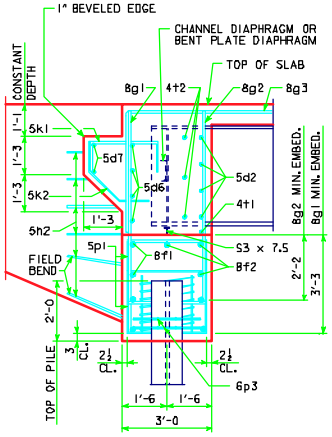
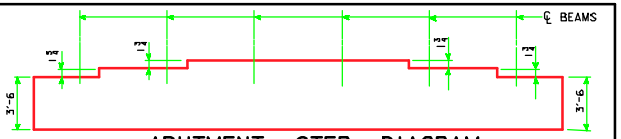



PART REAR ELEVATION AT ABUTMENT




PART SECTION B-B

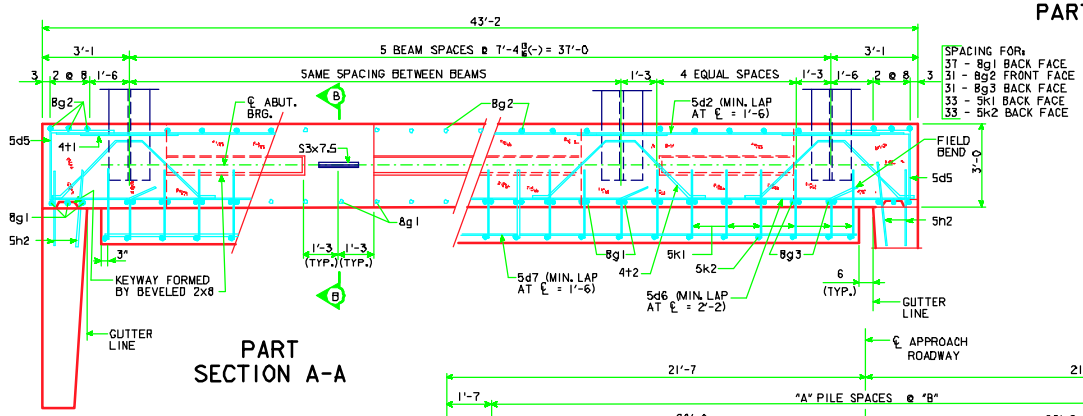



ABUTMENT STEP DIAGRAM
(REAR ELEVATION)

## ABUTMENT NOTES:

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

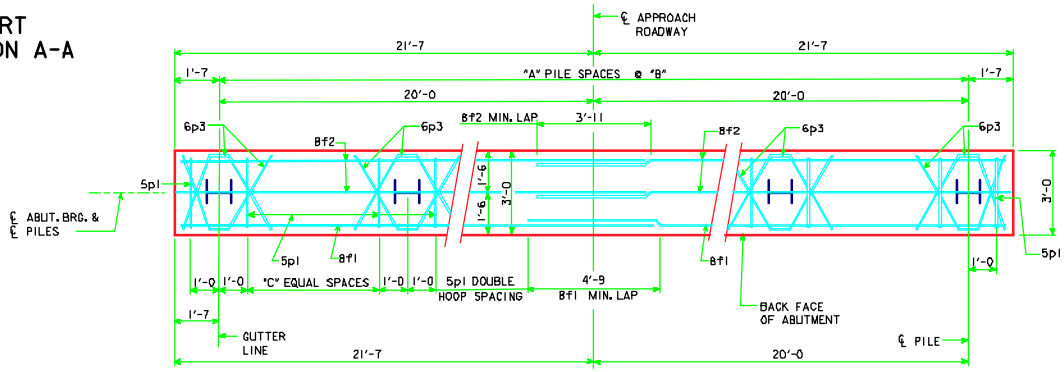
NOTES:
1. HOLES DRILLED THROUGH BEAM WEB FOR 5d2 AND 4t2 BARS.
2. THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF No. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - $L\frac{3}{8} \times \frac{3}{4} \times \frac{3}{8}$ SPACERS PUNCHED TO HOLD SPIRAL.




PART SECTION A-A

## ABUTMENT PILE SPACING

| DIMENSION OR NO. | ℄ TO ℄ ABUTMENT BEARING | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 160'-0 | 180'-0 | 200'-0 | 220'-0 | 240'-0 | 260'-0 | 280'-0 | 300'-0 |
| "A" (IN) | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 |
| "B" (FT-IN) | 6'-8 | 6'-8 | 5'-8 5/8 | 5'-8 5/8 | 5'-8 5/8 | 5'-8 5/8 | 5'-0 | 5'-0 |
| "C" EQUAL SPACES | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |
| NO. OF PILES PER ABUT. | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| DESIGN PILE LOAD (TONS) | 34 | 36 | 33 | 35 | 36 | 37 | 35 | 36 |




ABUTMENT PILE PLAN

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

ABUTMENT DETAILS
0° SKEW

RS40-ABI-04