

4620101 Post Tensioning
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Dan L. Hurtado, P.E.
414-4155
dan.hurtado@dot.state.fl.us

Comment: (6-28-10) **462-2 Certification of Post-Tensioning Systems:** The sentence, “Test and include typical local zone reinforcement in the system drawings that are submitted for system approval” is confusing. Are we are telling the contractor to test the reinforcing and then include the details in the submitted drawings? If so, it might be better to break this up into two sentences. In the next sentence, “Final design and details of local zone reinforcement are projects specific and are the responsibility....” should the word “projects” be the singular “project”?

Response: The PT supplier, in order to gain system approval for statewide use, must test the anchorage and a typical local zone reinforcement. Also, the designer must have an idea of local zone reinforcement to ensure that there is ample room for fit up. However, the project-specific design of the local zone reinforcement allows the PT supplier to take into account various conditions that could be used (i.e. higher strength concrete, additional stirrups present, etc.) in the design of the local zone reinforcement at the project level but are not present during the anchorage test. One purpose of the test is to verify that the design methodology behind the anchorage & local zone design is sound. This language is speaking to the PT supplier, not the contractor, so that once the PT supplier has been contracted for a specific project, the test has already been conducted and the system (and associated methodology) approved by SDO. The "s" will be deleted from the word "projects".

Steven Plotkin, P.E.
904-360-5501
steven.plotkin@dot.state.fl.us

Comments: (6-28-10) The attached has a couple of minor edits by me but otherwise it looks good. *Test and include typical local zone reinforcement in the system drawings that are submitted for system approval. Final design and details of local zone reinforcement are projects specific and are the responsibility of the post-tensioning system supplier. The typical local zone reinforcement shown on the approved system drawings or project specific reinforcement may be used. Design project specific local zone reinforcement for the same maximum number of strands used for the design of the approved system. ~~that the system was originally designed and approved for.~~ Do not design project specific local zone reinforcement for a reduced system capacity. Submit signed and sealed details of the local zone reinforcement to the Engineer for review and approval.*

Response: The 's' will be removed from the end of "projects". The hyphen will be added to "post-tensioning".
