

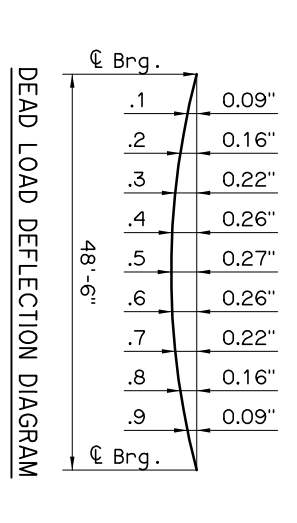
HALF ELEVATION AT ABUTMENT

HALF ELEVATION AT PIER

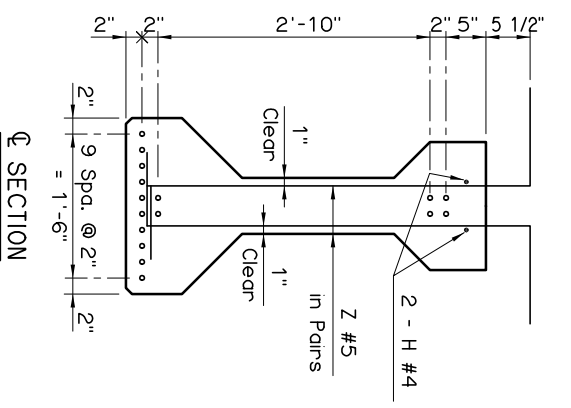
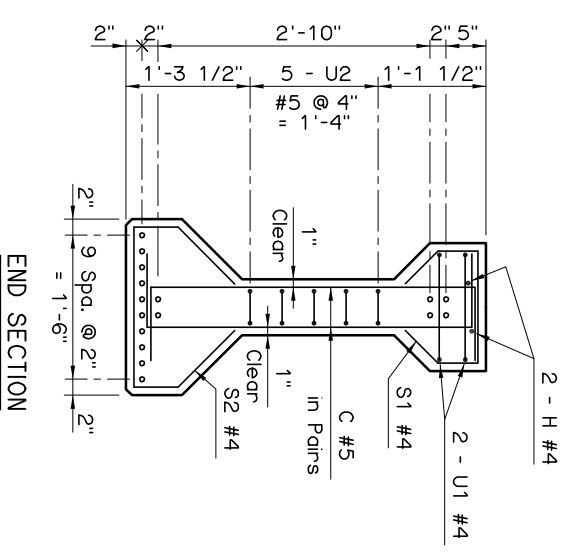
PRESTRESSED CONCRETE BEAM NOTES

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 38.1
 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.



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

END SECTION

BEAM SECTIONS

(16 - 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
 50' SPAN
 INTEGRAL

1999 SPECIFICATIONS B40-I-PCB-III-50 O1E B-90E