

FTBA Structures Committee
Florida Turnpike Headquarters, Turkey Lake
Monday, November 9, 1:00 PM

AGENDA

Items Available for Review thru Oct. 30, 2015

- 1) 4550103DB Structures Foundations **
- 2) 4550103 Structures Foundations **

Items out for Internal Review thru Oct. 30, 2015

- 1) 45500203 Precast Prestressed Concrete Construction **
- 2) 4600407 Structural Steel & Misc. Metals **
- 3) 0060502 Control of Materials (Buy America) **
- 4) 1050813DB Contractor QC Requirements (Geo Tech Inspectors)
- 5) 5480206 Retaining Wall Systems

Additional Items for Discussion

- 1) The Department is addressing constructability too late in the process of obtaining environmental permits. One recent example is the Tamiami Trail bridge project where not enough room was permitted to allow a crawler crane to move between the new bents and the traffic lane. Another is the Old Seven Mile Bridge Repair where the permits require the contractor to move barges away from the bridge at night and to reposition barges using GPS with no tolerance specified so that spud disturbance is minimized.
- 2) I want to ask the group if they know of problems with joint dimensions being too small for spans with long, deep beams (FIB's and FUB's), especially where there is vertical curvature. We've erected these beams recently and had difficulty achieving the plan joint dimension due to casting tolerance at the ends and rotation.
- 3) There have been some integral pier bridges where the contractor was told initially that his Specialty Engineer had to be Major Bridge qualified. After some discussion, it was agreed that as long as the EOR reviews the erection plan and agrees with the loads applied to the falsework the Department is satisfied. This is worth bringing up to be sure we're all on the same page. I agree with the approach and having two engineers with what may be different specialties addressing the issues.
- 4) Pile driving

- 5) Mass Concrete
- 6) Bracing
- 7) Pouring of standard concrete panels offsite (non prestressed)
- 8) Concrete Cracks and concrete crack microscopes. What to do if they are wide but shallow 1/2" or less
- 9) Size of concrete cracks and depths