

Midwest Safety Scanning Tour

Iowa - Minnesota

1/20/2006

Brian Chandler, PE, PTOE - Missouri DOT



Quick Background



Missouri's **blueprint** for Safer Roadways



November 2004

The Goal



1,000

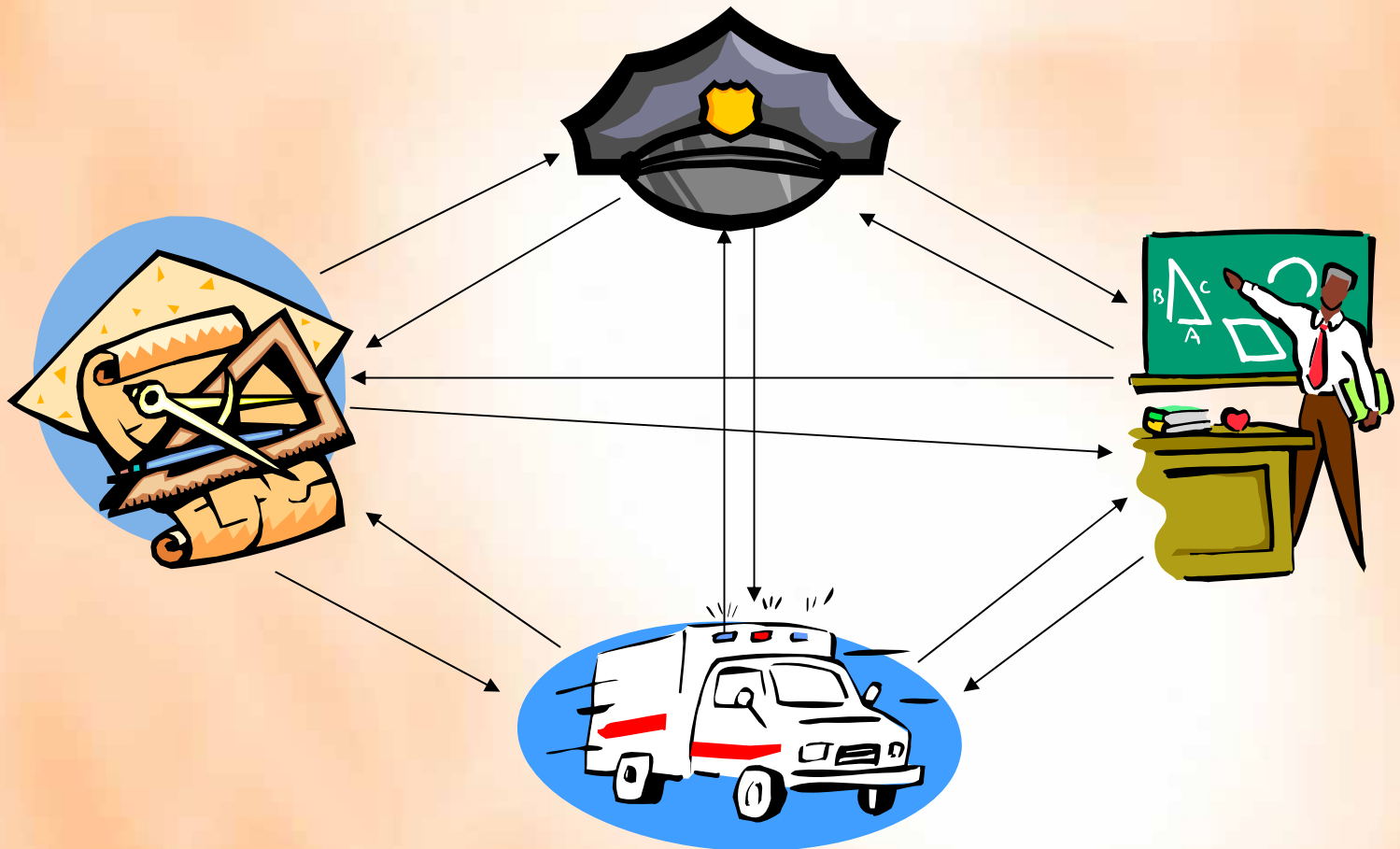
The Essential Eight

- 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



Safety Expertise



The Tour





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**

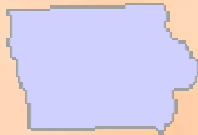


Schedule

October 17-20, 2005

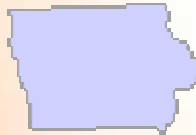


Monday



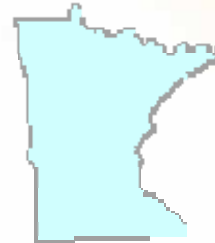
Iowa DOT

Tuesday



CTRE

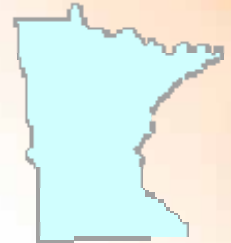
Wednesday



MnDOT

3M

Thursday



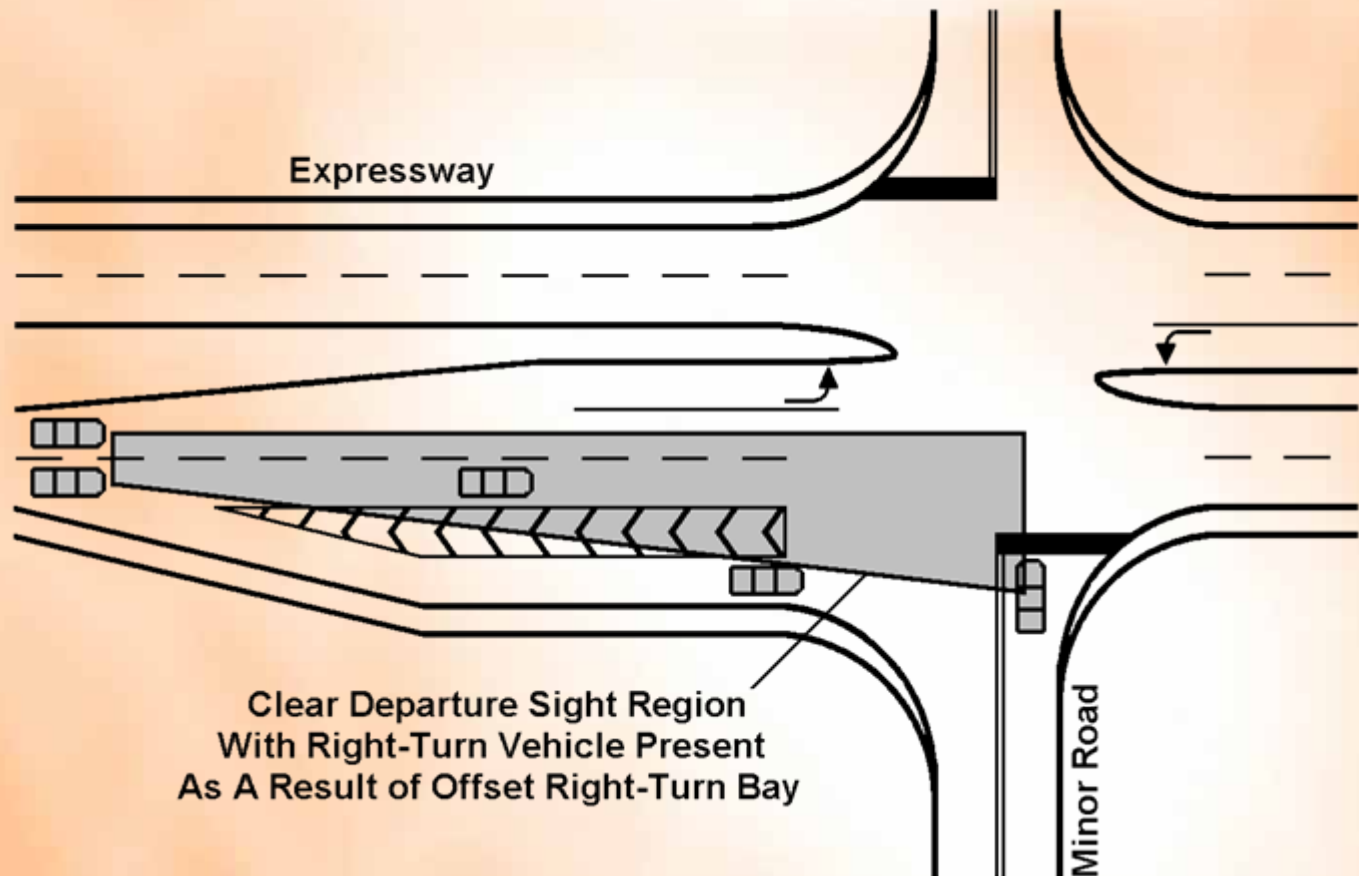
MnDOT

Engineering





Offset Right Turn





Offset Right Turn





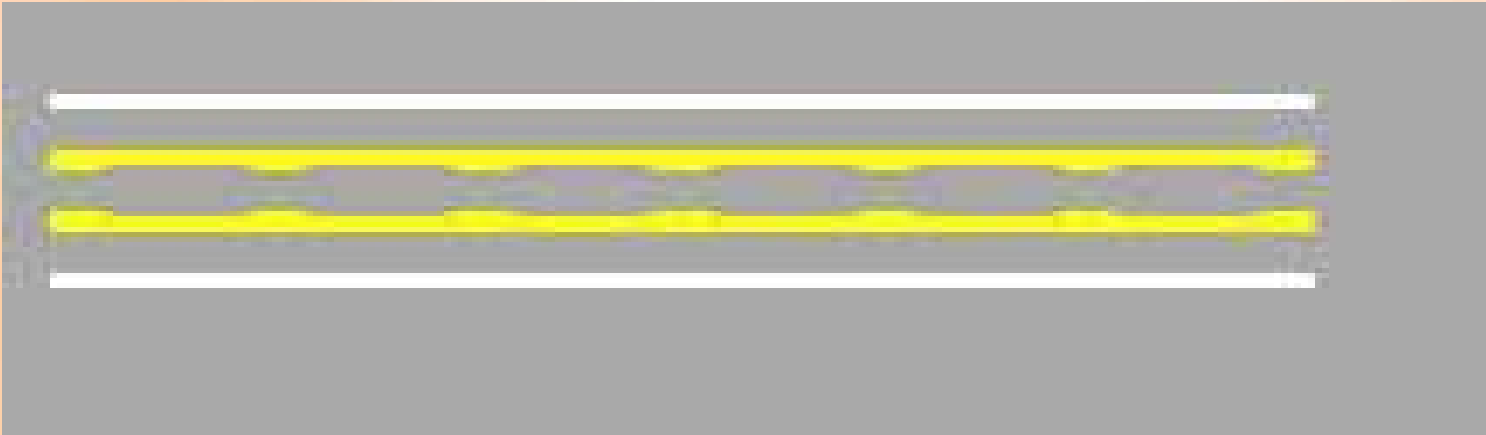
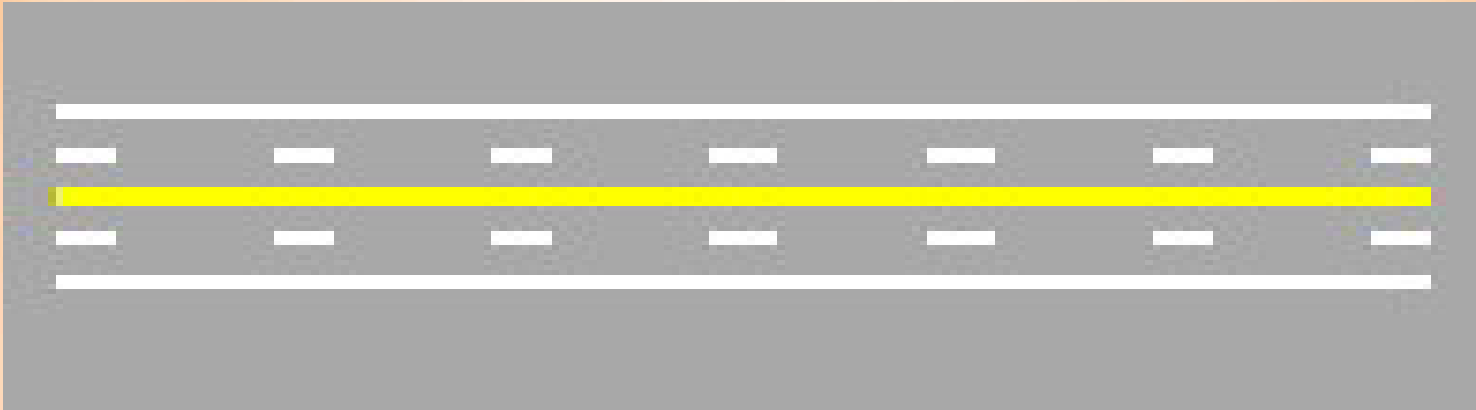
Shoulders & Curves

- 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



2005 10 21



Guard Cable Application





Pennants Everywhere





Warning: 4-way Stop



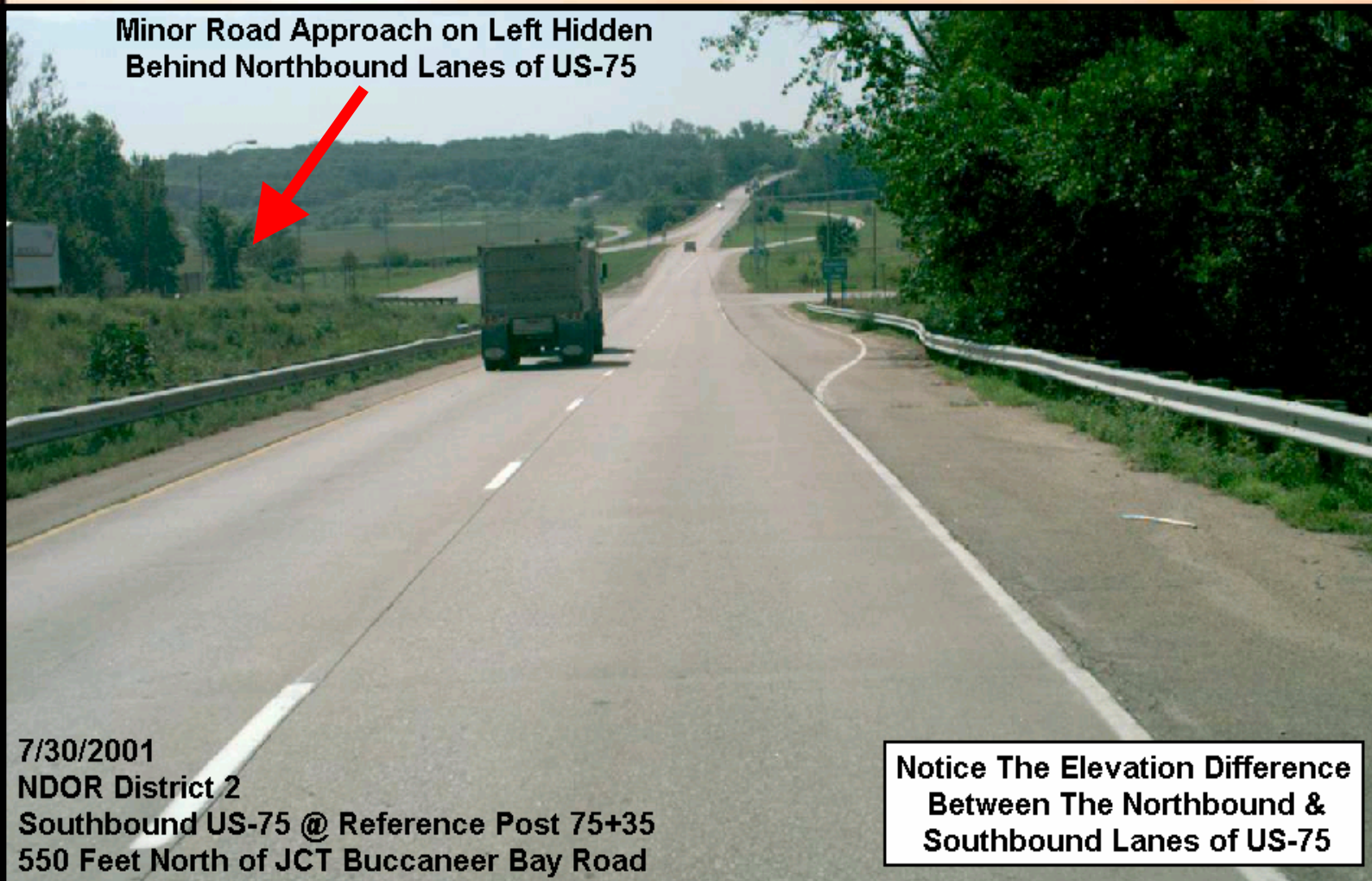
Warning: Signal





Expressway Alignment

Minor Road Approach on Left Hidden
Behind Northbound Lanes of US-75



7/30/2001
NDOR District 2
Southbound US-75 @ Reference Post 75+35
550 Feet North of JCT Buccaneer Bay Road

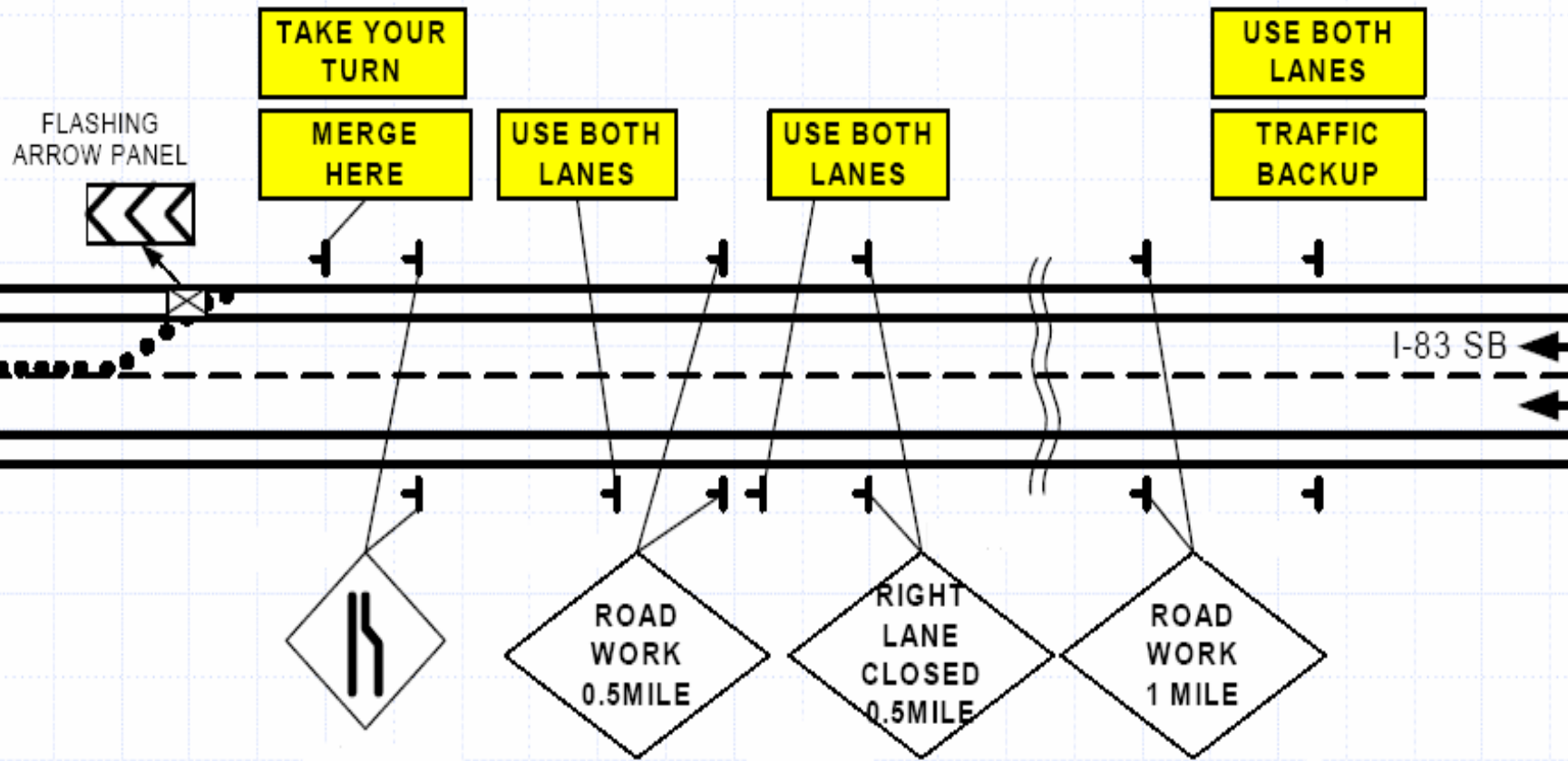
Notice The Elevation Difference
Between The Northbound &
Southbound Lanes of US-75





Work Zones

Dynamic Late Merge





Work Zones

Automated Flaggers

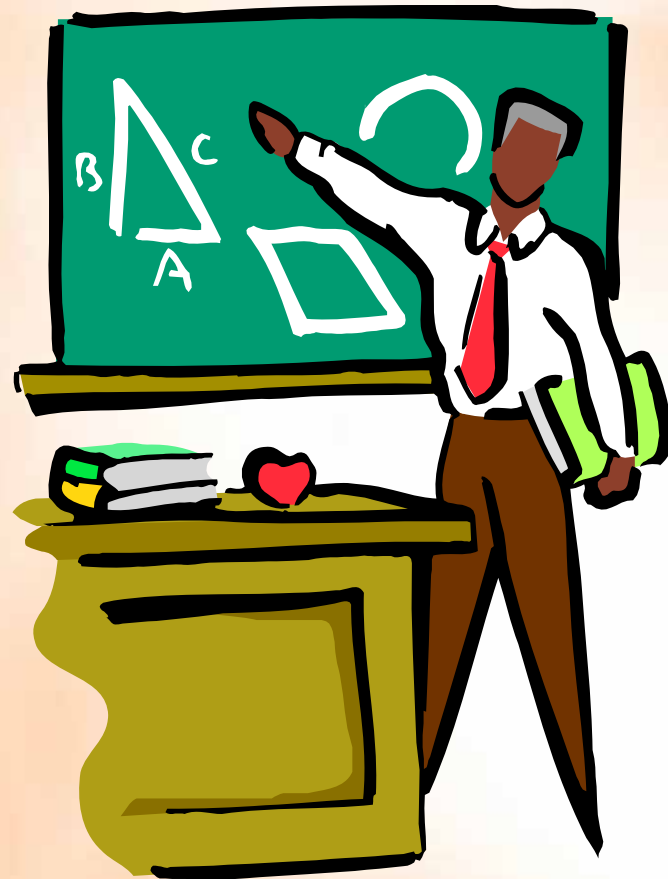


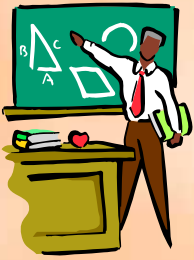


Nerd stuff



Education





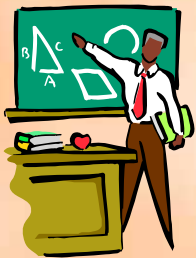
University Partnerships



ctre

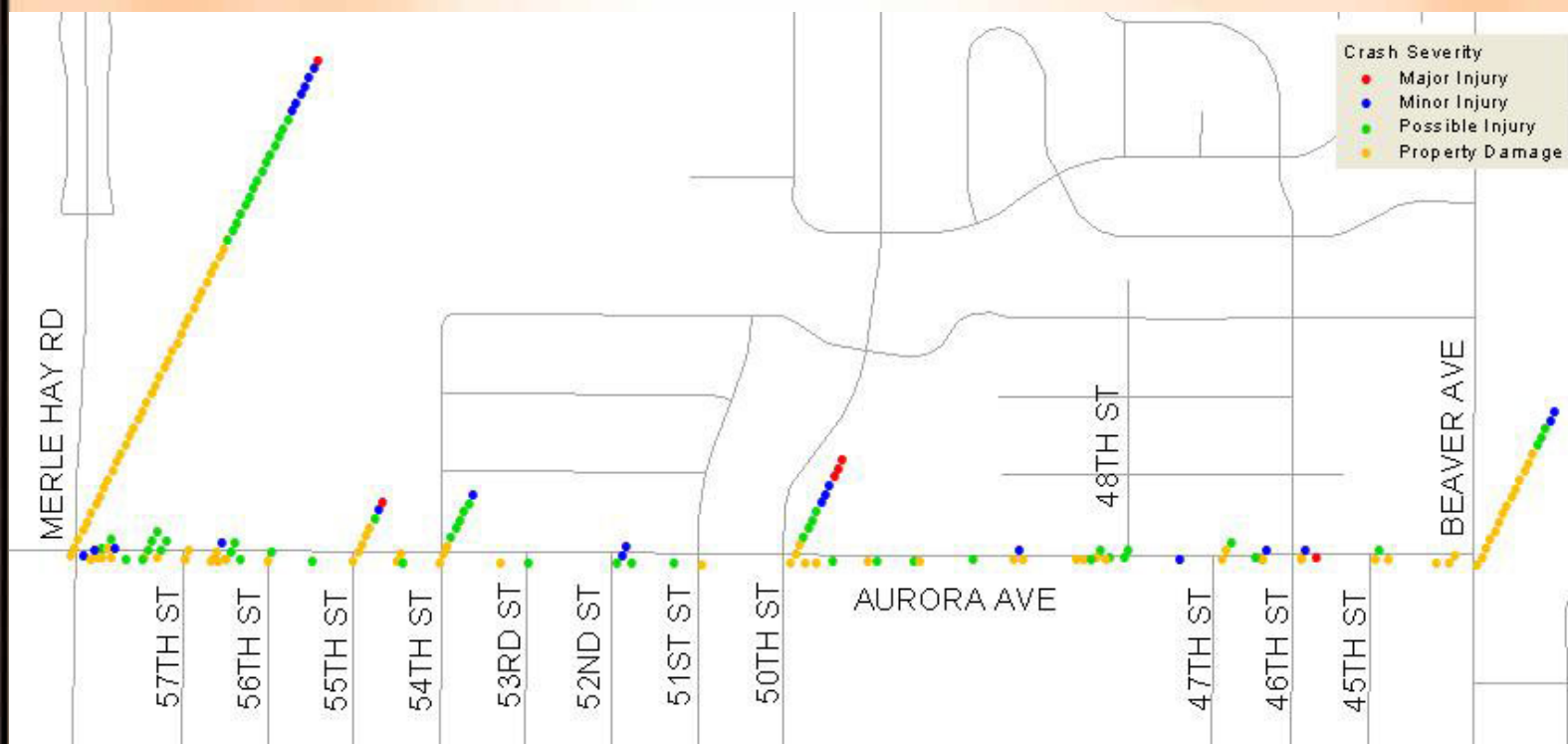
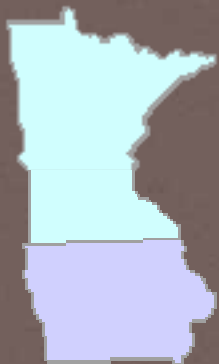
“It’s like having another staff”

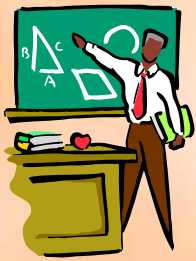
- Tom Welch, Iowa DOT



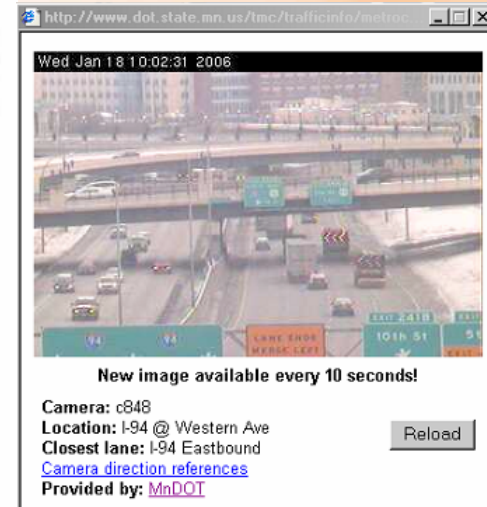
Sharing Crash Data

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





Traveler Information



Partners

MnDOT, Patrol, EMS, Towing, Police, Fire, Hazmat, Media

Emergency Medical Services





FIRST



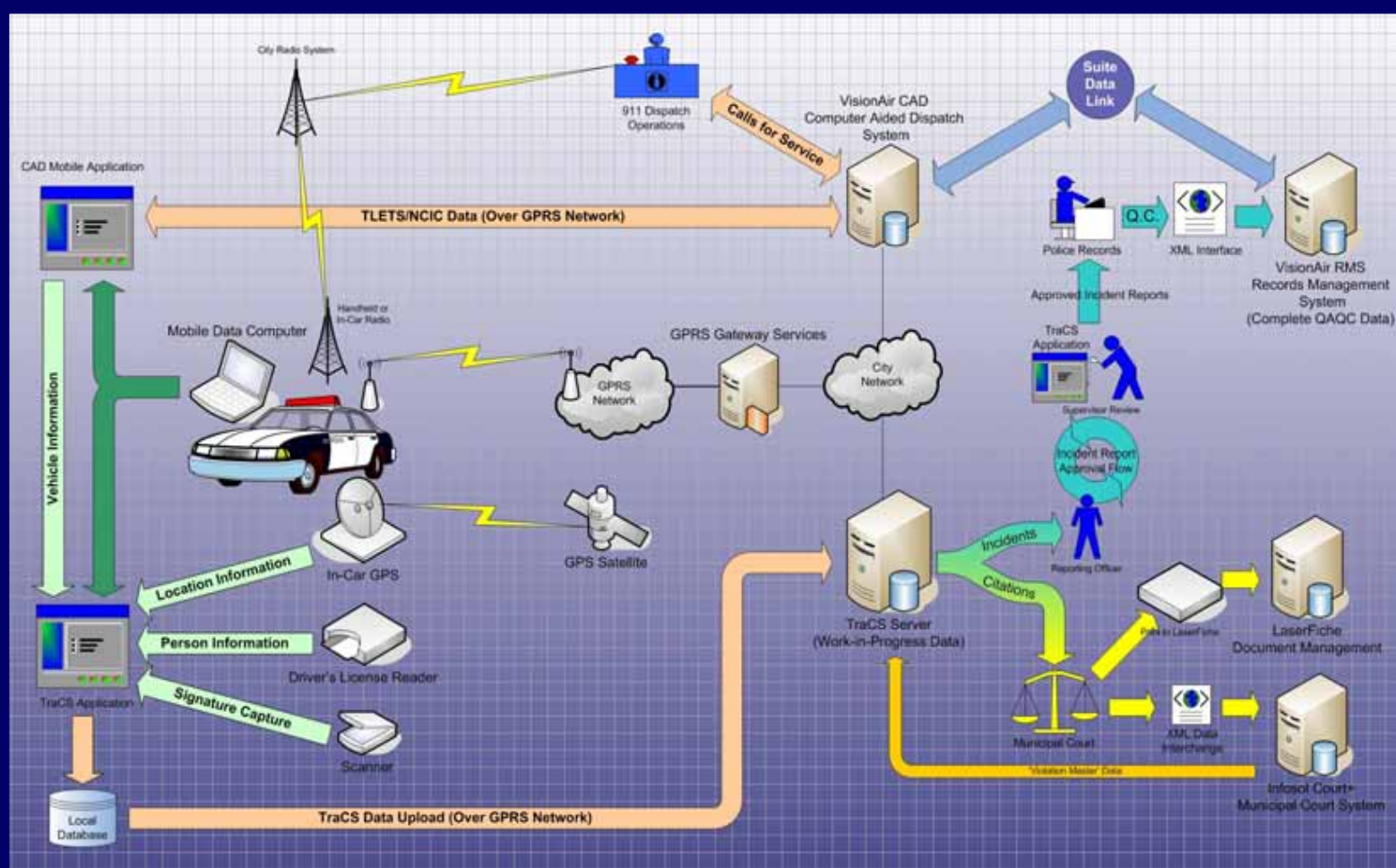
Freeway Incident Response Safety Team

- **Prevent secondary crashes**
- **Minimize congestion**
- **Assist 16,000 motorists each year**



Enforcement







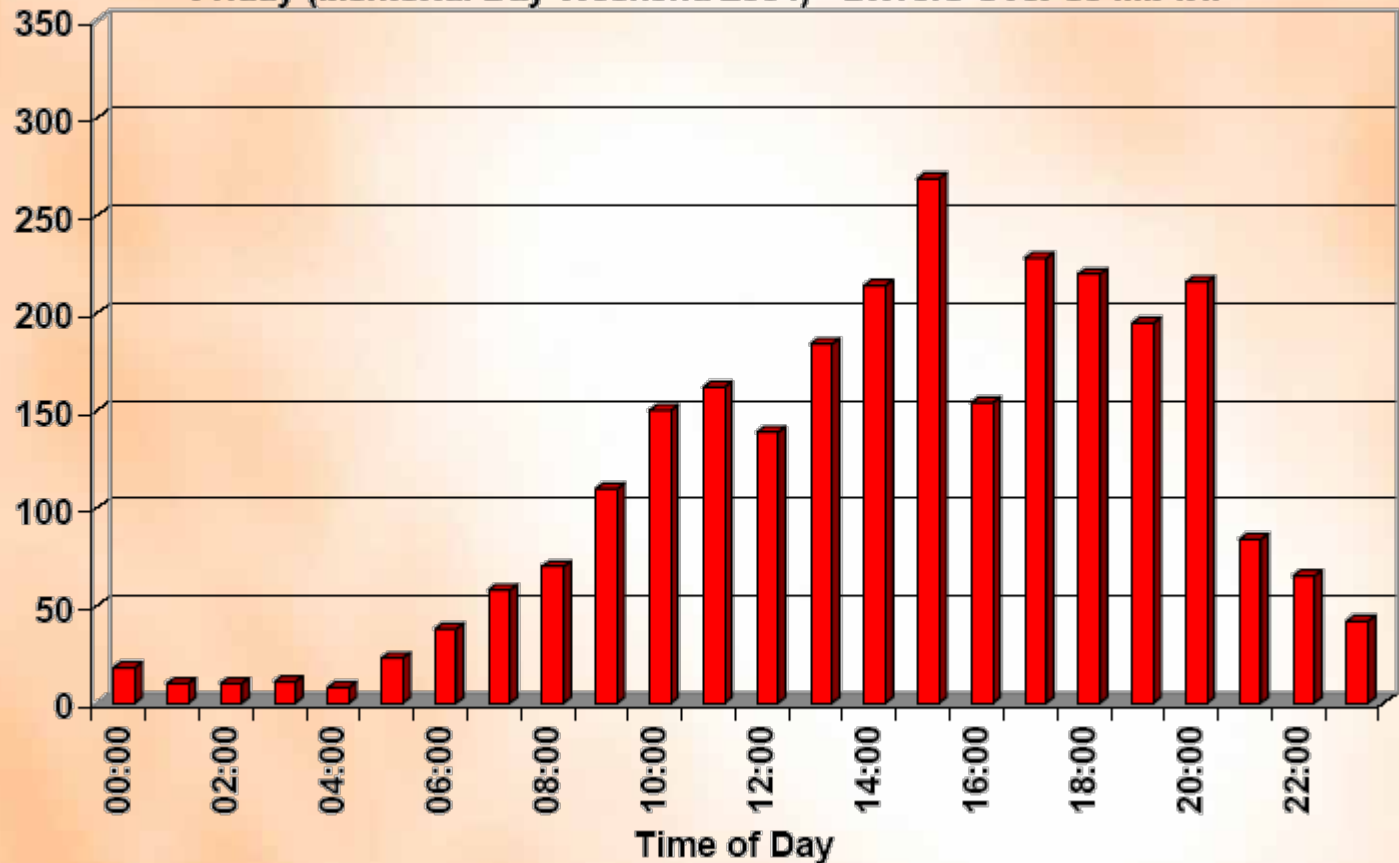
Roads that will change to 60 mph with extra enforcement



Data-based Enforcement



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

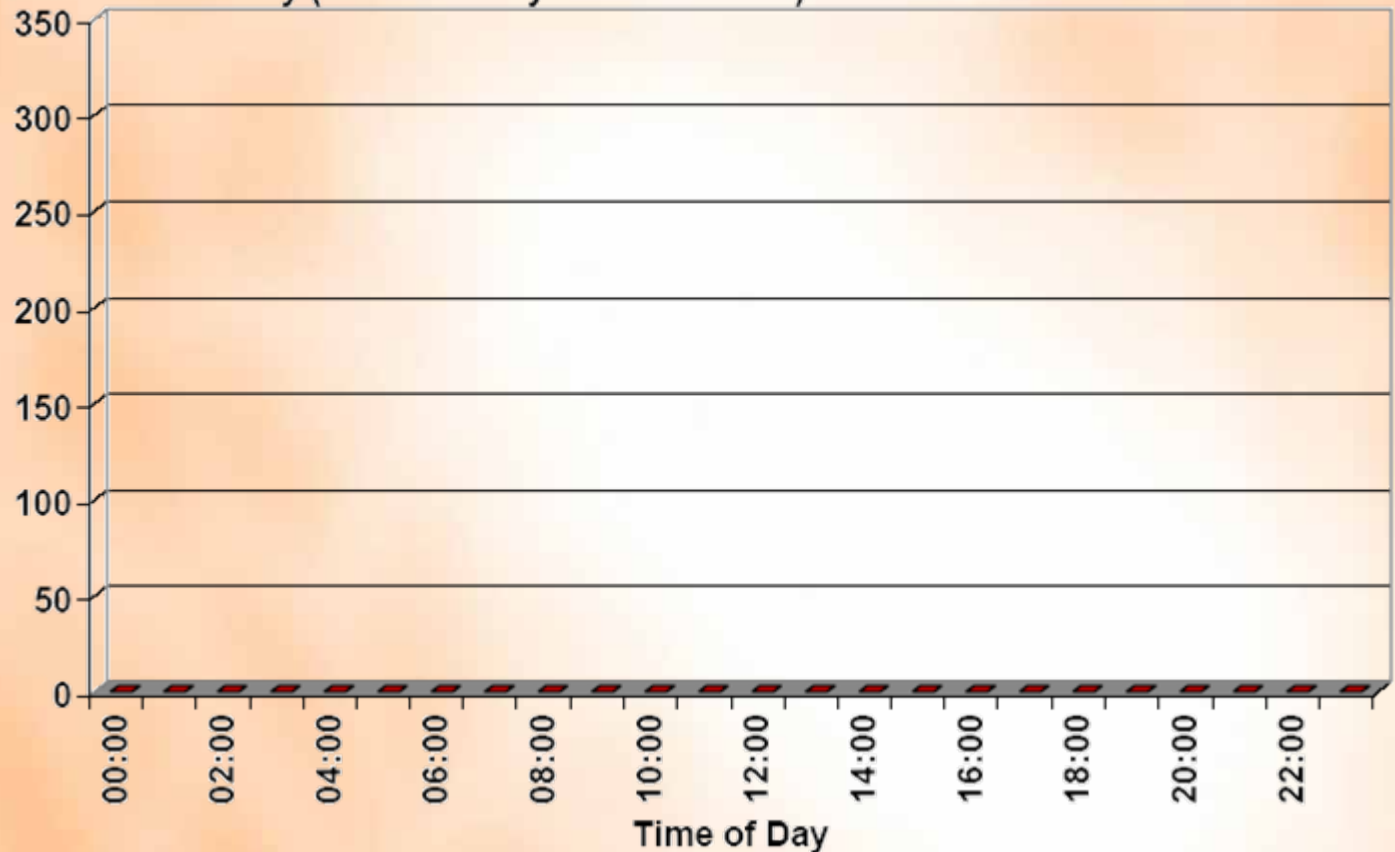




Data-based Enforcement



Friday (Memorial Day Weekend 2005) - Drivers Over 80 M.P.H.



Non-traditional Partners





Industry Partners



Wet Reflective Stripes

3M



DG³ Sign Sheeting

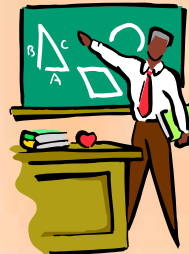
Multi-disciplinary Teams

**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?

Brian Chandler

Missouri DOT

Traffic Division - Safety Section

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