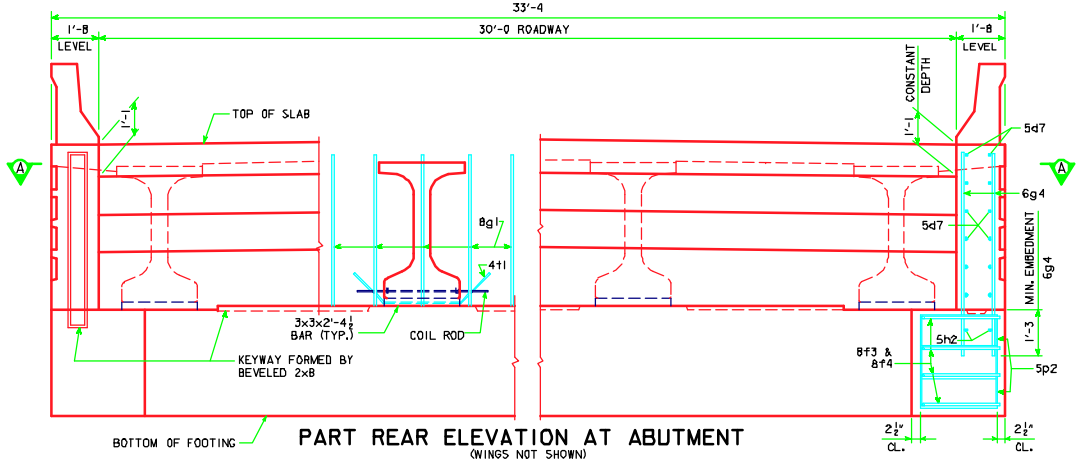
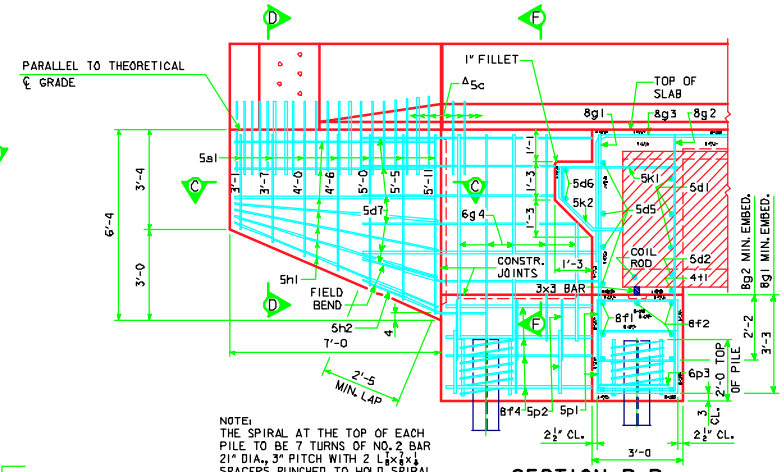
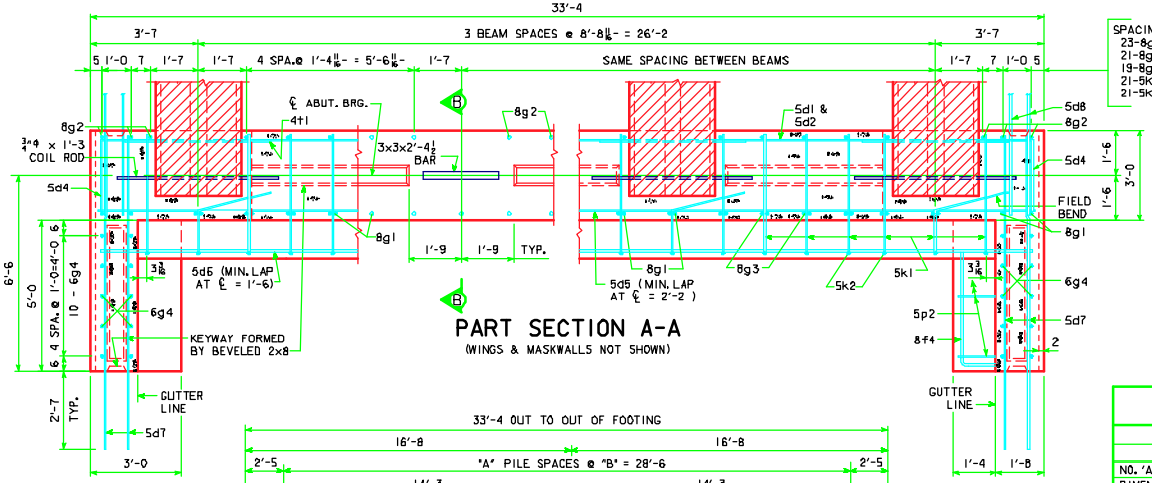


PART REAR ELEVATION AT ABUTMENT
(WINGS NOT SHOWN)



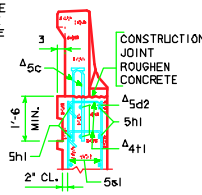
NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR 21" DIA., 3" PITCH WITH 2 L 1/8"x3/8"x1/8" SPACERS PUNCHED TO HOLD SPIRAL

SECTION B-B

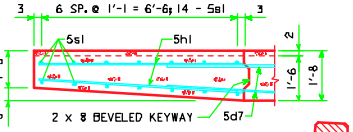


SPACING FOR:
23-8g1 BACK FACE
21-8g2 FRONT FACE
19-8g3 BACK FACE
21-5k1 BACK FACE
21-5k2 BACK FACE

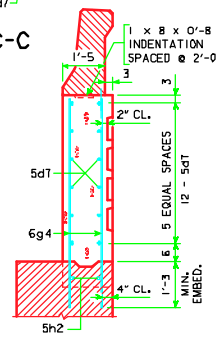
PART SECTION A-A
(WINGS & MASKWALLS NOT SHOWN)



SECTION D-D



PART SECTION C-C

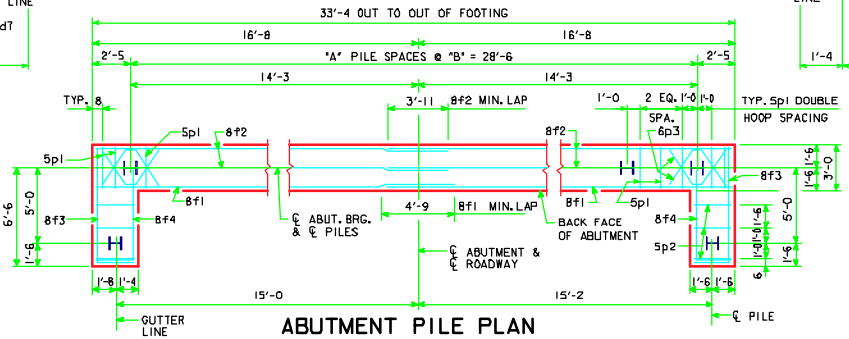


SECTION F-F

△NOTE:
SEE BT30-BR1-04 FOR DETAILS OF BARRIER RAIL AND SPACING FOR 5c BARRIER RAIL BARS. REINFORCING BARS #5c, 5d2 AND 4t1" ARE INCLUDED IN THE SUPERSTRUCTURE QUANTITIES.

ABUTMENT PILE INFORMATION

℄-℄ ABUT. BRG.	222'-0	232'-0	242'-0	252'-0	262'-0
BEAM SERIES	BTD110	BTD115	BTD120	BTD125	BTD130
NO. 'A'	7	7	8	8	8
DIMENSION 'B'	4'-0 7/8"	4'-0 7/8"	3'-6 3/4"	3'-6 3/4"	3'-6 3/4"
DESIGN BEARING (TONS)	49	50	45	46	48
TOTAL NO. OF PILES PER ABUTMENT	10	10	11	11	11



ABUTMENT PILE PLAN

NOTES:
SEE BT30-AB2-04 FOR ABUTMENT AND MASKWALL NOTES AND DETAILS.

HP10x57 STEEL BEARING PILE REQUIRED AT EACH ABUTMENT.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 30' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

ALL SPANS — JULY, 2004

INTEGRAL ABUTMENT DETAILS
0° SKEW

BT30-AB1-04