Midwest Safety Scanning Tour
Iowa - Minnesota

Brian Chandler, PE, PTOE - Missouri DOT

1/20/2006
The Goal

1,000
The Essential Eight

1. Seat Belts
2. Targeted Enforcement
3. Public Education
4. Rumble Strips
5. Signs and Striping
6. Median barriers (Guard Cable)
7. Alcohol
8. Shoulders, clear zones
4 Es of Safety

We cannot do it alone
Scanning Tour Sponsors

Don Neumann - FHWA
Tom Welch - IDOT
Tim Simodynes - IDOT
Reg Souleyrette - CTRE
Loren Hill – MnDOT
John Tobin – 3M

Presentation elements borrowed from all of the above
Scan Team

- Brian Chandler – MoDOT Traffic
- John Schaefer – MoDOT Traffic
- John Miller – MoDOT Planning
- Jake Ray – MoDOT District 5
- Michael Briggs – Mid-America Regional Council
Engineering
Offset Right Turn

Clear Departure Sight Region With Right-Turn Vehicle Present As A Result of Offset Right-Turn Bay
Offset Right Turn
Shoulders & Curves

- Add 4-foot paved shoulder if more than 3000 vehicles per day
- Worst 30 curves in Iowa - Chevrons
4-Lane to 3-Lane Conversion
4-Lane to 3-Lane Conversion
Guard Cable + Rumble Strips
Guard Cable Application
Pennants Everywhere
Warning: 4-way Stop
Warning: Signal

PREPARE TO STOP WHEN FLASHING
Work Zones

Dynamic Late Merge

1-83 SB

FLASING ARROW PANEL

TAKE YOUR TURN

MERGE HERE

USE BOTH LANES

USE BOTH LANES

USE BOTH LANES

TRAFFIC BACKUP

ROAD WORK 0.5 MILE

RIGHT LANE CLOSED 0.5 MILE

ROAD WORK 1 MILE
Work Zones

Automated Flaggers
Nerd stuff
Education
“It’s like having another staff”
- Tom Welch, Iowa DOT
Sharing Crash Data

- SAVER, ITSDS
- 23 U.S. Code 409
Traveler Information

Partners
MnDOT, Patrol, EMS, Towing, Police, Fire, Hazmat, Media
• Prevent secondary crashes
• Minimize congestion
• Assist 16,000 motorists each year
Enforcement
Data-based Enforcement

Roads that will change to 60 mph with extra enforcement
Data-based Enforcement

Friday (Memorial Day Weekend 2004) - Drivers Over 80 M.P.H.
Data-based Enforcement

Friday (Memorial Day Weekend 2005) - Drivers Over 80 M.P.H.
Non-traditional Partners
Multi-disciplinary Teams

Traditional & Non-traditional partners

Road Safety Audits
“Relationships are all there is. Everything in the universe only exists because it is in relationship to everything else. Nothing exists in isolation.

We have to stop pretending we are individuals that can go it alone.”

- Margaret Wheatley
Questions?

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