

**Evaluating Long Term Capacity and Ductility of Carbon Fiber Reinforced Polymer prestressing and post tensioning strands subject to long term losses, creep, and environmental factors QA1**

**REQ 1113**

**2/15/2013**

Q: In order to properly quantify the long-term behavior and to assess the deterioration of the CFRP pre-tensioning and post-tensioning materials due to environmental loading cycling conditions, the duration allocated for the project may not be adequate. Please advise.

**A: The schedule as shown in the RFP may not accurately reflect the time required to perform all long term and cyclic testing in order to accurately quantify material responses and deterioration modes to various climate changes, and the impacts these changes have on the long term material durability. Therefore, MDOT recommends each submitter propose what schedule they feel will best accomplish these objectives.**