

# Weather Responsive Traffic Management (WRTM) Program

**ROEMER ALFELOR**  
Federal Highway Administration

**T3 Webinar**  
**July 8, 2014**



# WRTM Webinar Series

1. **Active Traffic Management and Weather**  
*(March 20, 2012 – NTOC)*
2. **Using Social Media During Weather Events**  
*(April 19, 2012 - NTOC)*
3. **Weather Responsive Traffic Signal Management**  
*(May 31, 2012 - NTOC)*
4. **Guidelines for Disseminating Road Weather Messages** *(November 1, 2012 - NTOC)*
5. **Traffic Management during Flood Events**  
*(March 6, 2014 – T3)*
6. **Performance Measures and BCA for WRTM**  
*(July 8, 2014 – T3)*
7. **Use of Mobile Data for WRTM** *(TBD)*



# FHWA Road Weather Management R&D Program

- Road Weather Data Capture/Management
- Road Weather Dynamic Mobility Applications
- Weather Responsive Traffic Management

*ITS Connected Vehicles Program*



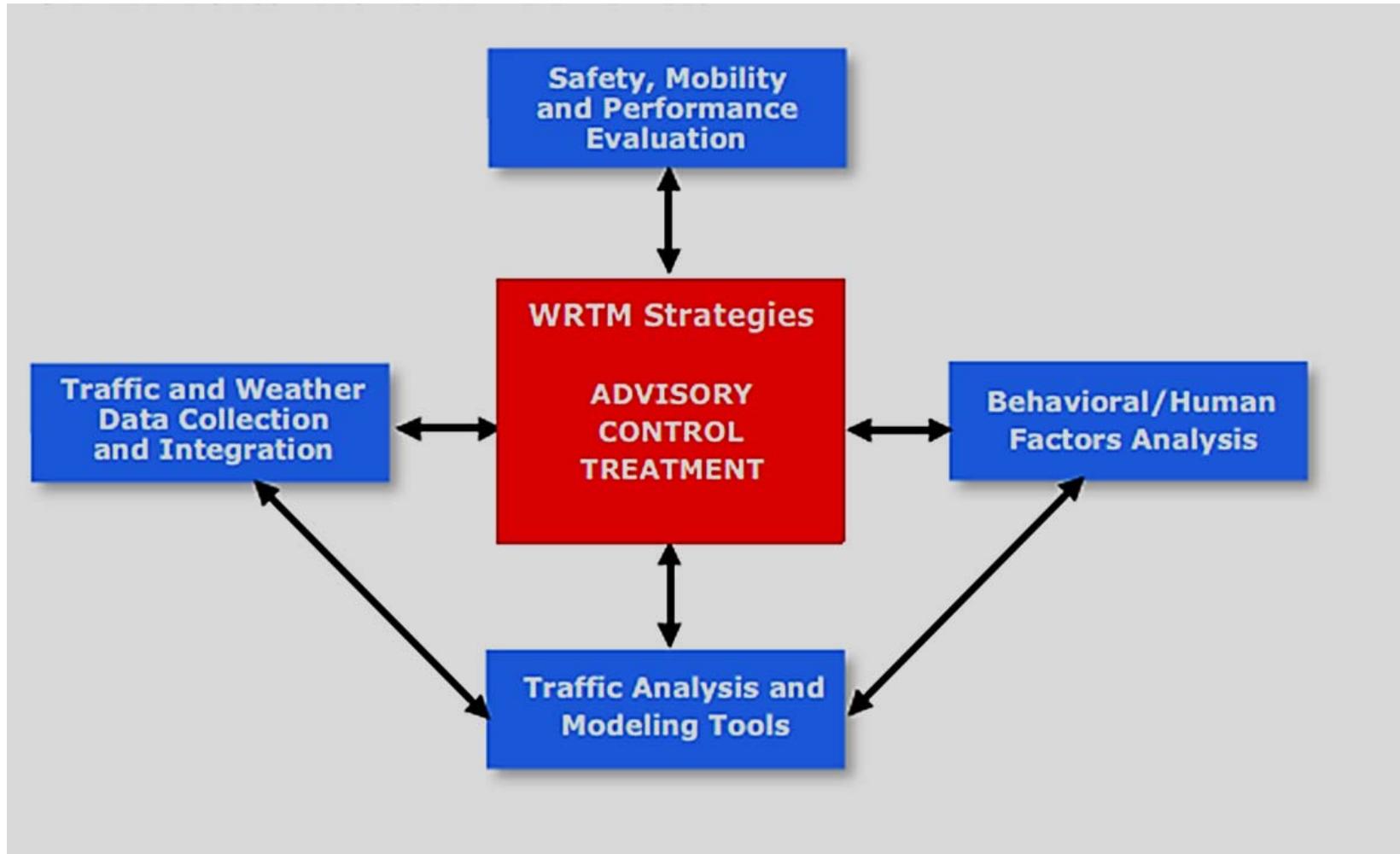
# WRTM Strategies

- **Advisory**
  - **Warning Systems**
  - **Traveler Info. Systems**
- **Control**
  - **Signal Timing**
  - **Ramp Metering**
  - **Variable Speed Limits**
  - **Road/Lane Closures**
- **Treatment**
  - **Maintenance**
  - **Obstruction Removal**



*Developments in WRTM Strategies. Final Report.*  
*FHWA-JPO-11-086*

# WRTM Framework



# Recent/Current Activities

- **Workshop on BCA for Road Weather Management, *Missouri DOT and Kansas DOT, June 12, 2014.***
- **CITE Web-based WRTM Course, *April-May 2014***
  - **To be offered again April 2015**
- **Road Weather Management Stakeholder Meeting**  
***Aug. 12-14, 2014 Salt Lake City, UT***
- **Completed WRTM Projects**
  - **Citizen Reporting System and Traffic Signal Timing including Traffic Estimation and Prediction (Utah DOT)**
- **Ongoing WRTM Projects**
  - **Weather Responsive ATM (Oregon DOT)**
  - **WRTM using Mobile Data (Wyoming DOT, Michigan DOT, South Dakota DOT)**



# Road Weather Management

Anytime, Anywhere Road Weather Information

## Contact Information:

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