Project TAP Meeting #4
05/06/2014

Project Team
Matt Lebens, MnDOT PI
Howard Preston Co-PI
Allen Gallistel, MnDOT
Maureen Jensen, MnDOT
Project Update and Meeting Overview

- Project Schedule (*Workplan Amendment*)
- Task 1 Complete
- Task 2 Complete - Information (on Website)
- Task 3 – Now Tasks 3, 4 and 5; In Progress till 2016
- Task 4 (now task 6) complete Complete
- Task 5 (now task 7) In Progress; Due June 2014
  - CH2M Hill Draft Final Report Presentation
- MnROAD Info & Tour Test Deck (if feasible)
Task 1: Survey of Practice
Complete

- Survey local agencies, other states
  - Types, colors and fabrication method of sheeting
  - Known, quantifiable drivers of sign replacements
  - Agencies with sign management data that could be used
  - All information that can be used from state studies, evaluations and databases
  - List of sign replacement projects scheduled that can provide signs for test deck
  - Potential set of in-field control signs for ongoing measurements
Task 2: Test Deck & Data Collection Plan
Complete

- Identify in-service signs that will be measured
  - Agency data collection – preliminary schedule on website;
    - http://www.dot.state.mn.us/materials/signretroreflectivity.html
  - Select Spreadsheet Database
    - Useable sign inventory database - Posted on website
  - How-to videos for data collection
    - Gamma922 Retroreflectometer manufacturer training videos available: http://www.pppcatalog.com/922-training/
    - Project-specific video – Posted on website
  - Determine need for additional equipment
    - New retroreflectometer purchased, checked and in operation.
  - Develop test deck plan for MnROAD
    - MnROAD Test Deck installed and in operation, layout on website
Task 3: MnROAD Data Collection

2014 Amendment OLD TASK 3 is new Tasks 3, 4, and 5

- (New) Task 3 - Complete;
  - Construct vertical and $45^0$ accelerated decks
  - $45^0$ deck and vertical decks Installed and Operational
  - Populate with Sign Materials
  - New 2013 DG3 panels installed June 2013
  - Collect retroreflectivity and color FY 2013-2014
  - Initial Readings Taken Prior to Install

- (New) Task 4 - Planned;
  - Collect retroreflectivity and color FY 2015
  - Retest In place signs
  - Populate with Additional Sign Materials
  - Initial Readings Taken Prior to Install
Task 3: MnROAD Data Collection

2014 Amendment OLD TASK 3 is new Tasks 3, 4, and 5

- (New) Task 5 - Planned;
  - Collect retroreflectivity and color FY 2016-2017
  - Retest In place signs
  - Populate with Additional Sign Materials
  - Initial Readings Taken Prior to Install

- Share Data on Website
  - http://www.dot.state.mn.us/materials/signretroreflectivity.html

Sign Test Deck Location at MnROAD
MnROAD Test Deck Pics
Task 4: System Data Collection

2014 Amendment OLD TASK 4 is new Task 6

Complete

- Provide Training at MnDOT Lab
- Coordinate shared retroreflectometers
  - Retro meter to be shared out has been cross-checked to Maplewood lab’s meter and will be again annually
- Provide stickers for field control signs
- Annually calibrate purchased equipment
- Review data, collate into database, prepare results, summarize on webpage

Task Schedule May 1, 2013 – Dec 30, 2013
Task 5: Data Analysis and Final Report

2014 Amendment OLD TASK 5 is new Task 7

In Progress

- Being Prepared by CH2M Hill
- Compilation of Results of Previous Tasks and Expert Panel Decisions
- Technical Memorandum/Report
- Suggested Sign Life and Sign Maintenance Policy

Task Schedule January 1, 2014 – June 30, 2014
Next Steps

- Comments for Draft Report to CH2M Hill
- Complete Final Report and Publish
- Continue MnROAD Test Deck New Sign panels installation and testing
- Continue salvaging of sign panels, testing, and install
- Update Website as Needed
Questions?

Thank You

Stay for a Short Tour of the Test Deck (& other MnROAD areas if possible)