

MDSS Cost/Benefit Analysis

Project Update



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

Pat Kennedy, PE Denver Public Works

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

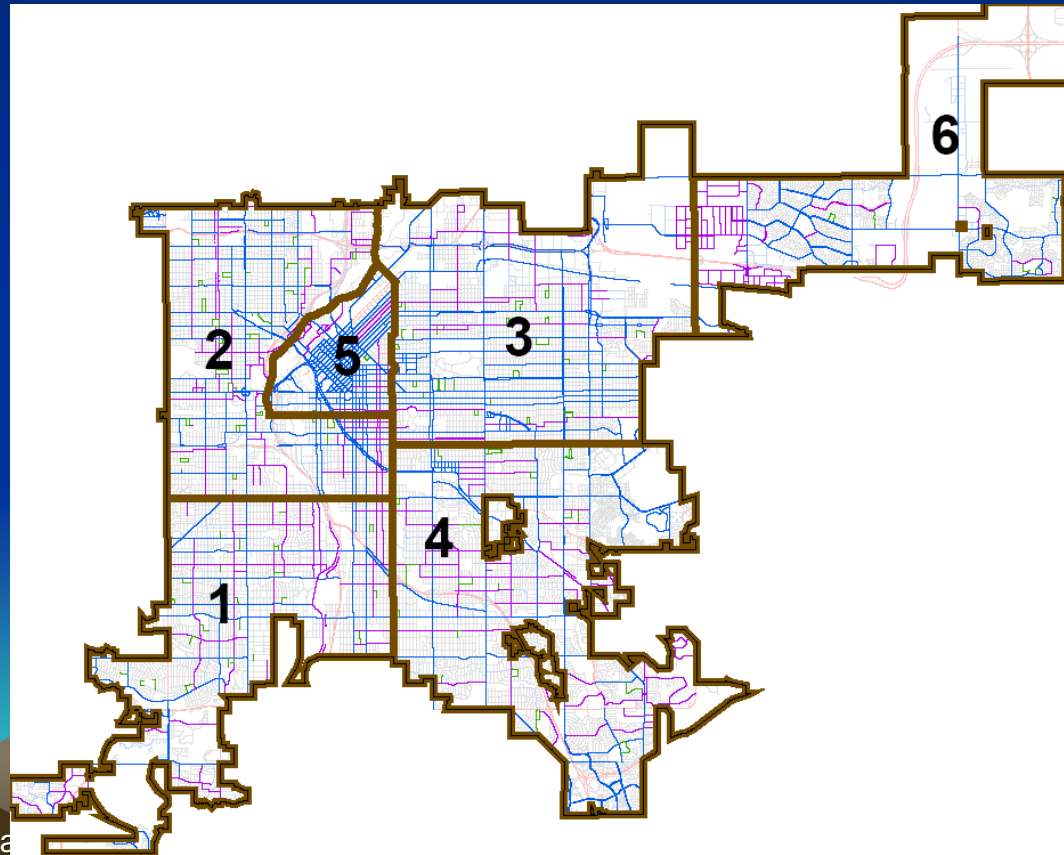
- **Potential Savings**
 - shift deployment
 - materials use
- **Level of Service**
 - Street condition
 - Focused response

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**