

1st Semiannual

Transportation Research Forum

Kansas City, Mo

April 17, 2007

MoDOT Panel Discussion

- Don Hillis – Director of System Management
- Eileen Rackers – State Traffic Engineer
- Leanna Depue – Highway Safety Director
- Machelles Watkins – Transportation Planning Director
- Bill Stone – Organizational Performance Administrator

Overview

- Roles of MoDOT into focus areas
- Strategic Research Vision
- Current research efforts
- Areas of research needs

Background into Strategic Research Vision

- Tangible Results
- Tracker
- Policy/decision-making/legislative issues
- Systematic approaches

Key Tangible Results

- Uninterrupted Traffic Flow
- Safe Transportation System
- Roadway Visibility

Key Tangible Results

- Innovative Transportation Solutions
- Efficient Movement of Goods
- Advocate for Transportation Issues

Policy/Decision-Making/ Legislative Issues

- Need for information to make decisions
- Information needed to answer policy concerns
- Response to legislative issues
- Implementation needs

Roles and Responsibilities in Research

- Organizational Results
- Traffic
- Highway Safety
- Transportation Planning

Organizational Results

- Assist MoDOT to identify and prioritize research projects
- Administer research contracts
- Management of in-house research
- Assist MoDOT divisions with implementation of research

Research Focus Areas

- Highway Safety
 - ◆ Safer work zones
 - ◆ Better roadway visibility
 - ◆ Improved roadside safety

Research Focus Areas

- Traffic Management
 - ◆ Construction and work zones
 - ◆ ITS
 - ◆ Incident management

Research Focus Areas

- Transportation Management Systems
 - ◆ Bridges
 - ◆ Pavements
 - ◆ Roadsides
 - ◆ Infrastructure

Highway Safety Efforts

- Blueprint for Safety
- Media campaigns
- Survey research
- Safe Routes to Schools
- Battle of the Belt
- Educational programs

Traffic Efforts

- ITS
- Workzone Mobility and Visibility
- Traffic Signal Operations
- Incident / Emergency Response
- Crash data analysis

Current Research Efforts

- Best practices of ITS equipment procurement
- Tractor-Trailer – passenger vehicle interaction
- Survey before/after pick-up truck media campaign

Current Research Efforts

- Evaluation of striping and delineation program
- Traffic sign/signal photo enforcement
- Diverging diamond interchange

Current Research Efforts

- Evaluation of flashing yellow arrow at traffic signals interchanges
- 2 + 1 simulation
- Median guard cable policy
- Freight optimization

Areas of Research Needs

- Practical ITS solutions
- Real-time data coverage
- Practical method to inform motorist mid-trip
- Incident management practices

Areas of Research Needs

- Interoperable communications systems
- Maintenance and operational reviews of ITS equipment

The background is a solid blue color. It features the word 'MODDOT' in a large, light blue, sans-serif font, positioned horizontally across the upper half of the image. Below the text, there are several abstract, light blue geometric shapes, including curved lines and angular forms, which appear to be part of a larger design or logo. The overall aesthetic is clean and modern.

Questions?