

4620500 POST-TENSIONING
INTERNAL/INDUSTRY REVIEW COMMENTS

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Comments: (12-14-16)

The comments apply to both **462-7.4.1.1(5) Plan** and **462-7.4.2.1.1(6) Wax Injection Operations Plan**.

1. Clarification: Test number needed: One system per group - does this mean that only one needed no matter the tendon length or profile as long as they have the same tendon number in the system. I assume EOR will chose which one to be conducted.

Response:

2. Compared to the old mock-up test, where clear pipe is recommended, the updated specification requires actual components used for the system test without benefit of translucent pipe to visually observe the grout/wax flowing. Would it be beneficial to insert certain portion (critical portion) along the line to have clear / translucent pipe.

Response:

3 To set the jacking force 5% for all system without distinguishing to the tendon number may be problematic, for example, if we are talking about 6-31 tendon, the jacking force would be 90.83 kips, it would require quite of balance / counterweight or creative way to keep the tendon in line during the stressing operation. I noticed during FDOT mock-up wax test on 6-19 system, the counterweight was actually lifted up. Would be better to set a minimum and maximum jacking force limit.

Response:

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Comments: (12-14-16)

462-7.4.1.1(5) & 462-7.4.2.1.1(6)

1. For a draped tendon the mockup will be quite extensive to simulate the actual drape with a load of 5% GUTS. We recognize the value in the mock-up, however a tendon without load on it would be much simpler to construct. Will the results of the mock-up on how successful the filling was performed vary if the tendon were stressed or unstressed? With the load of 5% on a draped tendon, this may ultimately lead to a lab type setup in one location rather than a mobile setup performed at the site by the actual crew and project team; the latter would seem to have more value in evaluating and confirming the jobsite performance. While somewhat easier to construct for harped tendons than draped tendons, there is a similar consideration.

Response:

2. Will previous mock-ups from similar projects be accepted or is this required on all projects regardless of project size?

Response:
