

2017 Summer Testing Program

-AASHTO ETF Emulsion Performance Grading Standards

AASHTO TSP ETF Meeting

May 22, 2017

Denver, Colorado

Goals of Testing Program

- Multi-Lab Analysis
 - Repeatability of Tests
- Evaluate gap areas not address by EPG or SPG studies
- Sample & test emulsions from across the country
- Create exposure for EPG-SPG concepts
- Use data to support / validate a draft provisional AASHTO standard

Challenges for Summer Testing Program

- Shoe-string budget
- Collecting samples from projects
- Finding a testing coordinator
 - Answer testing and other technical questions
 - Assure handling & testing consistency
 - Prodding agencies to submit samples
 - Compiling and evaluating results
- Finding a state or university lab to complete pro bono testing

Summer Testing Plan

- Samples from across the nation...

- 20 to 25 emulsion samples
- geographic variety
- Climate variety



Summer Testing Plan

- Leverage pro bono testing
 - MTE Lab
 - Paragon Lab
 - TXDOT Lab (?)
 - Other DOT labs

Summer Testing Plan

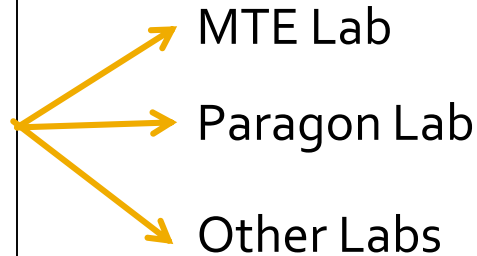
State / agency complete field emulsion sampling



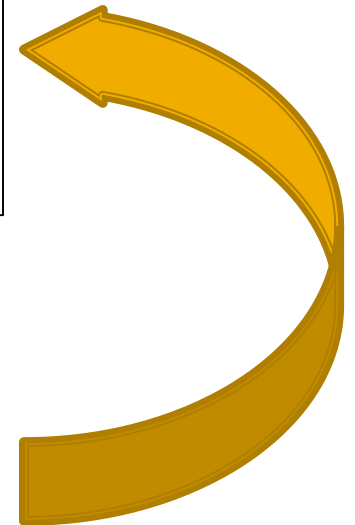
Agency staff complete submittal paperwork.
Optional: agency completes testing



Agency sends submittal and 1-quart samples to participating labs (copy to testing coordinator)



All test results forwarded to testing coordinator



Summer Testing Plan

- Data will be compiled by testing coordinator into spreadsheet for evaluation.
- Results from TTI study, NC State study, and this summer's testing effort will be used draft an AASHTO provisional standard for performance grading emulsions.

Questions / Discussion
