Evaluation of a MDSS Deployment – City and County of Denver

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Map of Denver MDSS Study Area:
Six MDSS Coverage Zones
MDSS Evaluation Objectives

• Document current road weather management procedures
  – Identify changes in those procedures due to the use of an MDSS

• Document MDSS implementation strategies
  – Effects on decision making
  – Lessons learned

• Identify institutional and technical issues encountered in MDSS implementation
  – How have those issues been addressed?

• Assess relationship between agencies and MDSS developer
MDSS Evaluation Objectives (con’t.)

• Agencies’ organizational processes
  – Leadership of MDSS initiative
  – Staff engagement and acceptance
  – Affect on roles and responsibilities
  – Adoption of new technologies and procedures
  – Training
  – Fit with agency requirements

• Technical issues
  – Integration of technical components
  – Customization of treatment recommendations
  – Configuration of communications systems
  – System reliability and performance
  – Data acquisition and integration
Assessment Approach

• The kickoff meeting is scheduled for October 18, 2007

• Will consider an approach that involves a detailed reconstruction of winter storm events to document the uses of the MDSS
  – MDSS use can be compared with how decisions would have been made in the absence of the MDSS
  – Can comparatively examine similar districts or corridors where the MDSS is not being used
  – Three site visits and interviews with staff during winter
Evaluation Schedule

9/1/07
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