Weather Integration Project Update

RWMP Stakeholder Meeting - Madison, WI

August 7-9, 2012
Project Roadmap

- 2009 FHWA Self-Evaluation Guide
- 2010 Implementation Plan – 6 Targets
- 2011 Achieved All Target Strategies

But Winter was a “No Show”
Objectives

- INTEGRATION of severe weather events into ATMS to be managed by the TMC similar to a traffic event
- Proactive ADVISORY messaging
- Ability to EVALUATE results
Outcomes

• Automatic ATMS map display of dynamic NWS Warnings and Alerts
• Push vs. Pull to the desktop
• Polygon with tool tip weather data
• Right Click ability to add event
• Real Time updates as they Outcomes
A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT FOR SOUTHERN PLATTE, WEST CENTRAL CLAY, WESTERN WYANDOTTE AND EAST CENTRAL LEAVENWORTH COUNTIES UNTIL 7:30 PM CDT.

AT 7:14 PM CDT, A SEVERE THUNDERSTORM WAS LOCATED NEAR LANSING, AND MOVING SOUTHEAST AT 30 MPH. AT 8:01 PM, LOCAL EMERGENCY MANAGEMENT REPORTED A 60 MPH WIND GUST IN LEAVENWORTH. AT 7:01 PM, LOCAL EMERGENCY MANAGEMENT REPORTED A 60 MPH WIND GUST 1 MILE WEST OF JARRETT.

HAZARD...60 MPH WIND GUSTS SOURCE...RADAR INDICATED
IMPACT...MINOR TREE DAMAGE...WITH LIMBS UP TO ONE INCH IN DIAMETER BROKEN
LOCATIONS IMPACTED INCLUDE...
WEATHERBY LAKE, PARKVILLE, HEREFIELD, PLATTE WOODS, LAKE WALKOMS, KANSAS CITY INTL, WALDRON, PIPER, WOLCOTT, POMEROY, MAYWOOD AND BEVERLY HILLS.

THIS WILL IMPACT THE FOLLOWING INTERSTATES...
I-435 LOOP FROM MILE MARKERS 11 TO 42
I-28 BETWEEN MILE MARKERS 6 AND 25
WIND...60 MPH
Evaluation Tools

• Ability to correlate relationship of severe weather to traffic impacts
• Ability to assess effectiveness of proactive messaging and alerts
• Ability to share raw traffic data with 3rd parties
Preliminary Study: An Assessment of Hazardous Weather Impact on Traffic Flow in the Kansas City Metropolitan Area

15th Annual High Plains AMS/NWA Conference
Wichita, KS
4-6 August 2011
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NWS Analysis
Prepared by NWS Pleasant Hill, MO Meteorologists Suzanne Fortin and Matthew Dux, using raw traffic data provided by KC Scout

Google.docs links available upon request
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