

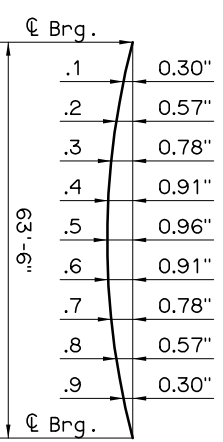
**HALF ELEVATION AT ABUTMENT**

**HALF ELEVATION AT PIER**

**PRESTRESSED CONCRETE BEAM NOTES**

**COMPRESSIVE STRENGTH**  
 The required compressive strength of the concrete is 6,300 p.s.i. at transfer of prestress and 9,000 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 35.1**  
 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.



**DEAD LOAD DEFLECTION DIAGRAM**

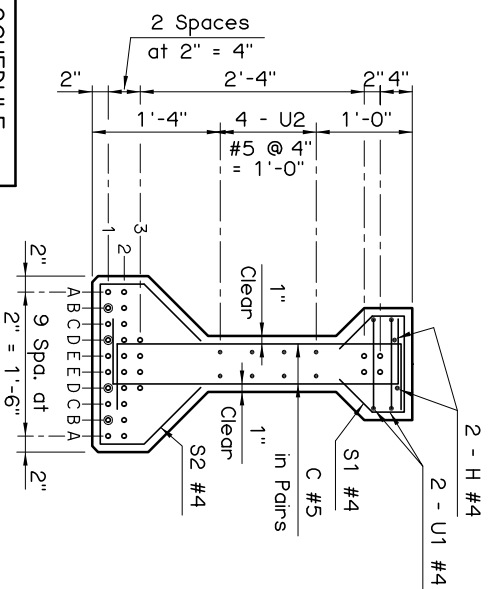
**NOTE:**  
 The Dead Load Deflection shown above at the tenth points are the initial deflections due to Deck Slab + Diaphragms + 5 p.s.f. Deck Form Allowance + Concrete Traffic Rail. It does not include the Beam weight or Future Wearing Surface.

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.

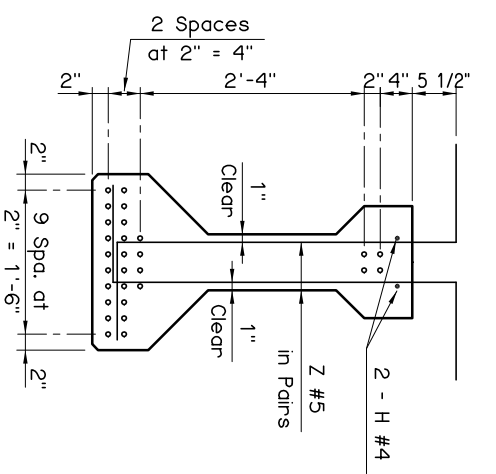
**DEBOND SCHEDULE**

DEBOND PAIR	DEBOND LENGTH FROM END OF BEAM
B1	20'-0"
D1	10'-0"

**END SECTION**



**Q SECTION**



**BEAM SECTIONS**  
 (28 - 0.6"Ø STRANDS)

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE 12-1-04

OKLAHOMA DEPT. OF TRANSPORTATION  
 BRIDGE STANDARD (ENGLISH)  
**TYPE C P.C. BEAM DETAILS**  
 65' SPAN  
 INTEGRAL

1999 SPECIFICATIONS B40-I-PCB-C-65