

LESS Committee Meeting Minutes

Monday November 19, 2018

1. Discussion of Proposed Changes Specification or Standards for LESS Items 5 minutes
 - a. 0050401 – Control of the Work – Reduces shop drawing review times to 25 days on non-category 2 submittals. Category 2 submittals will remain 45 days and include bridges and ITS Tolling related items.
 - b. 1020601 MOT – Pedestrian Special Detours – Establishes new pay item for the construction of special pedestrian detours. Construction, maintenance and removal of the pavement is covered by new pay item. However, the required traffic control devices are to be covered by pay item 102-104 Temp Signal & Maintenance.
New pay items established for the construction pedestrian special detours – covers construction, maintenance and removal. All traffic control devices to sign and light the detours will be paid under their normal pay item. Ex. Temp signals would be paid per day as they are now.
 - c. 6710000 Traffic Controllers – Moved language in the spec regarding the deactivation of the dimming circuit of the LED street lighting during pedestrian activations.
Derek V. clarified that the change was made to ensure that it was clear in the that controllers were mandatory.
 - d. 7151300 Highway Lighting – remove the requirement for markers for underground conduit.
 - e. Upcoming???
2. Fiber Repairs Update - 5 minutes
 - a. Working towards a damage fee for damaged fiber
 - b. But only on existing fiber
 - c. Contractors asked FDOT to consider including new fiber damage fee spec
 - d. FDOT has cost estimates and will provide direction
Fred Heery has taken over this effort and is getting up to speed on what still needs to be done. Lou provided a summary for the group of where the effort stood at the time of Russell Allen's departure. No further updates at this time.
3. ITS Test Plans – Standardized tests for ITS devices on all projects 5 minutes
 - a. Sample Test plans submitted to FDOT ITS Group
 - b. Reminder we are trying to simplify/streamline the process
 - c. Update – Derek/DJ?
Some discussion about scrapping this effort, but as it stands the effort is going to continue for now per Fred H. Fred H. thinks that CCTV and a few other have been finished but the follow up meeting with the ITS group was cancelled due to the hurricane. Meeting will be rescheduled once FDOT is off travel restrictions. Bruce to share some sample test plans with DJ and Chuck.
4. Division 3 requirements in the Division 2 Specifications 5 minutes
 - a. Will require a re-write of Specs
 - b. Update
Starting with Spec 671 – next step is for FDOT internal meeting with Specs Office. Once 671 is taken care of, FDOT will tackle 660. This will be a phased implementation due to the number of changes, expect to see the first updated spec in January 2020.

5. Painted Light poles, ground mounted sign post, ped poles - FDOT to review - Update 5 minutes
 - a. Seeing projects requiring the painting of miscellaneous items – light poles, sign assemblies
 - b. Differing requirements on paint warranty: Silent to 1 yr. to 5 yrs.: after Acceptance
 - c. Some projects haphazardly tying painting to 649 spec, through 715 and 725 specs – for the 5 yr. warranty
 - d. Spec 649 – Covers galvanized steel strain poles, mast arms and monotubes
 - e. Spec 649 requires prequalified fabricators, but not of light poles???
 - f. FDOT working on spec for painted light poles, ped. poles etc. – using 649 spec as model
 - g. Update

FDOT to develop subcommittee on this issue: Lou, Terry Worthington, Dan, Gevin, Jason Russell. Need to schedule a follow up call.

6. Layer 3 Ethernet Switches/Routers Update 5 minutes
 - a. Project specs lack details on these devices – Optical pathways, Distances, Bandwidths
 1. Substantial Costs differences
 2. Spec 684 to possibly be modified in Jan 2018
 3. Add language to PPM?
 4. FDOT working on process to revise specs to clarify the materials and work required
 5. Scott Geer to work on this.

Scott Geer has departed from FDOT so no progress has been made. Derek and Fred to discuss who to pull in to continue the effort. PPM is now FDM. Industry to come up with 4-6 variables that indicate a layer 3 switch is needed and provide to FDOT.

7. Temporary ITS and ITS Maintenance 10 minutes
 - a. Many projects have existing ITS systems that must be maintained throughout the project duration.
 - b. There is much work to be performed to provide temporary ITS or to maintain the existing or temporary ITS systems.
 - c. FDOT should consider having a separate per day bid items to cover this cost of providing ITS services to a project (similar to Temporary Signals).
 - d. Cost varies depending on whether we are just maintaining or relocating. Can vary from \$10 per day to \$100's per day
 - e. FDOT seem to agree on the need for this work and a pay item.
 - f. FDOT prefers a lump sum item, but designers to provide better information, Industry OK with this.
 - g. Update

More internal discussion at FDOT necessary – Daniel to get with Traffic Ops

8. Grounding Resistance Testing Update 10 minutes
 - a. Fall of Potential Testing
 - b. Specs unclear on whether this test is used to confirm the required 5 ohms or just for informational purposes?
 - c. Is this test only for ITS or for lighting and signals also?

Russell had some recommended changes to Ed Cashman's spec revision. But not all were in the scope of those changes. Derek and Russell's replacement will need to submit the remaining spec language – will update at the next meeting. Considering removing fall of potential test requirement but keeping the requirement for 5 ohms.

9. ITSFM 10 minutes

- a. Voluminous work
- b. Needed for new installs only - agreed
- c. Should be a pay item for this task, FDOT disagrees
- d. Work will inflate cost of ITS items.
- e. Update

Industry still feels that there should be a separate pay item for this work – more paperwork than a typical as built. Daniel will revisit the issue with Mr. Sadler. Fred H is not sold on a pay item for this task either but will give it some thought. Industry to find some examples of the work volume being required and send to Daniel and Fred.

10. Thermal Testing of Drill Shafts Update 5 minutes

- a. Reliable testing process to determine the suitability of a drill shaft
- b. However, have a tight window to perform this test
- c. Turnpike already performs a thermal test on each drill shaft, in house
- d. FDOT might want to consider making this a requirement of every drill shaft under the Contractor's QC Plan
- e. Update

FDOT to coordinate with State Geotech Engineer and update at next meeting.

11. Mast Arm Bolted connection between the arm and the upright. 10 minutes

- a. Mast arms are being rejected during signal inspections because inspectors can insert thin feeler gauges or see light between the plates.
- b. Understand only need contact for a small distance around the perimeter of bolt. Not at edges of the plate.
- c. Specs should be clarified as to what constitutes an acceptable bolted connection.
- d. FDOT agrees and will work to clarify.

FDOT working on a spec change to 649 to be implemented through a DCE memo – use “firm” contact (which is a defined term) versus “full contact”. In the interim, send CEI field issues to Tallahassee and we will clarify that 100% contact is not necessary.

12. Digital Printed Sign Panels 5 minutes

- a. Pilot projects??
 - b. Yes, FDOT is interested
 - c. Contractors to approach FDOT on projects in hand to change signs to Digital Printed Signs.
- Sounds like a good idea, currently have a developmental spec for this technology (944) that projects could be tested with.

13. 30-Day ITS System Test 5 minutes

- a. Need clarifications on whether it re-starts upon a device failure????

Different CEIs and Districts have different requirements. Previously Russell Allen's opinion was that a single device failure should not restart the clock. Trey (Traffic Ops) suggests having a percentage threshold (10%) for failures. Daniel and Trey to discuss with Dave Sadler.

14. Mast Arm Removals 5 minutes

- a. Deep vs. shallow removals
- b. Many utilities in and around intersections

- c. Potential Damages to Pavements, curb and utilities
- d. Department understands, but wants full removal for future work.

FDOT to discuss internally and update at next meeting.

15. FDOT Additional Topics, Concerns or Issues 15 minutes

Daniel discussed recent issues with materials certifications (guardrail) and provided a brief presentation on which certification forms are intended for the contractor and which are intended for the manufacturer.

16. Open Discussion 5 minutes

Terry Worthington requested that designers provide a copy of the AGI file for the lighting layout. Current information does not provide what was the design fixture and leaves contractors to guess what will work.

Also, he is concerned about mast arm pay items – only gives information about arm length so not enough info to bid. Need to know when pole price does or does not include the luminaire. Daniel will look into.

(Estimated length of meeting 2.0 hours)

Date & Time of next Meeting – January Construction Conference