Portable Changeable Message Signs & Flashing Arrow Panels
Technical Committee Meeting Agenda
Working Session #8
Wednesday, June 12, 2019 8:00AM – 9:30AM

1) 8:00AM-8:05AM: Call to Order and Introductions

2) 8:05AM-8:10AM: Review of Current Technical Committee Members
   - If you are interested in being a member of this TC, please let the chair or Jon Sirianni know.

3) 8:10AM-8:15AM: Brief summary of the Technical Committee
   (For those states not participating in quarterly calls or who are new to NTPEP)
   - Meets quarterly via conference calls and annual face to face meeting
   - Suggests changes or clarifications to the work plan
   - Approves changes to the work plan for balloting to all member states

4) 8:15AM-8:20AM: Florida DOT TERL
   - Located in Tallahassee, FL
   - Have been testing since the late 60’s
   - Began with the traffic controllers
   - Evolved into ITS devices in 2005
   - Been testing PCMS/FAP since the 80’s, became involved with NTPEP in 2015
   - Previously, NC DOT was conducting these evaluations for NTPEP

5) 8:20AM-8:25AM: Review Outstanding Action Items
   - Updating the work plan and the Usage Guide were the biggest action items that got completed this past year. We want as many states as possible to utilize this program.
- If you accept NTPEP test results, you don’t do the testing. The Chair realizes everyone wants to see the sign, but you don’t have to use your resources to do the testing.
- Bill Real conducted a survey to see what states are utilizing this program. 10 states require NTPEP, 6 states allow NTPEP, 5 states do not use NTPEP, 26 states did not respond. The Chair plans on splitting up the states who did not respond with the current TC members and have them reach out to these states to see what they are doing. They can send their feedback to Bill Real and this information will be included on the NTPEP website
- CO is going through a complete change in the traffic division. Edward is brand new to NTPEP. Having been invited to NTPEP, Edward is going to have CDOT look at utilizing this program. They currently have a 2 year testing plan. Edward is going to introduce his SMEs to DataMine and encourage them to use this data. He does not want to reinvent the wheel.

6) 8:25AM-8:35AM: PCMS/FAP Test Program Status Update
   - Please refer to attached PowerPoint slides

7) 8:35AM-8:50AM: Proposed Changes to Test Plan
   - The attached revised work plan was reviewed during the session
   - Cold weather testing
     - No failures problems reported
     - Industry- If there is discussion about moving it from FL to a cold weather state, the batteries function better in warmer weather. The LED and run times are different in the winter because it is darker longer each day.
     - NTCIP conformance testing was proposed as an additional test.
     - Environmental testing was proposed as an additional test.
     - Other elements of the Florida DOT test were discussed as additional requirements.
     - It was asked that as many states as possible include any other additional requirements that need to be included to increase use of this NTPEP test program.
     - The proposed changes to the Work Plan will be sent to the TC for approval and then to all member states for comments/approval.

8) 8:50AM-9:00AM: Discuss DataMine Items
   - Currently do not have any issues
   - Industry mentioned the site has been working really well
   - Industry would like to see more historical data included and available in DataMine

9) 9:00AM-9:15AM: Industry Concerns
- MASH compliance- AASHTO is spearheading a lot of the FHWA/AASHTO joint agreement implementation. Deadlines are fast approaching and industry is concerned with the lack of uniformity and direction from the states of how the PCMS/FAP products are going to be tested moving forward.

10) 9:15AM-9:30AM: Open Discussion
- The TC Chair thinks this committee is at the point of including additional devices to this committee. This suggestion will be taken to the Product Implementation Task Force and Steering Committee for review and approval.
- CO has had 2 fatalities in traffic work zones this past year. They are approving the temporary traffic control signal, but have not approved the automated flagger assistance devices.
- Portable variable speed limit signs are gaining popularity.
Portable Changeable Message Signs (PCMS) and Flashing Arrow Panels (FAP)

Technical Committee Meeting
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3 new members from 2 different states

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<th>Organization</th>
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<td>Jeffrey Morgan</td>
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<td>Paul Gentry</td>
<td>Florida DOT</td>
<td>Vice Chair</td>
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<td>Jonathan Sirianni</td>
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<td>Steven Ingram</td>
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<td>Richard Douds</td>
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<td>Michael Paul Pelham</td>
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<td>Andrew Blackburn</td>
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<td>Patrick Galarza</td>
<td>New York State DOT</td>
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<td>Danny Lane</td>
<td>Tennessee DOT</td>
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<td>Linette Rizos</td>
<td>Wisconsin DOT</td>
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<tr>
<td>Casey Inoue</td>
<td>American Signal Company</td>
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Brief Summary of the Technical Committee

- Meets quarterly via teleconference and one annual face-to-face meeting.

- Discuss current status of testing or any changes or clarifications needed to the Work Plan (requirements and/or test procedures for PCMS/FAP).

- Approves changes to the Work Plan for balloting to all member states.

- Objective is to provide performance data that can be reviewed to help end-user states.
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Review Outstanding Action Items

- Update Work Plan and Data Usage Guide for PCMS and FAP.
- Investigate if one industry rep was enough (for the technical committee).
- Get more state DOT reps on the committee.
- Conduct survey to see what states require/use the PCMS/FAP NTPEP program.
Review Outstanding Action Items

- Update Work Plan and Data Usage Guide for PCMS and FAP.

- Investigate if one industry rep was enough (for the technical committee).

- Get more state DOT reps on the committee.

- Conduct survey to see what states require/use the PCMS/FAP NTPEP program.

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<td>5 (1 is interested in using NTPEP)</td>
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PCMS/FAP Test Program Update (2018)

8 signs from 4 different manufacturers

5 PCMS and 3 FAP

All testing completed in 2018 and results uploaded to DataMine and Released
3 signs from 1 manufacturer

2 PCMS and 1 FAP

Cold weather test completed and results uploaded to DataMine, not Released yet.

Hot weather test to commence in July
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Proposed Changes to Work Plan
Review Work Plan Changes

Review Work Plan Draft
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Open Discussion
Add Products to the PCMS/FAP TC?

Truck Mounted Changeable Message Sign and Arrow Board

Automated Flagger Assistance Device

Portable Regulatory Sign

Radar Speed Display Unit

Temporary Traffic Control Signal
Thank you!
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