Maintaining Vital Links: Transitioning our Aging Transportation Infrastructure (T3D)

Local Solutions: Northeast Climate Preparedness Conference

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Moderator:
Becky Lupes
Sustainable Transport and Climate Change Team
Office of Planning, Environment, and Realty
Federal Highway Administration
Presenters

Peter Cusolito, CEM, CFM, Senior Security and Emergency Management Planner, Vanasse Hangen Brustlin, Inc.

Judy Gates, Director, Environmental Office, Maine Department of Transportation

Steven Miller, Supervisor of Environmental Management Systems and Sustainability, Massachusetts Department of Transportation
1. Define Project Scope
   • Objectives
   • Relevant Assets
   • Climate Variables
2. Assess Vulnerability
   • Climate Inputs
   • Asset data, criticality, sensitivity
   • Vulnerabilities, risk
3. Integrate Vulnerability Into Decision Making
FHWA Climate Resilience Pilot Program

Pilots will use and build on FHWA’s *Climate Change & Extreme Weather Vulnerability Assessment Framework*

- Vulnerability and/or adaptation
- Broad geographic coverage, range of impacts
- Will further the state of practice in the emerging area of resilience to climate change and extreme weather
- Complete late 2014/early 2015

**19 Pilots**

- Tennessee
- Maine
- Michigan
- Arizona
- Alaska
- Connecticut
- Massachusetts
- CAMPO (Austin)
- Broward MPO
- NCTCOG
- New York
- Iowa
- Maryland
- Minnesota
- California
- Oregon
- Washington
- Hillsborough MPO
- MTC (San Francisco)
FHWA/DOT Virtual Framework and Tools

Module 1: Articulate Objectives

Module 2: Identify Climate Stressors

Module 3: Select Assets

Module 4: Assess Vulnerabilities

Module 5: Integrate in Decision Making

Module 6: Monitor and Revisit

Sensitivity Matrix

Criticality Guidance

CMIP Climate Data Processing Tool

Vulnerability Assessment Scoring Tool

Engineering Case Studies