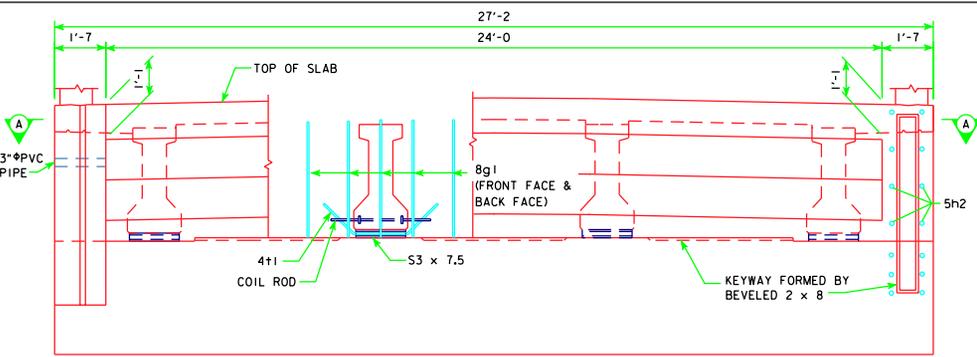
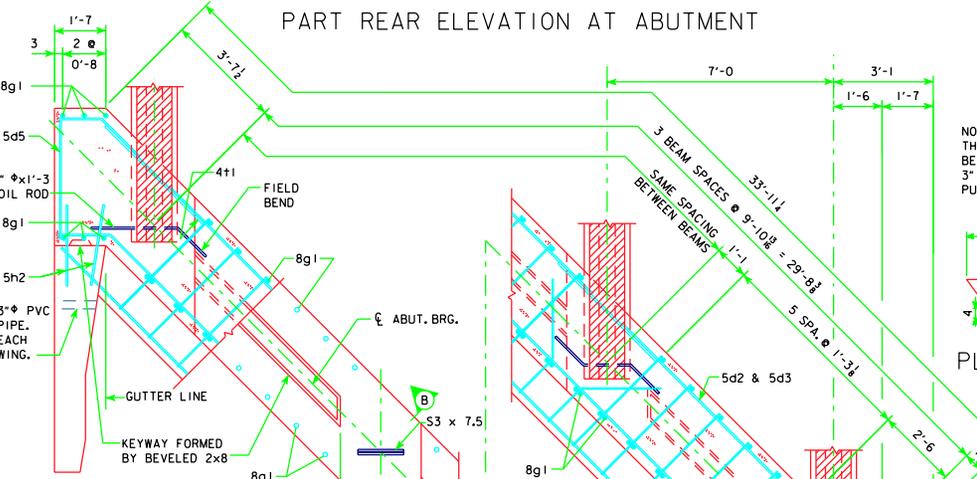


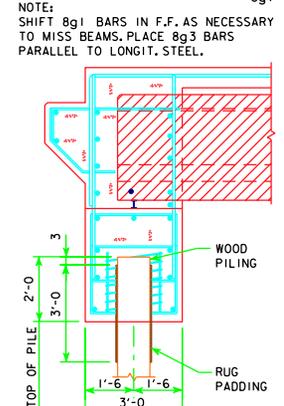
REVISED 01-10 - PILING NO. & DESIGN LOADS CHANGED TO LRFD. ABUT. WING SHAPE CHANGED.



PART REAR ELEVATION AT ABUTMENT



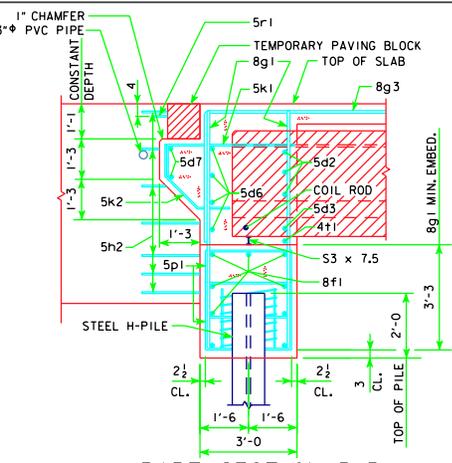
PART SECTION A - A



PART SECTION B-B (FOR WOOD PILING)

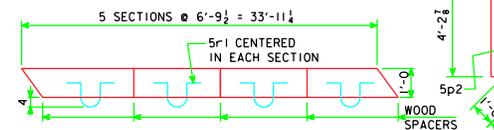
WOOD PILING NOTE:
 AFTER PILES ARE CUT OFF, THE UPPER 3', EXCEPT AS SHOWN, IS TO BE WRAPPED WITH A DOUBLE THICKNESS OF RUG PADDING HELD IN PLACE BY TACKING WITH GALVANIZED ROOFING NAILS AND WRAPPED WITH #14 GAUGE GALVANIZED WIRE AT A 4° PITCH, CARE IS TO BE TAKEN NOT TO DAMAGE PADDING WHEN PLACING CONCRETE. RUG PADDING MAY BE EITHER OF THE FOLLOWING:

- (1) HAIR AND JUTE RUG PADDING, RUBBERIZED ON BOTH SIDES, AND WEIGHING NOT LESS THAN 47 OZ. PER SQ. YD.
- (2) BONDED URETHANE OR BONDED POLYFOAM WITH A MINIMUM DENSITY OF 5 LBS. PER CU. FT. AND SHALL BE AT LEAST 1/2 IN. THICK, (MATERIAL LESS THAN 1/2 IN. IN THICKNESS MAY BE USED, BUT WILL REQUIRE ADDITIONAL WRAPS FOR A TOTAL OF AT LEAST ONE INCH).



PART SECTION B-B (FOR STEEL H-PILING)

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



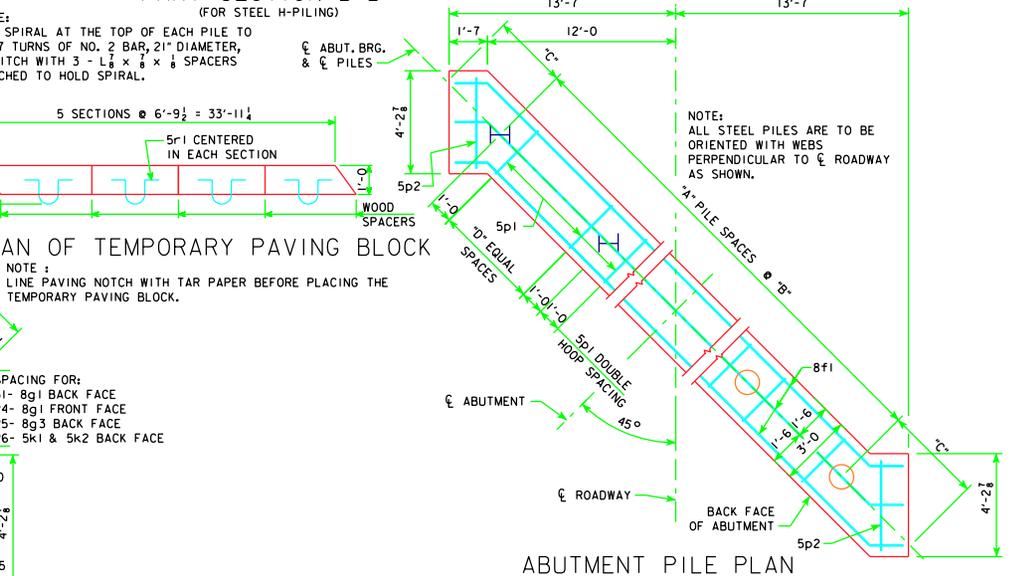
PLAN OF TEMPORARY PAVING BLOCK

NOTE:
 LINE PAVING NOTCH WITH TAR PAPER BEFORE PLACING THE TEMPORARY PAVING BLOCK.

SPACING FOR:
 31- 8g1 BACK FACE
 24- 8g1 FRONT FACE
 25- 8g3 BACK FACE
 26- 5k1 & 5k2 BACK FACE

ABUTMENT PILE SPACING		℄-℄ ABUT. BRG.	138'-10	151'-4	163'-10	176'-4	188'-10
WITH WOOD PILES	"A" PILE SPACES		10	10	11	12	12
	"B" (FT. - IN.)		3'-5	3'-5	3'-1	2'-10	2'-10
	"C" (FT. - IN.)		2'-1 1/2	2'-1 1/2	2'-3	2'-2 1/2	2'-2 1/2
	"D" EQUAL SPACES		2	2	1	1	1
NO. OF PILES PER ABUT.			11	11	12	13	13
WITH STEEL H-PILES	"A" PILE SPACES		4	4	5	5	5
	"B" (FT. - IN.)		8'-0	8'-0	6'-4	6'-4	6'-4
	"C" (FT. - IN.)		3'-2 1/2	3'-2 1/2	3'-4 1/2	3'-4 1/2	3'-4 1/2
	"D" EQUAL SPACES		5	5	4	4	4
NO. OF PILES PER ABUT.			5	5	6	6	6
①	PILE BEARING (TONS)		46	48	43	44	45
	STRENGTH I DESIGN LOAD (KIPS)		134	139	123	127	131

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



ABUTMENT PILE PLAN

NOTE:
 ALL STEEL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR TO ℄ ROADWAY AS SHOWN.

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

ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.

PLACE 5h2 BAR AT 1:6 SLOPE TO MATCH TRAFFIC SIDE OF ABUTMENT WING FACE. (BOTH SIDES TYPICAL)

LATEST REVISION DATE 01-10	APPROVED BY BRIDGE ENGINEER <i>Thomas C. McQuinn</i>		
		STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
ABUTMENT DETAILS 45° SKEW A & B BEAMS		H24-25-06	