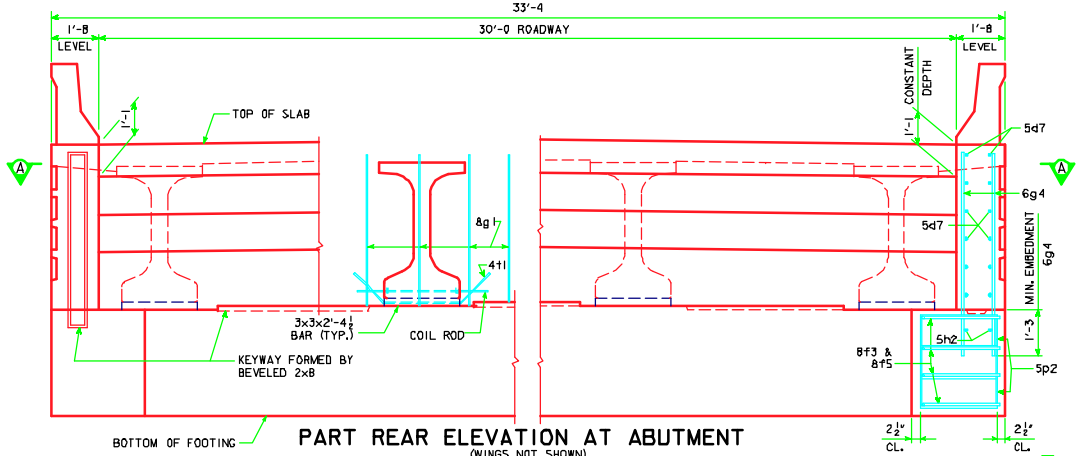
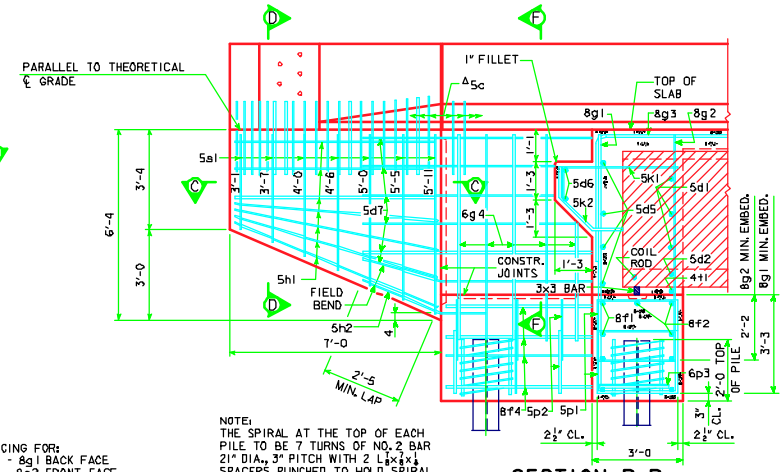


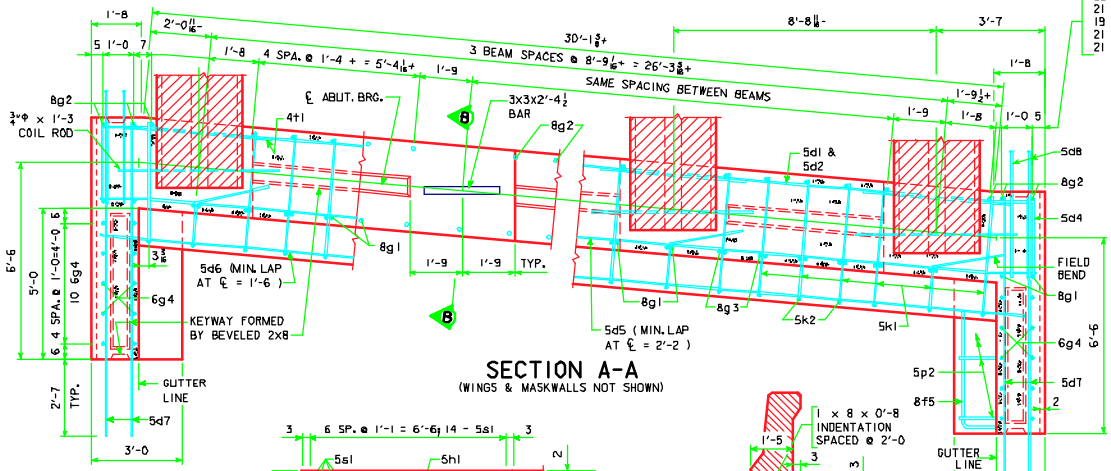
PART REAR ELEVATION AT ABUTMENT
(WINGS NOT SHOWN)



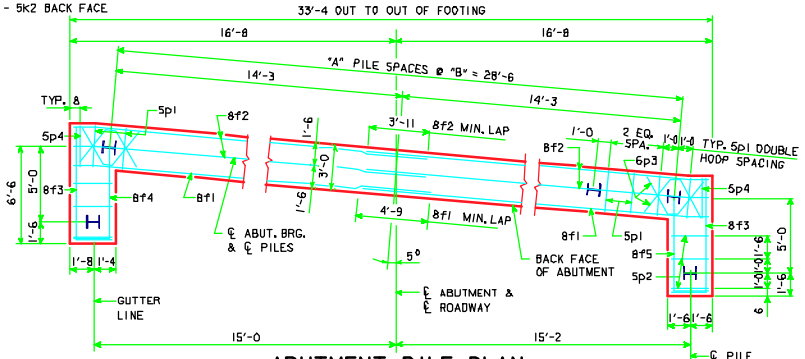
NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR 21" DIA., 3" PITCH WITH 2 L⅛"x⅛"x⅛" SPACERS PUNCHED TO HOLD SPIRAL

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



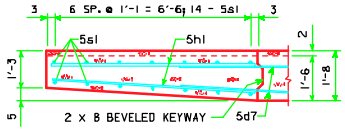
SECTION A-A
(WINGS & MASKWALLS NOT SHOWN)



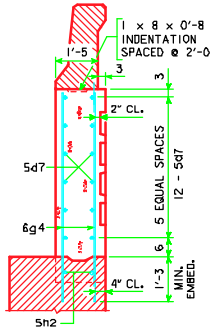
ABUTMENT PILE PLAN

NOTES:
SEE BT30-AB4-04 FOR ABUTMENT AND MASKWALL NOTES AND DETAILS.

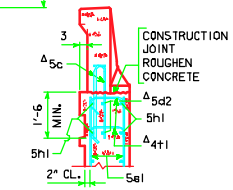
HP10x57 STEEL BEARING PILE REQUIRED AT EACH ABUTMENT.



PART SECTION C-C



SECTION F-F



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.

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'-0⅞	4'-0⅞	3'-6¾	3'-6¾	3'-6¾
DESIGN BEARING (TONS)	49	50	45	46	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
5° SKEW

BT30-AB3-04