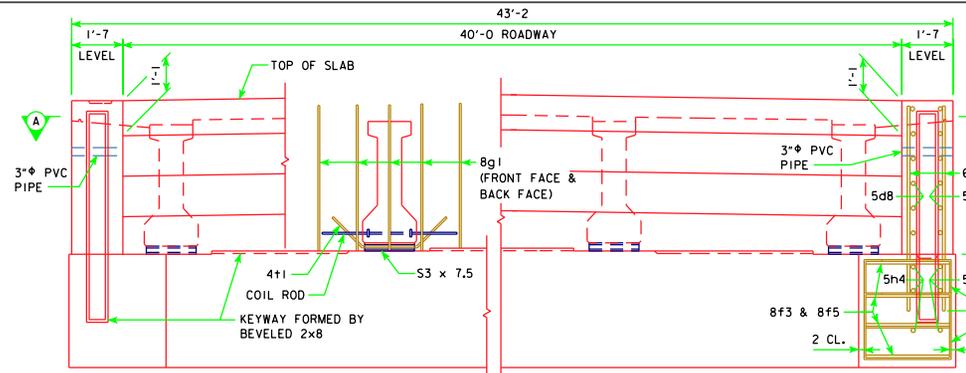
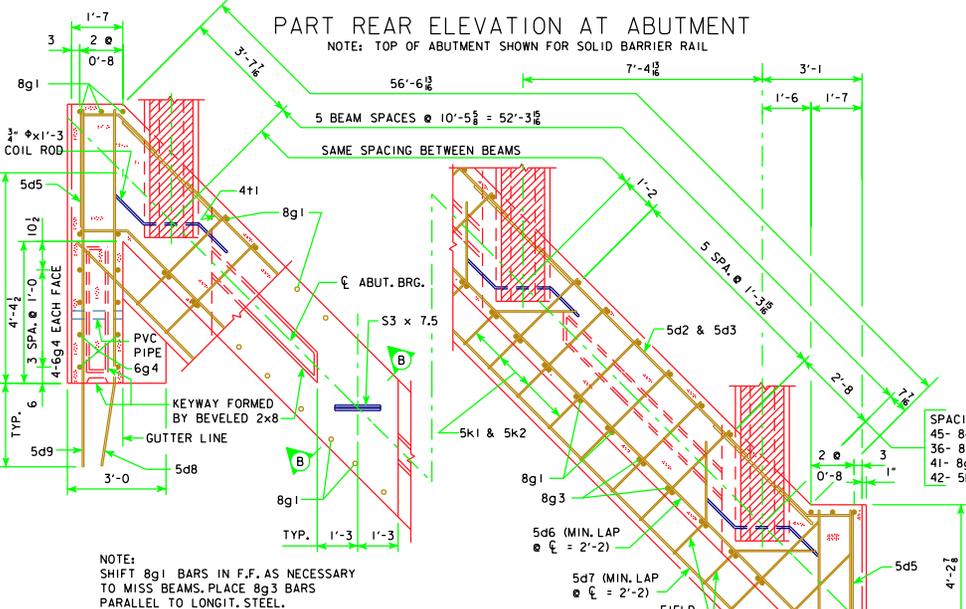


REVISED 01-10 - ADDED DETERMINING & ESTIMATING DESCRIPTIONS FOR PILE LENGTHS.



PART REAR ELEVATION AT ABUTMENT

NOTE: TOP OF ABUTMENT SHOWN FOR SOLID BARRIER RAIL

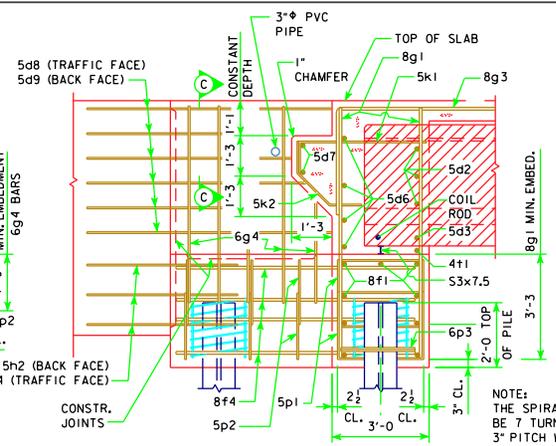


PART SECTION A - A

NOTE: SHIFT 8g1 BARS IN F.F. AS NECESSARY TO MISS BEAMS. PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.

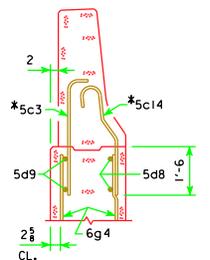
ABUTMENT PILE SPACING		CL-CL ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL I-PILES	*"A" PILE SPACES		8	8	8	8
	"B" (FT. - IN.)		6'-10	6'-10	6'-10	6'-10
	"C" (FT. - IN.)		3'-3 1/8	3'-3 1/8	3'-3 1/8	3'-3 1/8
	"D" EQUAL SPACES		4	4	4	4
	NO. OF PILES PER ABUT.		11	11	11	11
①	PILE BEARING (TONS)		45	46	48	50
②	STRENGTH I DESIGN LOAD (KIPS)		131	135	138	146

- ① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- ② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.

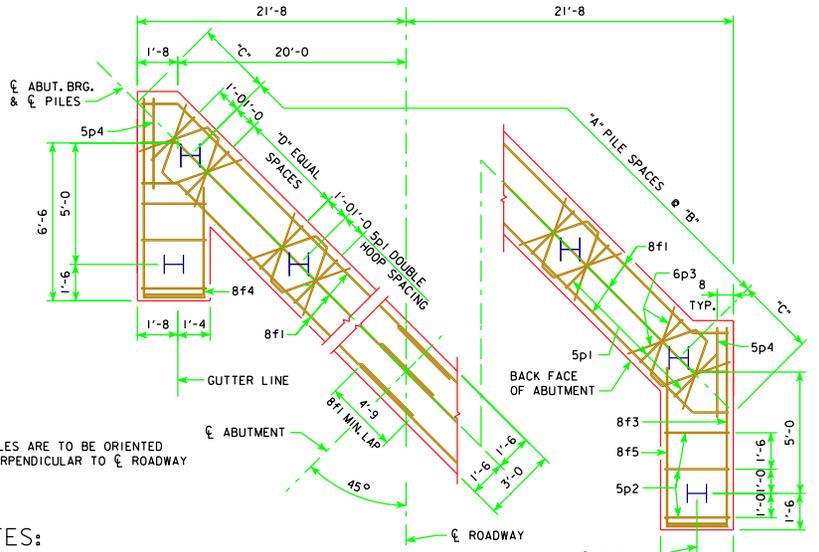


PART SECTION B - B

NOTE: THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 2 1/4\"/>



PART SECTION C-C
 * NOTE: SEE BARRIER RAIL SHEET FOR DETAILS. REINFORCING BARS 5c3 AND 5c14 ARE INCLUDED IN SUPERSTRUCTURE QUANTITIES.



ABUTMENT PILE PLAN

ABUTMENT NOTES:

- MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2\"/>
- IF NECESSARY TO PREVENT DAMAGE TO THE END OF THE BRIDGE DECK OR BACKWALL FROM CONSTRUCTION EQUIPMENT, AN APPROPRIATE METHOD OF PROTECTION APPROVED BY THE ENGINEER SHALL BE PROVIDED BY THE BRIDGE CONTRACTOR AT NO EXTRA COST TO THE COUNTY OR STATE.
- ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.
- BARRIER RAIL NOT SHOWN IN DETAILS.

01-10 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		ABUTMENT DETAILS 45° SKEW C BEAMS	
		H40-26-06	