

District Construction Engineer's Meeting
March 24, 2014 2:00 PM (Video Bridge 1)

Attendees:

CO – David Sadler, Rudy Powell, Amy Tootle, Stephanie Maxwell, Dan Hurtado, Sid Kamath, Paul Martin, Alan Autry, Suzannah Ray
D1 – Jon Sands, Bill Jones, Brian Penny
D2 – Carrie Stanbridge
D3 – Steve Potter, Jimmy Miller, Renae Sanders, Tim Hendrix
D4 – Carolyn Gish, Pat McCann
D5 – Todd Womick, Shailesh Patel, Jennifer Taylor
D6 – Mark Croft, Mario Cabrera
D7 – Brian McKishnie, Megan Arasteh
TP – Pete Nissen, Bill Sears

New Business:

1) Introductions

Introduction were made.

2) Consistent/Predictable/Repeatable – (David Sadler)

No specific CPR issues were discussed.

3) Specification Updates – (David Sadler/Rudy Powell)

Rudy Powell provided an overview various proposed Specification changes which are currently posted on the Specifications Office Industry Review website (<http://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx>) as follows:

Specification 9-8.1 Acceptance and Final Payment. (Streamline Projects) Acceptance (a) thru (h). These items were not currently included in the Streamline Projects, are now out for review and changes will be in the January 2015 workbook.

Specification 942-1 Pipe Gasket – minor ASTM changes.

Specification 400-11 Contact and Bearing Surfaces - Proposed change to the classification of roofing felt from 55 lb # 30 to ASTM D 6380 Class S, Type III organic felt.

Specification 430 Pipe Culverts and 948 Miscellaneous Types of Pipes – SCO (Larry Ritchie) reviewed plan sheets from multiple projects with plan notes that should be completely removed or are already addressed in the specifications.

The group discussed utilizing the Streamline project specifications on the Landscaping projects. It was noted that David Sadler will address the issue with the Specifications Office to determine why the decision has been made to not use the Streamline specifications on those projects.

4) CPAM Updates – (David Sadler/Rudy Powell)

Rudy discussed the new CPAM Chapter 7.7, Payment and Recovery of Property Damage Cost, currently out for review. The chapter references an OGC Procedure. Rudy to find out where the proposed revision to that procedure stands with OGC.

Rudy provided an update regarding proprietary product approval. FHWA opposed a decision to use a proprietary product. SCO will review and update the proprietary product certification process.

The group discussed payment for third party damages. SCO (Rudy Powell) to follow up from the last meeting.

5) Lessons Learned from Process Reviews – (Rudy Powell)

Rudy discussed geotechnical information Juan Castellanos (SCO) noticed as missing from density log books. Districts receiving resolutions, missing densities and raw protectors. Pile driving resulted in a specification change which has a hammer reading and is currently under development.

6) Reflectometers – (Mark Croft/Stefanie Maxwell)

Stephanie provided the group with an update that reflectometers cannot be re-certified (calibrated or serviced). It was noted that the manufacturer (Flint Industries) is no longer servicing the LTL2000 model. Paul Gentry (Specifications and Estimates) has no issue with keeping these calibrated. Paul will prepare instructions in writing and provide a presentation to the Districts.

| Employee Information | |
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| Employee Contact Information (as of 3/23/2014): | |
| Name: | Gentry, Paul |
| RACF Id: | SP965PG |
| Building: | CO 965 Burns Building |
| Office: | SPECIFICATIONS & ESTIMATES OFFICE |
| Room: | |
| Mail Stop: | 75 |
| E-mail: | paul.gentry@dot.state.fl.us |
| Telephone: | (850) 414-4118 |
| Fax: | (850) 414-4791 |
| Employee Detail Information: | |
| Position Type: | CAREER SERVICE |
| Cost Center: | 965 |
| District: | Central Office |
| FDOT Position Title: | PRODUCT EVALUATOR |
| Position #: | 009785 |
| Florida Broadbanding Classification: | |
| Job Family: | ARCHITECT, SURVEY, CARTOGRAPH & ENGINEER |
| Occupational Group: | |
| Occupation: | ENGINEERING, ALL OTHER |
| Employee Delegate Information: | |
| Delegates: | No delegates found. |
| Serves as Delegate for: | None found. |

7) Computation Manuals – (Jon Sands/Amy Tootle)

Amy provided the group with an update with current and future field use and how it will be used with mobile devices. As-builts will be digital and will have summary boxes. The PA is required to have Adobe to be able to edit the As-builts and summary of quantity boxes. The document will already be a .pdf file which can be edited. The text can be edited and highlighted. Amy will check into Adobe Writer to see if this works with check boxes and mark ups.

8) Specification 4-5.1 Requirements – (David Sadler)

4-5 Rights in and Use of Materials Found on the Site of the Work.

4-5.1 Ownership and Disposal of Existing Materials: Take ownership and dispose of all materials that are not designated as the property of other parties, in both roadway and structures, found on the right-of-way, and all material in structures designated for removal. **Such materials do not include earth or other excavated material required for the construction of the project.** During construction, the Contractor may use materials from existing structures that are required to be removed and that are designated to remain the property of the Department. Do not cut or otherwise damage such material during removal unless the Engineer gives permission to do so. Store material in an accessible location as the Engineer directs. The Department is not responsible for the quality or quantity of any material salvaged.

David raised awareness of the requirements of specification 4-5.1 as highlighted above. It was noted that this language is not currently in the Design-Build Division I Specifications but will be added back in the July 2014 version.

9) As-built Plan Submittal and Certification on Design-Build Projects – (Todd Womack)

Todd Womack inquired about responsibility of certifying as-built plans on Design-Build jobs. The Design-Build EOR or CEI? The Districts were polled and split down the middle. It was noted that CCEI's have raised issues with the certification statement as required by CPAM. Alan Autry informed the group of May 2014 RFP boilerplate changes to the record set section due to not receiving as-builts in a timely manner. SCO (Alan Autry) will review current CPAM as-built certification requirements to determine if changes should be made to address this process on Design-Build projects differently.

10) Contingencies on Phase 56 Projects – (Jennifer Taylor)

Jennifer Taylor discussed including Phase 56 contingencies in projects prior to letting or after. The Districts were polled and all were different. It was noted that unless specifically prohibited, CPAM allows Phase 56 contingencies to be included. Let Alan or Greg Davis know of any problems.

11) Span Wire Assembly/Specification 634-2.3 Requirements – (David Sadler/Dan Hurtado)

634-2.3 Hardware and Fittings: For Utility or Siemens-Martin Grade wires, use the connection hardware as specified herein. For installations that use other grades of wire, provide the hardware and fittings indicated in the Plans. Provide only hardware and fittings made of galvanized steel or non-corrosive metal unless the fiberglass insulators specified in 634-2.4 are also required. Provide hardware and fittings of sufficient strength to resist the breaking strength of the wire with which they are used.

Use an alloy steel eyebolt (ASTM F541, Type 2) and a matching heavy hex nut (ASTM A563, Grade C or D), both zinc coated in accordance with ASTM A153, Class C, to connect the automatic compression dead-end clamp of the catenary wire or messenger wire to the wood or concrete

strain poles. Sizes of eyebolts, supplied with nuts and washers, are as following: Use a 3/4 inch diameter bolt for maximum of one 7/16 inch diameter catenary (or messenger) wire, or maximum of two 3/8 inch diameter catenary (or messenger) wires. Use a 1 inch diameter bolt for maximum of one 1/2 inch diameter catenary (or messenger) wire, or maximum of two 7/16 inch diameter catenary (or messenger) wires. Use 1-1/4 inch diameter bolt for maximum of two 1/2 inch diameter catenary (or messenger) wires. For two point attachments, connect the messenger wire at the lower attachment location. Do not use thimble eye bolts for these connections.

Only use thimble eye and eye bolts, 3/4 inch in diameter, minimum, to connect the automatic compression dead-end clamps of tether wires to wood or concrete strain poles.

Only use “S” hooks, 5/16 inch in diameter, minimum, when connecting the tether wire to all poles.

Ensure that other hardware and fittings, as required for the attachment of a span wire assembly to support poles or structures, are in accordance with the details shown in the Design Standards.

Dan Hurtado made a presentation to the group regarding the District 7 Design-Build Pushbutton job where the wrong span wire eyebolts were used. Dan raised awareness of the specified product. The contractor has worked on numerous jobs throughout the state and is working to correct the issue. SCO will provide a letter of concern to the contractor regarding failures.

12) Buy America Tracking Report – (Rudy Powell)

Rudy discussed with the group that FHWA reviews reports in Site Manager and foreign steel is not being tracked. There is no language in CPAM that says track. Only track on Full Oversight Federal Aid projects. If FHWA makes a request to view project tracking, send to SCO to handle at the Division Office.

Walk-On Items – DCE Meeting:

1) Deletion of Overhead Sign Sheeting – (Rudy Powell)

Rudy discussed the cost benefit analysis of maintenance. No lights for geometric type settings. DCE memo was released – optional deleting/credit. Currently standardizing credit amount. Moving forward: Provide a link in the DCE that goes directly to the email for credit reference. SCO will include the link on the DCE memo webpage.

2) Manhole and Transverse Joints – (Rudy Powell)

Discuss proposed changes to Index 600 Sheet 9 shown below:

MANHOLES/CROSSWALKS/JOINTS

Manholes extending $1\frac{1}{2}$ " or more above the travel lane and crosswalks having an uneven surface greater than $\frac{1}{4}$ " shall have a temporary asphalt apron constructed as shown in the diagram below.

All transverse joints that have a difference in elevation of $1\frac{1}{2}$ " or more shall have a temporary asphalt apron constructed as shown in the diagram below.

The apron is to be removed prior to constructing the next lift of asphalt. The cost of the temporary asphalt shall be included in the contract unit price for Maintenance of Traffic, LS.

TRUCK/TRAILER MOUNTED ATTENUATORS

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The group reviewed and discussed possible revisions to this Index as shown above. No change will be made to the Index.

- 3) HR CPR Position Descriptions – (Brian McKishnie)
The group discussed consolidating working titles of positions.

NEXT DCE MEETING – April 28, 2014

Submit agenda items to Alan Autry by April 18, 2014