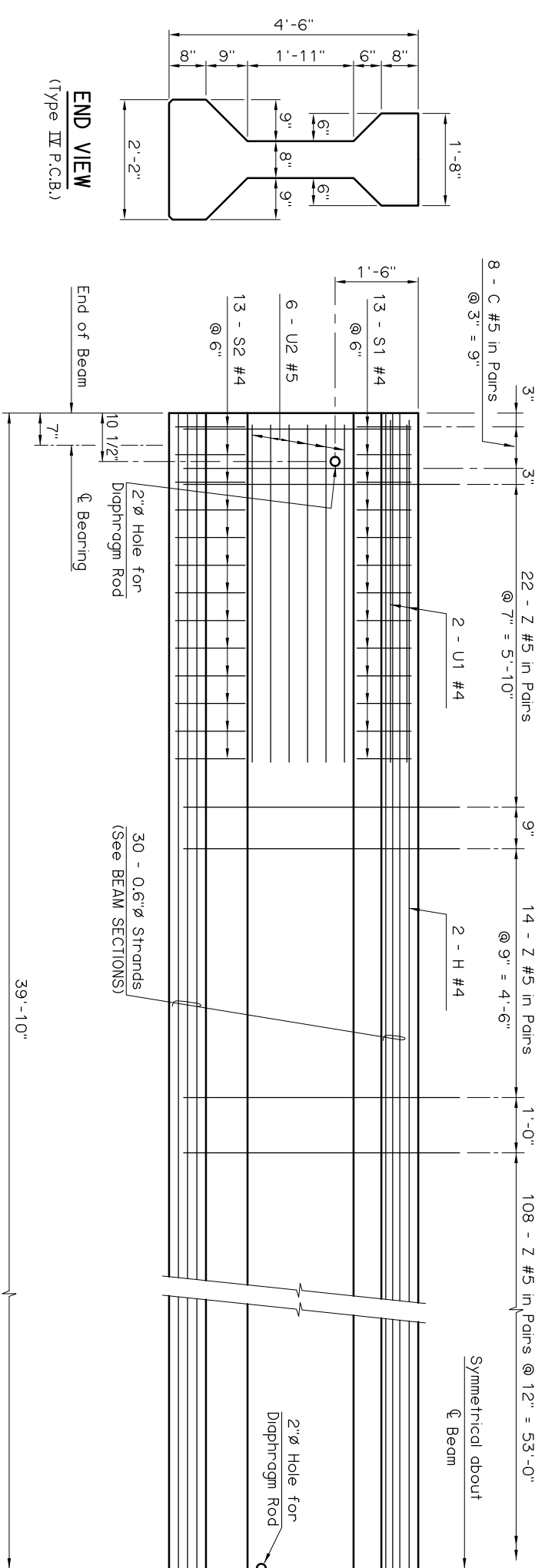
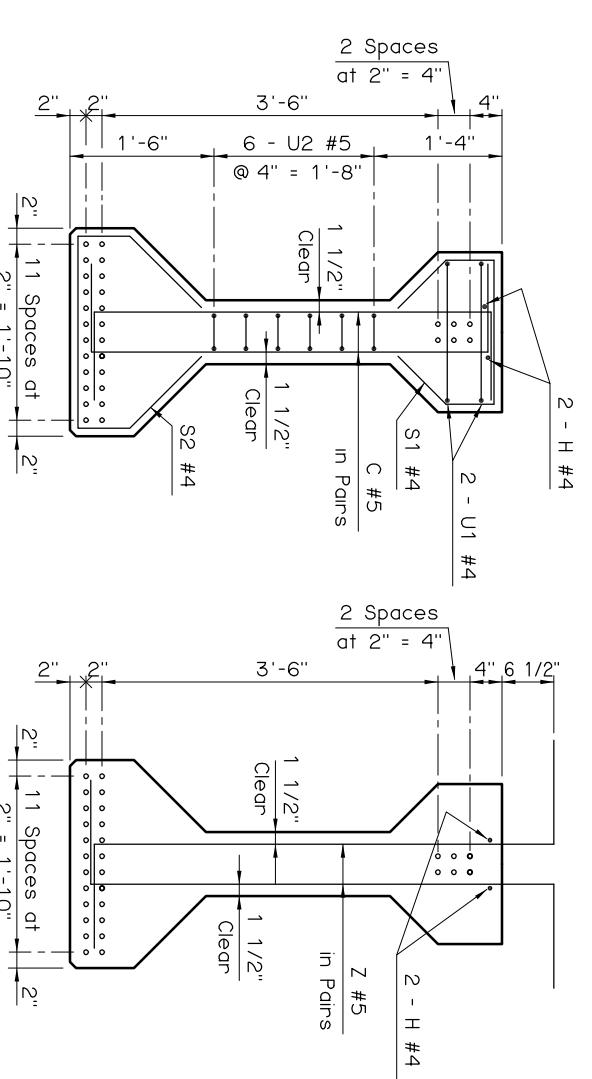
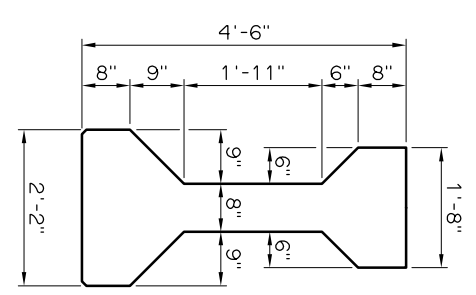


**PLAN**



**ELEVATION**

**END VIEW**  
(Type IV P.C.B.)

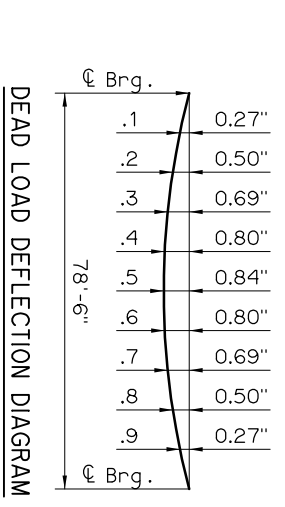


**END SECTION**

**SECTION**

**BEAM SECTIONS**  
(30 - 0.6"Ø STRANDS)

Information shown on this sheet is applicable only to the standard bridge cross-section with 40' Clear Roadway, 8" Deck Slab and 4 Beams at 11'-4" spacing. Stay-In-Place Deck Forms are permitted if the conditions listed in the STAY-IN-PLACE DECK FORM NOTES on LONGITUDINAL SECTION sheet are satisfied. Any modification will require a custom design with an appropriate Dead Load Deflection Diagram.

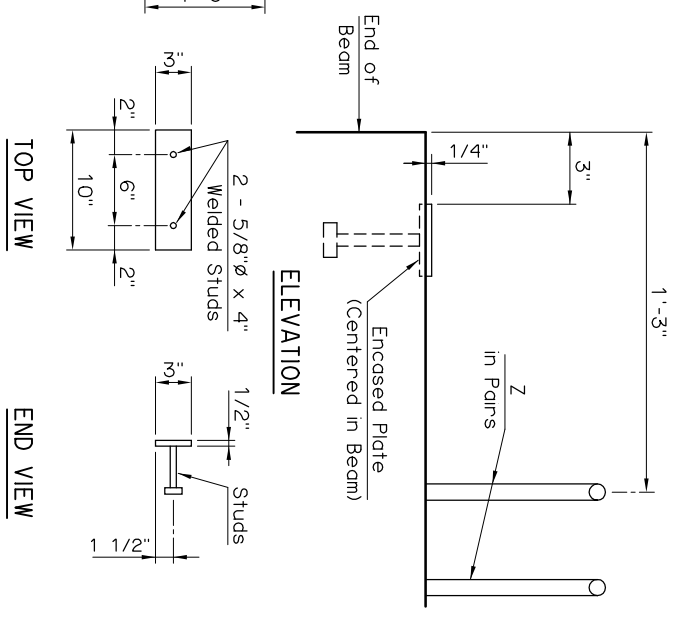


**DEAD LOAD DEFLECTION DIAGRAM**

**NOTE:**  
The Dead Load Deflection shown above at the tenth points are the initial deflections due to Deck Slab + Diaphragms + 5 p.s.f. Deck Form Allowance + Concrete Traffic Rail. It does not include the Beam weight or Future Wearing Surface.

**NOTE:**  
Encased Beam Plate located at expansion end only.

**ENCASED BEAM PLATE DETAILS**



**PRESSRESSED CONCRETE BEAM NOTES**  
**COMPRESSIVE STRENGTH**  
The required compressive strength of the concrete is 5,250 p.s.i. at transfer of prestress and 7,000 p.s.i. at 28 days.  
**STRAND TYPE**  
The required strand type is low-relaxation. Use strand having a nominal diameter of 0.6 with ultimate tensile strength of 270 k.s.i.  
**LFD OPERATING RATING - HS 41.7**  
The Operating Rating shown is based on a nominal strength using only strands that are bonded for the full length of the beam. All partially bonded strands are neglected in strength computations.

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE *8/1/2013*  
OKLAHOMA DEPT. OF TRANSPORTATION  
BRIDGE STANDARD (ENGLISH)  
TYPE IV P.C. BEAM DETAILS  
80' SPAN  
CONVENTIONAL  
1999 SPECIFICATIONS B40-C-PCB-IV-80 OOE B-307E