

Maintenance Decision Support System



Intellectual Property Treatment

April 2002



MDSS Functional Prototype Components

Eight primary components

Ensemble Forecasting
FSL



Mesoscale Weather Models
FSL/NSSL



Maintenance Decision Support System

Road Weather Forecast System - NCAR

Road Chemical Concentration - CRREL

Road Mobility Index - CRREL

Road Surface Temperature - CRREL

Rules of Practice Module – CRREL & LL

Precipitation Type - NSSL

General IP Restrictions

<u>Technology</u>	<u>Restriction</u>	<u>Cost</u>
FSL Ensemble System	Public Domain	Free
¹ NCAR Road Weather Forecast system	License Needed	\$15,000 per VAM Free to US Government
NSSL Precipitation Type Algorithm(s)	Public domain	Free
CRREL/LL Rules of Practice - Coded	License Agreement may be required	Free to US Government and VAMS
CRREL Road Temperature Algorithm	Public Domain	Free
CRREL Road Chemical Conc. Algorithm	Public Domain	Free
CRREL Road Mobility Index Algorithm	Public Domain	Free
NOAA Mesoscale Weather Models	Public Domain	Free

¹NCAR's Road Weather Forecast System uses core technology that was developed with private funds.

Road Weather Forecast System License Restrictions

- Commercial License
 - Cost is \$15,000 per VAM
 - Restricted to surface transportation applications
- Government License
 - Cost is free (Federal, State, Local Government)
 - Restricted to surface transportation applications
- Research License
 - Cost is free
 - Time restricted (1-2 years) & use restricted

MDSS – Intellectual Property

The following are methods that may be used to transfer MDSS technology:

- Technical specification (algorithm specification, system specification, etc.)
- Scientific and/or technical publications
- Object code
- Source code

Release 1 of the MDSS system (and components) will occur on 20 September 2002 (pending FHWA approval).

The process for obtaining the components will be determined by 30 June 2002.