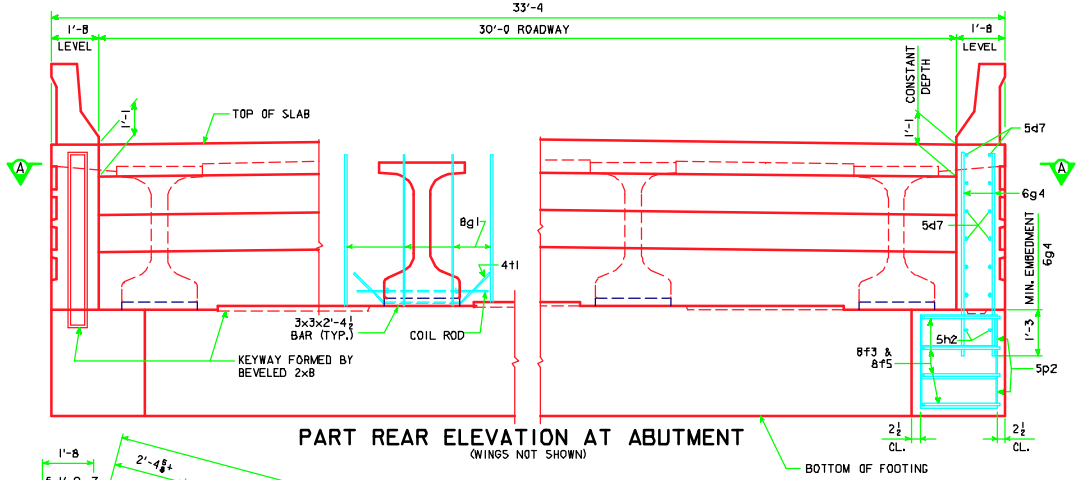
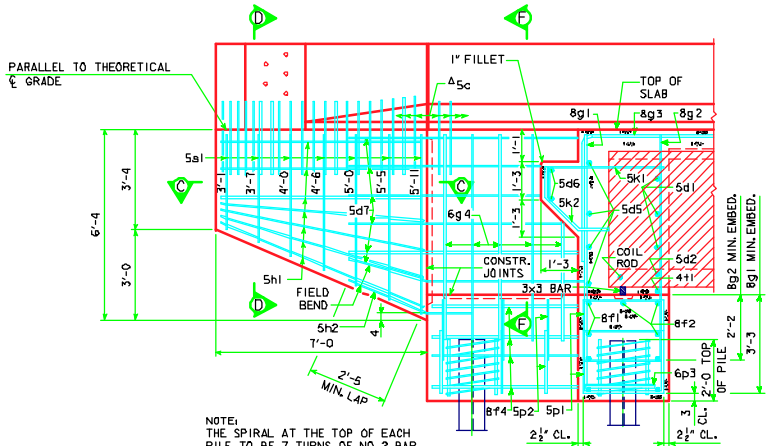


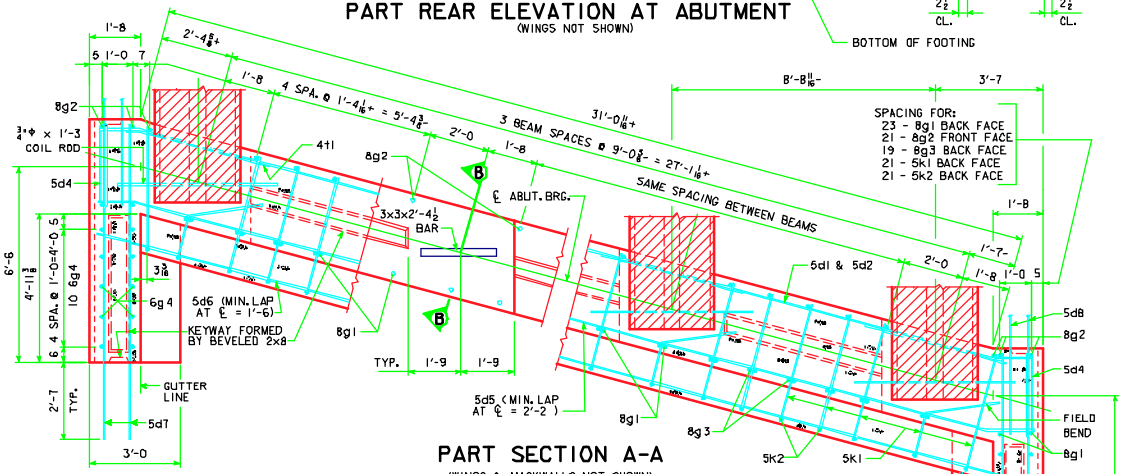
PART REAR ELEVATION AT ABUTMENT

(WINGS NOT SHOWN)



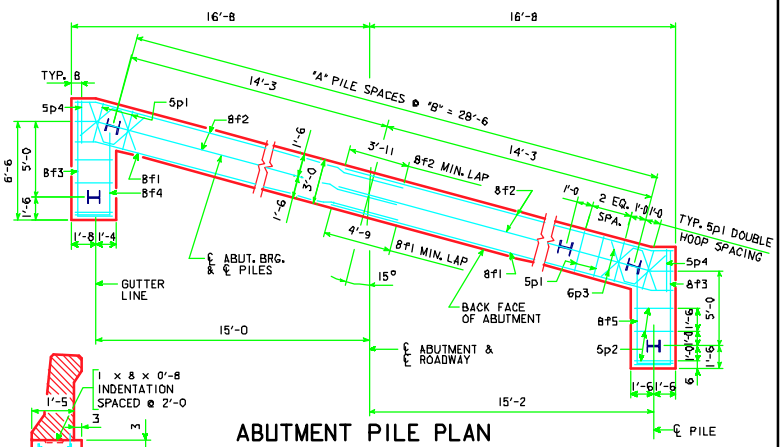
NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR 21" DIA., 3" PITCH WITH 2 L 1/8"x1/8"x1/8" SPACERS PUNCHED TO HOLD SPIRAL

SECTION B-B

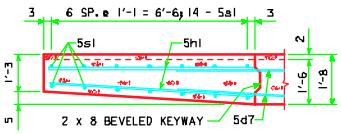


PART SECTION A-A

(WINGS & MASKWALLS NOT SHOWN)



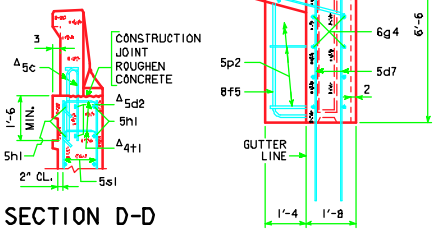
ABUTMENT PILE PLAN



PART SECTION C-C

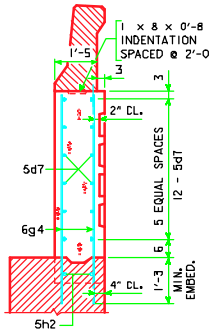
NOTES:
SEE BT30-AB8-04 FOR ABUTMENT AND MASKWALL NOTES AND DETAILS.

HP10x57 STEEL BEARING PILE REQUIRED AT EACH ABUTMENT.



SECTION D-D

△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.



SECTION F-F

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 3/8	3'-6 3/8	3'-6 3/8
DESIGN BEARING (TONS)	49	50	46	47	48
TOTAL NO. OF PILES PER ABUTMENT	10	10	11	11	11

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
15° SKEW

BT30-AB7-04