

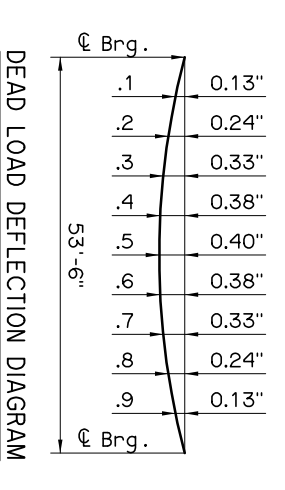
**HALF ELEVATION AT ABUTMENT**

**HALF ELEVATION AT PIER**

**PRESTRESSED CONCRETE BEAM NOTES**

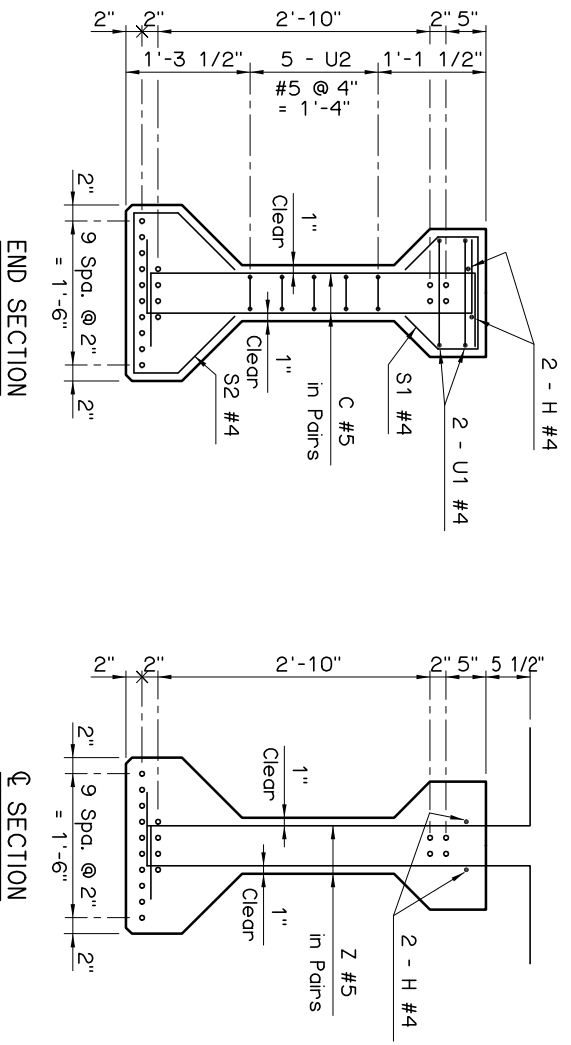
**COMPRESSIVE STRENGTH**  
 The required compressive strength of the concrete is 4,500 p.s.i. at transfer of prestress and 6,000 p.s.i. at 28 days.

**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 37.8  
 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.



**END SECTION**

**SECTION**

**BEAM SECTIONS**

(18 - 0.6"Ø STRANDS)

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE 12-1-04  
 OKLAHOMA DEPT. OF TRANSPORTATION  
 BRIDGE STANDARD (ENGLISH)  
**TYPE III P.C. BEAM DETAILS**  
**55' SPAN**  
**INTEGRAL**