JEF-7-22.0

Post Construction
JEF-7-22.0

• Construction Notes
  – Load testing
    • 1 Failure test (actually was a performance test)
    • 2 Extended Creep tests
    • 18 Performance tests (<0.04” from 1 to 10 min at 133%)
    • 204 Proof tests (<0.04” from 1 to 10 min at 133%)
  – Snapped strands on P7T1 during lock off; locked off at 105 kips
  – Much hole connectivity, blowing out grout, air, water
  – Several holes required extra grout
JEF-7-22.0

Lock-off load
195 Kips

- LC1 (P9T2)
- LC2 (P2T6)
- LC3 (P23T1)
- LC4 (P12T1)
- LC5 (P6T4)
- LC6 (P28T5)
Anchor loads expected to decrease over time, relative to design loads; 25%±
   - These range from 20 to 40%, average 27%
Possible Anchor Issues
   - Creep
   - Voids, interhole connectivity
   - Anchor loading on frozen ground
   - Grade beam settlement
Possible Load Cell Issues

- Oversized/Undersized bearing plates (2-inch minimum thickness) (±2%)
- Bearing plate friction (+10%)
- Eccentric loading (±5%)
- Elastic behavior due to cell overloading
- Temperature effects (readings corrected)
- Absence of initial no-load reading

No Post Construction Re-tensioning Possible
¿Questions?