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PERFORMANCE

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# Iowa Department of Transportation



# Performance and Technology

# Information Technology

Strategic Planning

Performance Management

Process Improvement

Asset Management

#### **Public Engagement**

 Transitioning from dissemination only to increased engagement
Multiple Platforms
Transparency
<u>Organizational Communication
Alignment
Change management
</u>

## Research

Hard – Engineering, Technical
Soft – Societal, Future
Identify Points of Leverage

Analytics

Data Integration
Data Visualization/Analysis
Business Intelligence

# Organizational Improvement

Strategic Communications

Research and Analytics

# Enterpri Service

# Highwa Support To



# Technology

Strategic Planning

• Performance Management

Process Improvement

Asset Management

# Organizational Improvement

Strategic

## **Public Engagement**

- Transitioning from dissemination only to increased engagement
- Multiple Platforms
- Transparency

Auranizational Communication

Process Improvement

Asset Management

# Improvement

## Public Engagement

- Transitioning from dissemination only to increased engagement
- Multiple Platforms
- Transparency
- **Organizational Communication**
- Alignment
- Change management

# Strategic Communications

**Research and** 

nalution

## Research

- Hard Engineering, Technical
- Soft Societal, Future
- Identify Points of Leverage

Analytics

- only to increased engagement
- Multiple Platforms
- Transparency
- **Organizational Communication**
- Alignment
- Change management

# Strategic Communications

## Research

- Hard Engineering, Technical
- Soft Societal, Future
- Identify Points of Leverage

## Analytics

- Data Integration
- Data Visualization/Analysis
- Business Intelligence

# Research and Analytics

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# CIOWADOT

OVERVIEW

CURRENT INITIATIVES

TOOLS

WHAT IS PLANNING?

## IOWA DOT STRATEGIC PLAN

#### **CURRENT INITIATIVES**

Performance Data Portfolio/Project

#### PERFORMANCE MANAGEMENT

An important early step in the change process is

understanding who we are and what we do by measuring performance. Improvement requires using performance measures to make needed changes. While measurement of performance gives us a base to work from, the Iowa DOT must work toward a standard practice of managing performance using information every day to improve the goods and services we provide to our customers.

Performance management - the use of performance information to improve - has been identified as the critical first step to moving the department forward. This will involve working to understand what we are responsible for, why it is important, and how measures



#### CURRENT STATUS

Communication

The Performance Management Implementation team is made up of Kate Murphy, Annette Dunn, Jon Makovec, Garrett Pedersen, Alex Jansen, Corey Lorenz, John Hart, and Mark Lowe. The team is beginning to meet to layout the priorities and plan for performance management improvement across the Iowa DOT.

## CONTACTS

Garrett Pedersen, team leader Alex Jansen, co-leader

#### LEARN MORE

Milestones, meeting notes, and team contacts



Workforce

communication U Workforce and knowledge C management

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Data integration

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**KEY INITIATIVES** 

A-Z

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Q Search All of Iowa.gov.

Performance 0 management

Portfolio and project management

Organizational



COWADOT



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(mail) Export Print Logout

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WOPR Winter Operations Portal & Reporting

## Identify Results (4)

US 169 N at Post 213 Offset 0.65



Click on Picture for Full Screen

## A32594 - 11/15/2014 10:05:39 AM US 169 N at Post 219 Offset 0.99





## 6-HOUR STORM RESPONSE LAYER I 35 N | Last pass at: 12/23/2014, 6:01:13 AM

Number of Passes: 20 Number of Pings: 569 Segment Length: 12 Miles

ForeVCity

Average Velocity: 22 MPH Average Air Temp: 37 Average Road Temp: 28

MATERIAL PER LANE-MILE Solid: 30 Lbs. Liquid: 0 Gal. Prewet: 2 Gal. AVERAGE PER SEGMENT Solid: 120 Lbs. Liquid: 1 Gal. Prewet: 8 Gal.

Hank Field

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TOTAL PER SEGMENT Solid: 7193 Lbs | Cost: \$283 Liquid: 97 Gal. | Cost: \$11 Prewet: 464 Gal. | Cost: \$51

EQUIPMENT COST: \$358

Airpon



View Additional Details

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# CIOWADOT

# PERFORMANCE

The lowa DOT is committed to providing the public, lawmakers, and partners with easy to understand information that demonstrates how we are managing the state's transportation infrastructure. We are working hard to minimize costs and improve your transportation services in Iowa.



## Infrastructure condition

View interactive maps for bridge and road conditions.



#### Safety

View the current weekly fatality count, weekly safety message, and fatality and major injury data.



View a list of current construction projects impacting travel throughout Iowa.



Winter operations Get data for weather, salt, costs, and snow removal outcomes.

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#### Performance

Infrastructure condition

🕑 Iowa DOT home

Performance home
Infrastructure condition

- > Projects
- Safety
- ▶ Winter operations
  - Legend
- Good Fair • Poor •

Bridge condition Road condition

#### Iowa Bridge Condition Index

The Iowa Bridge Condition Index reflects the overall condition of the bridge, taking into account things such as structural condition, load carrying capacity, horizontal and vertical clearances, width, traffic levels, type of roadway its serves, and the length of out-ofdistrance travel if the bridge were closed. A bridge in good condition is adequate for today's traffic and vehicle loads. A bridge with a poor condition index rating is not unsafe, but should be considered for repair, replacement, restriction posting, weight limits, or monitoring on a more frequent basis.



Displayed data: Includes bridges on all public roads in Iowa, regardless of jurisdiction - interstate, U.S., Iowa, county, municipal, etc.

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Road condition

#### Performance

Infrastructure condition

**Bridge condition** 

- () Iowa DOT home
- > Performance home

● Infrastructure

condition

Projects

Good

Fair

Poor

Safety
Winter operations

Legend

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## Pavement smoothness

One indicator of pavement condition is the smoothness of the ride. This measure gets to the subjective "feel" of the roads that most of us notice when we're riding on the road. Although this can vary by season, due to lowa's climate roads are typically rougher in the winter, the measure of smoothness is one indicator of the overall pavement health – particularly when combined with measures of pavement structure.

All states use a federally mandated standard measure of pavement smoothness, the International Roughness Index (IRI). The map below classifies each of Iowa's primary routes as good, fair, or poor based on pavement smoothness. It is important to note that this is only one indicator of overall pavement condition and many other factors are also taken into consideration when determining which roads are candidates for rehabilitation.







