MDSS Cost/Benefit Analysis
Project Update

6th Clarus ICC/10th MDSS Meeting
Aug 4-7, 2008   Reno, NV

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Background

- 2007/2008 Denver Completed second winter of MDSS use
- Need to justify to upper management
- FHWA contracted Battelle to perform Cost-Benefit analysis
What will C/B give us

- Potential Savings
  - shift deployment
  - materials use

- Level of Service
  - Street condition
  - Focused response
Procedure

- Preliminary analysis over 2007/2008
- Determined Parameters
  - weather information
  - staff usage
  - materials
  - treatment
- Focused on five events
Procedure

- Detailed analysis for winter 2008/2009
  - Improved record keeping
  - Test/control districts
    - materials
    - fuel
    - level of service
Preliminary Results

- Significant Savings from shift deployment decisions
- Improved Level of Service primarily from proper anti-ice treatment