



REVISED 01-12 - ADDED FIELD BEND 5H4 BAR TO AVOID PILE IN ABUTMENT WING NOTE.

NOTE: BRIDGE IS SYMMETRICAL ABOUT  $\phi$

SEE BARRIER RAIL DETAILS FOR BARS AND BAR SPACING

PARALLEL TO THE THEORETICAL  $\phi$  GRADE

NOTE: PLUG 3"  $\phi$  PVC PIPE WITH EXPANDING FOAM PRIOR TO BACKFILLING BEHIND ABUTMENTS.

**EXPANSION PIER**  
(REQUIRED AT ONE PIER, ONLY IF TEE PIERS ARE USED)

**PART END VIEW AT ABUTMENT**  
PROVIDE ELEVATIONS A, B AND C IN THE BRIDGE PLAN SHEETS.

**SECTION A-A**

**DETAIL "A"**

**LOCATION OF BEAM COILS AND STEEL DIAPHRAGM BOLT HOLES**

**PART SECTION C-C**

**SECTION B-B**  
NOTE: SEE SHEET H40-44-06 FOR EXPANSION PIER BEARING DETAILS

**PART PLAN**

**PART SECTION AT PIER**

**DETAIL "C"**

**SECTION D-D**

**NOTE:**  
SEE END SECTION DETAILS IN THESE PLANS FOR DETAILS OF BARRIER RAIL END SECTION. REINFORCING BARS 6c3, 6c4, 5c5-10, 6d2 & 4+1 ARE INCLUDED IN THE SUPERSTRUCTURE QUANTITIES.

LATEST REVISION DATE  
*Thomas E. Mc Donnell*  
APPROVED BY BRIDGE ENGINEER

STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> AUGUST, 2009	
<b>LONGITUDINAL SECTION</b> 45° SKEW C BEAMS	<b>H40-28-06</b>