FHWA Update

Sustainable Transportation: Energy, Infrastructure and Climate Solutions (STEICS) steering committee

2012 AASHTO Annual Meeting
November 17, 2012

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Climate Change Adaptation at FHWA

- **Goal:** Systematic consideration of climate change vulnerability and risk in transportation decision making, at system and project level

- **Approach:** Develop and share information on tools and methodologies that state DOTs and MPOs can use to assess risk and prioritize actions
Vulnerability Assessment Framework

- **Define Project Scope**
  - Objectives
  - Relevant Assets
  - Climate Variables

- **Assess Vulnerability**
  - Asset data, criticality, sensitivity
  - Climate Inputs
  - Vulnerabilities, risk

- **Integrate Vulnerability Into Decision Making**
FHWA is soliciting descriptions of proposed pilot projects from transportation agencies in two areas:

• assessments of transportation vulnerability to climate change and extreme weather events

• options for improving resiliency of transportation facilities or systems to climate changes and/or extreme weather events.
Timeline

• November 2012: Call for Pilots Released

• January 22, 2013: Proposed project descriptions due to FHWA Division Offices

• February 19, 2012: FHWA HQ announces selected pilot projects
Primary Phase 2 Tasks

- Task 1: Identify critical transportation assets in Mobile (complete)
- Task 2: Identify climate impacts, assess infrastructure sensitivity (complete)
- Task 3: Assess vulnerability of critical assets (2012-2013)
- Task 4: Develop risk management tools for transportation agencies to conduct similar analyses (2012-2013)

Available from the FHWA website
FHWA Funding for Adaptation Work

- FHWA released a memo on using Federal-aid and Federal Lands funding for adaptation activities to address
  - Extreme weather events, climate change impacts
- Three sections: Memo, Qs & As, Funding category-specific information
- Clarifies eligibility for various activities
  - Planning (e.g., vulnerability assessments)
  - Design (e.g., designing to handle potential impacts)
  - Construction, etc.
INVEST Version 1.0 Launched

- Version 1.0 launched October 10, 2012
  Link to the recorded event @ www.sustainablehighways.org
- Version 1.0 includes many improvements made as result of feedback and pilots
- Project is now entering deployment phase
- Request for deployment sites released soon
Thank you

www.fhwa.dot.gov/hep/climate_change