



Meridian

Environmental Technology Inc.

An Iteris Company

Providing Tomorrow's Technology Today!

HiCAPSTM

MDSSTM



CP ClearPath
511



Clarus/MDSS Stakeholder Meeting – Sept 8nd, 2011



Meridian
Environmental Technology Inc.
An Iteris Company

Meridian Environmental Technology, Inc.

- Founded and headquartered in 1996 in Grand Forks, North Dakota
- Advanced Technology-to-Market Innovator
 - Advanced Weather Forecasting
 - High-performance Computing
 - Leading-edge Research & Development
- Serves multiple markets in Weather, Maintenance, and Information Services
- Nationwide coverage with satellite offices in Minneapolis, MN; Denver, CO; Atlanta, GA; and Brownstown, IN

An Iteris Company

- Meridian joined Iteris in January 2011 to leverage cross-industry expertise

Iteris	Meridian
ITS Planning	ATIS Implementation
Traffic Management	Maintenance Decision Support
Systems Engineering	Information Technology

- Combining road infrastructure and design knowledge with expertise in roadway environment and weather interactions

What We Do...

- Primary Markets

- Surface Transportation

- ❄️ 511 Advanced Traveler Information Services
- ❄️ Maintenance Decision Support Systems (MDSS)
- ❄️ Maintenance Weather Services
- ❄️ Research / Design / Development / Evaluation

- Secondary Markets

- Power Utilities / Wind Energy Weather Services
- Agricultural Weather Services
- Information Technology Services
- Forensic Analysis / Scientific Evaluations & Research



Meridian's 511 Traveler Information System

- FCC designated number for en-route traveler information
 - Concept of en-route road condition and weather information originated at UND in 1995 and transferred to Meridian in 1998
 - 2001 Meridian deployed the first statewide 511 system across Nebraska
 - Meridian is the Nation's leading provider of statewide 511 systems

Meridian's 511 Operations

- 24/7/365 Road Weather Forecasting
- **Handle 20% of the nation's 511 call volume**
- <http://safetravelusa.com>



November 2009, the Meridian Team developed the **NATION'S 1st SELF SUSTAINING** 511 System in Georgia

ClearPath 511



Now 511 can contact
travelers directly!

Reduce calls to 511

Includes all 511 routes
for travelers' commutes

Routing Locations

Please select a route from the first column for which you would like to receive alerts. To subscribe, check the box for the appropriate segment of road. To unsubscribe, uncheck the box.

Find Route

Routes	Segments	Route Segments Selected
NV 027		
NV 028		
NV 030		
NV 031		
NV 033		
NV 036		
NV 038		
NV 040		
NV 047		
NV 048		
NV 049		
NV 051		
NV 052		
NV 053		
NV 054		
NV 058		
NV 020		
NV 025		
NV 026		

Description	Start	End	Schedule							
			S	M	T	W	T	F	S	
Cellular Phone	5:20 am	5:35 pm	✓	✓	✓	✗	✗	✓	✓	✓
Account Email	7:15 am	4:45 pm	✗	✓	✓	✓	✓	✓	✗	✗

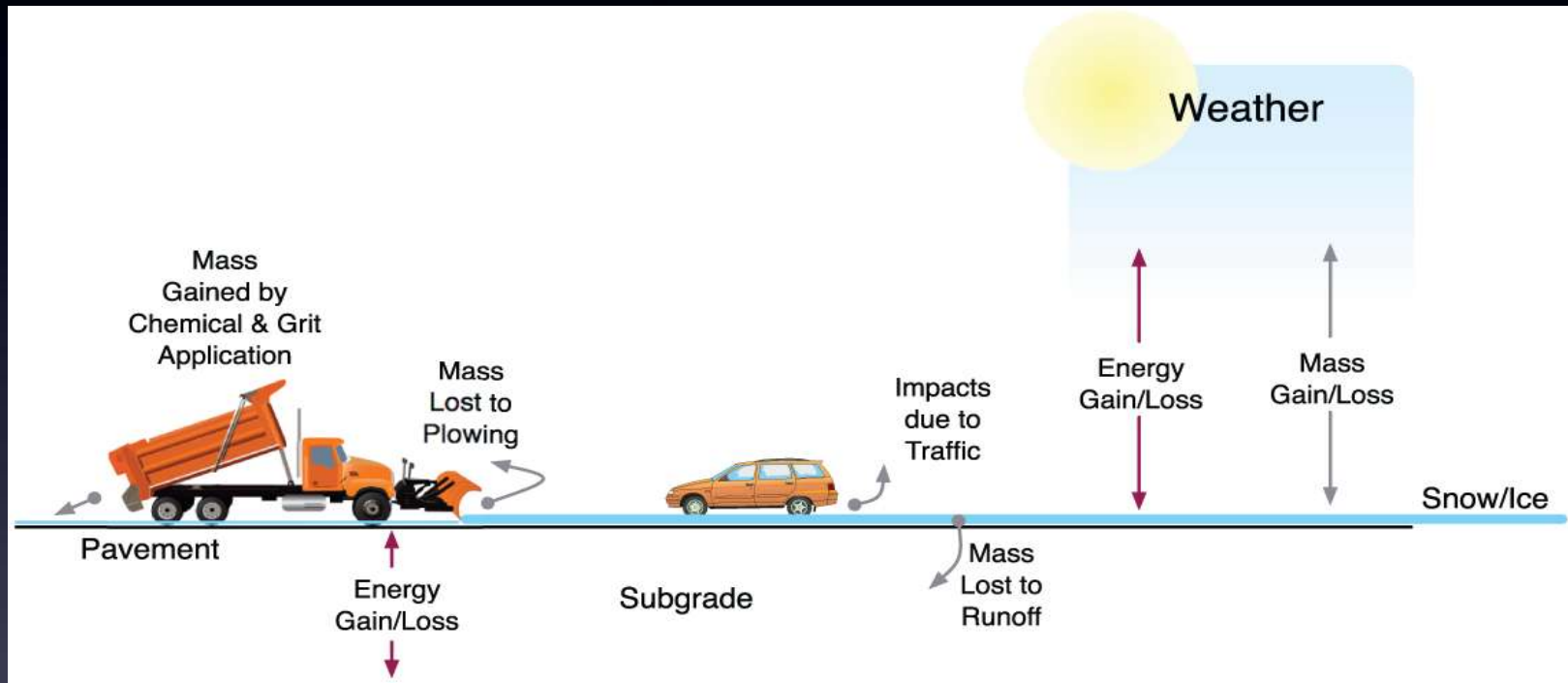
Save Location

Flexible Customizable options

Complimentary data feed
for your State Twitter page



Meridian HiCAPS Mass & Energy Pavement Model



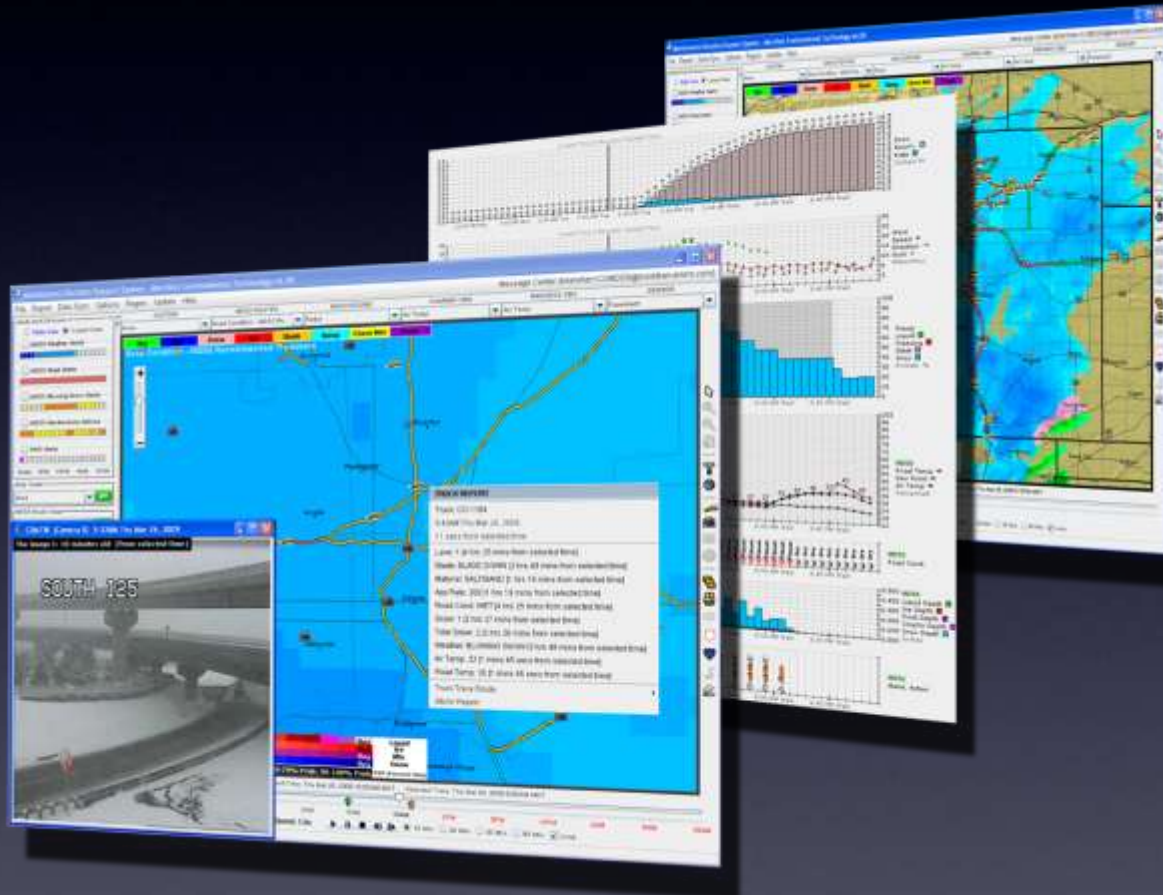
MDSS™

One-of-a-kind next generation winter highway maintenance

“What if?”
Scenario Simulator

Route-specific
past, present, and future
weather and maintenance information

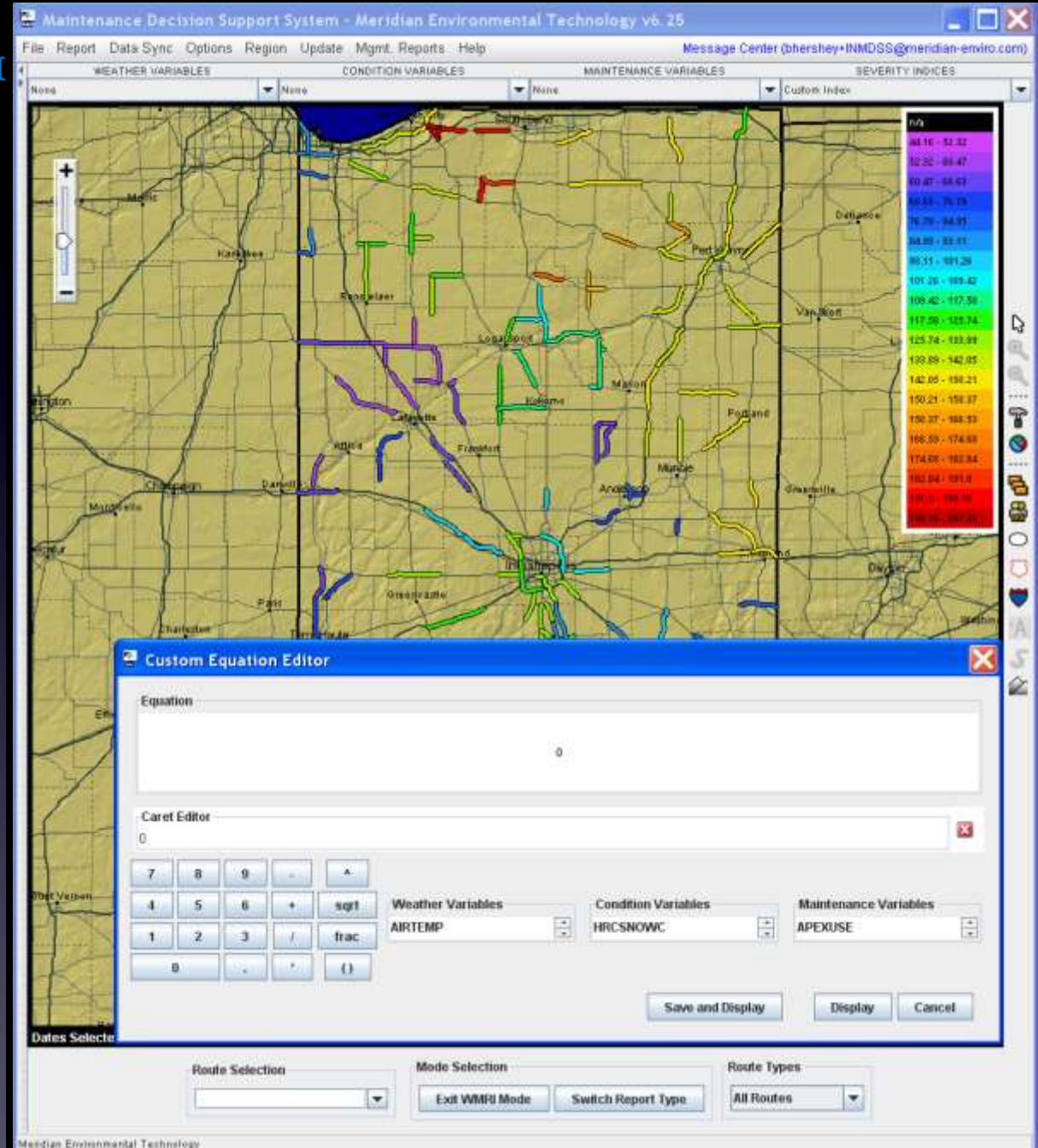
The most dynamic MDSS solution



MDSS™

Management Tools:

- Develop Agency specific Winter Severity Index
- Ability to assess weather, road, and maintenance on a route-by-route basis over time





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- Contact Information

- Ben Hershey – Director of Road Weather Services
- Direct Line: 701-792-1864
- Main Office: 701-792-1800
- www.meridian-enviro.com
- Email: bhershey@meridian-enviro.com

