State Transportation Agencies Facing Climate Change
Highlights of The Northeastern State FHWA Climate Change Resilience Pilot Projects

Northeast Transportation and Wildlife Conference
September 12, 2016
Federal Policy Drivers

- Recent Executive Orders (E.O.):
  - E.O. 13653 - Climate Preparedness (2013)

- U.S. DOT Policy Statement on Climate Change Adaptation (2011)

- FHWA Order 5520: Transportation System Preparedness and Resilience to Climate Change and Extreme Weather Events, (December 2014)

- FAST Act
  - Resiliency and reliability into planning factors
  - Metropolitan plans include strategies to reduce vulnerability of transportation infrastructure to natural disasters
PILOT LESSONS LEARNED

Climate Change Vulnerability Assessment and Adaptation Options Study

Final Report – December 2015

US Department of Transportation
Federal Highway Administration

www.fhwa.dot.gov/environment/climate_change/adaptation/resilience_pilots/

Maryland State Highway Administration
Climate Change Adaptation Plan with Detailed Vulnerability Assessment
Final Report – October 11, 2014

The Federal Highway Administration (FHWA) Climate Change Pilot Programs seeks to assist state Departments of Transportation (DOTs) in developing strategies for planning, preparing for, responding to, and recovering from the impacts of a changing climate. This information provides lessons learned from the implementation of the Oregon and Maryland pilot programs. Additional information about the pilot programs can be found at the following websites:

www.fhwa.dot.gov/environment/climate_change/adaptation/

Scope
The study area covered the counties of Oregon north coast Clackamas and Multnomah Counties. The following seven transportation corridors were included: major roadways, highways, transit corridors, and major river crossings. The study area included 372 miles of roadway.

Objectives

- Assess the vulnerability of transportation infrastructure to climate impacts.
- Develop and evaluate the use of the specific adaptation strategies for vulnerable corridors and evaluate a broad range of adaptation options.
- Collaborate with stakeholders, including state and local agencies and coastal communities, to facilitate and encourage climate planning for transportation infrastructure. This is challenging to do in the face of rapidly changing conditions due to climate change and other factors.

www.fhwa.dot.gov/environment/climate_change/adaptation/resilience_pilots/
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