Federal Prototype MDSS

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Background

Maintenance Decision Support System (MDSS)

✧ First version was developed in 2001
✧ Version 6.1 recently released
✧ Deployed over Denver, E470 Toll road, Denver International Airport, A1 Highway – Madrid
✧ Plans for deployment in complex terrain
MDSS - Issues

- Tactical Forecasting
- Forecasting in Complex Terrain
- Pavement model issues (non-winter, high latitudes)
- Usefulness in Airport ground environment
  
  Complex Decisions
  Treatment recommendations
Future MDSS-type Systems

- Non-winter maintenance – pavement, precip, lightning, etc.
- Fleet routing
- Emergency Services
- Complex Airport DSS
- Rail
- Visibility

* Some of this still needs to be researched out
Future MDSS-type Systems
MDSS Information

http://www.rap.ucar.edu/projects/rdwx_mdss

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