

# *Road Weather Management Program Strategic Plan*

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7 September 2011

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# RWMP Strategic Plan Outline

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- Program Goal
- Guiding Principles / Boundaries
- Timeline
- Policy Forum Results
- Roadmap
- Your Feedback



# Program Goal

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- Goal: Improve Mobility and Safety by Alleviating the Impacts of Weather on the Surface Transportation System

...by helping the state and local DOTs deploy advanced solutions

- Applications & System Prototypes (e.g. MDSS, *Clarus*, VDT)
- Guidelines and standards
- Tech transfer: Training, outreach, info sharing



# Guiding Principles / Boundaries

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- Focus on transportation
  - Want to avoid duplication with NWS mission
- Defined by the ITS Research Program
- Build markets/seed private sector impartially
- Enhance a road weather community
  - Foster strong working relationships between weather and transportation communities
  - Across all levels (federal, state, etc) and sectors (private, public, academia)
  - Lead from behind where appropriate



# Road Weather Timeline

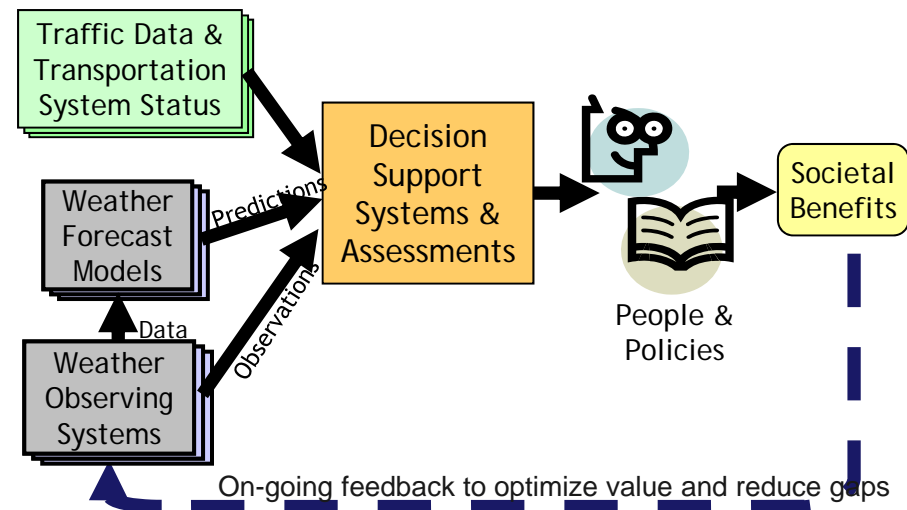
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- 2002 - *Weather Information for Surface Transportation, National Needs Assessment Report* (OFCM)
- 2003 - *Weather and Highways* (1<sup>st</sup> AMS Policy Forum)
- 2003 - *Where the Weather Meets the Road* (NRC)
- 2005 - SAFETEA-LU, Road Weather R&D Program
- 2009 - *... From the Ground Up* (NRC)
- 2010 - *A Road Weather Research Agenda* (2<sup>nd</sup> AMS Policy Forum)
- 2011 - Reauthorization???



# Policy Forum Results

- Understanding User Needs is Lacking
- Data on Road Wx are Insufficient
- More Science
  - Social science and human factors
  - Boundary layer modeling & other relevant physical science phenomena
  - Transportation system optimization
  - Decision support for high-impact events
- Sustaining the Coalition



# High Level Roadmap

Focus Areas		Activities	Objectives
Stakeholder Coordination		<i>Lots of interesting projects</i>	Build partnerships
Program & Performance Management			Ensure investments pay off
R&D	RdWx Data Capture & Mgmt		Transportation & weather communities use fixed and mobile observations
	RdWx Dynamic Applications		Integrate RdWx observations into advanced decision support tools
	Weather-responsive Traffic Mgmt		Advance the state-of-the-practice through tailored management strategies
Tech Transfer, Training, Education			Raise road weather capabilities across the industry
Operations & Climate Change			Operations is engaged with climate change community



# High Level Roadmap - Priorities

Focus Areas		Activities	Objectives
Stakeholder Coordination (10%)		Lots of interesting projects	Build partnerships
Program & Performance Management (3%)			Ensure investments pay off
R&D	RdWx Data Capture & Mgmt (25%)		Transportation & weather communities use fixed and mobile observations
	RdWx Dynamic Applications (25%)		Integrate RdWx observations into advanced decision support tools
	Weather-responsive Traffic Mgmt (25%)		Advance the state-of-the-practice through tailored management strategies
Tech Transfer, Training, Education (10%)			Raise road weather capabilities across the industry
Operations & Climate Change (2%)			Operations is engaged with climate change community





# Need Your Feedback

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- What are we missing?
- Are priority levels about right?
- What are we doing that you think is a waste of time/money?

