What is the problem?

- Over 4M PDO crashes
- $230B Cost to the Nation
- 42,636 Fatalities
- Nearly 3M Injuries
- $1.305 billion
- $215 million

Trends in Motor Vehicle Fatality Rates

<table>
<thead>
<tr>
<th>Year</th>
<th>Fatality Rate per 100 Million VMT</th>
<th>Fatality Rate per 100,000 Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>1923</td>
<td>20.4</td>
<td>1.6</td>
</tr>
<tr>
<td>1966</td>
<td>16.8</td>
<td>1.2</td>
</tr>
<tr>
<td>1980</td>
<td>11.6</td>
<td>1.0</td>
</tr>
<tr>
<td>1990</td>
<td>8.2</td>
<td>0.8</td>
</tr>
<tr>
<td>1995</td>
<td>7.0</td>
<td>0.7</td>
</tr>
<tr>
<td>2000</td>
<td>6.3</td>
<td>0.6</td>
</tr>
<tr>
<td>2001</td>
<td>6.1</td>
<td>0.6</td>
</tr>
<tr>
<td>2002</td>
<td>5.9</td>
<td>0.6</td>
</tr>
<tr>
<td>2003</td>
<td>5.7</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Highway Crash Characteristics

- Distracted driving (25%)
- Impaired driving (41%)
- Roadway departures (38%)
- Speeding (31%)
- Failure to wear safety belts (59% unrestrained)
- Intersections (21%)
- Pedestrians (11%)
- Pedalcyclists (2%)
- Trucks (11%)
- Motorcycles (8%)
- Transit (.7%)

Total = 247%
### Pedestrians
- 4,641 fatalities
- 68,000 injuries

### Pedalcyclists
- 725 fatalities
- 41,000 injuries

### Transit
- 295 fatalities
- 56,607 injuries
- 59,898 incidents

### Where Fatalities Occur by Roadway Functional Class
**2001 Data**

<table>
<thead>
<tr>
<th>Roadway Functional Class</th>
<th>Number of Fatalities</th>
<th>Fatality Rates (per 100 Million VMT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Roads</td>
<td>19%</td>
<td>0.9</td>
</tr>
<tr>
<td>Collectors</td>
<td>22%</td>
<td>1.6</td>
</tr>
<tr>
<td>Arterials</td>
<td>42%</td>
<td>2.2</td>
</tr>
<tr>
<td>Interstate and Other Freeway</td>
<td>17%</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### Young Drivers
- Motor vehicle crashes = leading cause of death for 15-20 year olds
- Highest crash risk in all types of crashes of any age group
- Most severe problem – 16 year-olds least driving experience, more risk taking, sense of infallibility

### Older Drivers
- Older Person Safety and Mobility 2002
  - 9% of population
  - 12% of traffic fatalities
  - Travel mileage has increased by 20% since 1995

- Older Person Safety and Mobility 2030
  - Population ≥ 65 will more than double by 2030
  - (30M => 70M)
Translating Crash Statistics into Local Terms

**Iowa Crime – Crash Clock**

- 1 murder every 8.3 days
- 1 aggravated assault every 90 minutes
- 1 violent crime every 70 minutes
- 1 property crime every 7 minutes
- 1 crime every 6 minutes
- 1 fatality every 18 hours
- 1 injury every 15 minutes
- 1 property damage crash every 10 minutes
- 1 crash every 7 minutes

**TSP Background**

Each statewide and metropolitan planning process shall provide for consideration of projects and strategies that will increase the safety and security of the transportation system for motorized and non-motorized users.

*TEA-21*
Data Driven

Crash Data
Enforcement Data
Roadway Data
Enforcement Experience
Public/Elected Officials
Road Safety Audits
Research

Problem Identification
Hot Spot Analysis
Proactive
Program/Project Selection
Evaluation
Goals, Objectives, Performance Measures
Course Corrections

A problem well stated is a problem half solved. Emerson

Comprehensive
Education
Enforcement
Engineering
Emergency Services
Multimodal
Systemwide

Effective Implementation
Leadership, Ownership and Management
Action Plans
Performance Measures
Local Involvement
Partner Responsibilities
Feedback
Updates
Success Factors

- Communication
- Collaboration
- Compromise
- Perseverance
- Creativity

A Collaboration Model

The TSP Working Group - National Working Group

- American Automobile Association
- American Association of State Highway and Transportation Officials
- American Planning Association
- American Public Transportation Association
- American Public Works Association
- Association of Metropolitan Planning Organizations
- Community Transportation Association of America
- FHWA (Safety, Planning, Federal Lands, Resource Center)
- Federal Motor Carrier Safety Administration
- Federal Transit Administration
- Governors Highway Safety Association
- Institute of Transportation Engineers
- National Association of Counties
- National Association of County Engineers
- National Association of Development Organizations
- National Association of Regional Councils
- National Governors Association
- National Highway Traffic Safety Administration
- Transportation Research Board (NCHRP)

Progress Report

- Conferences/Panels/Presentations/Workshops
- Forums
- Awards Program
- Web Sites
- Research – NCHRP 08-44; 17-33, 08-54
- Rural & Small Area Scan
- TMA Peer Exchange

Forums

- Completed
- Interested

- AK
- US/Mexico
Planning It Safe Awards

Award jury included ITE, AASHTO, AAA, APTA.

- NYDOT – Route 9 Pedestrian Safety Study
- SEMCOG – 2025 Regional Transportation Plan
- MARC – First Steps: Safety Planning Initiatives
- Los Angeles MTA – Metro Gold Line


NCHRP 546
Incorporating Safety into Long-Range Transportation Planning

- Guidebook
- Forecasting Tool

www.trb.org

http://www.trb.org/safety/tsp/

http://safety.fhwa.dot.gov/
The Transportation Planning Capacity Building Program
Assisting transportation officials and staff to resolve increasingly complex issues related to transportation needs in their communities

- Clearinghouse
- Publications
- Information
- Training
- Technical Assistance
- Peer Programs

www.planning.dot.gov

The TPCB Peer Program
- Forum for sharing ideas & noteworthy practices.
- Strengthens transportation planning practices.
- Builds relationships & reinforces cooperation between agencies.
- Designed to meet specific needs of a region, State, or locality.

Peer Program Types
- Peer Exchange
- Peer Roundtable
- Peer Workshop

Application and instructions at:
www.planning.dot.gov/peer.asp

Transportation Planning Capacity Building Program
Safety Conscious Planning Peer Exchange
Detroit, MI
May 3 – 5, 2005
Host: Southeast Michigan Council of Governments
Participants:
- Houston-Galveston Area Council (H-GAC)
- Mid-America Regional Council (MARC)
- Delaware Valley Regional Planning Council (DVRPC)
- North Jersey Transportation Planning Authority (NJTPA)
- Michigan Department of Transportation
- Federal Highway Administration
- Michigan Office of Highway Safety Planning
- American Automobile Association
- Traffic Improvement Association

SAFETEA-LU: Highway Safety Improvement Program
Strategic Highway Safety Plans
- Identify State’s key safety needs
- Guide investment decisions
- All public roads

Linking the SHSP with the Transportation Planning Process
- Common goals
- Identifying and bringing together partners
- Awareness of safety issues and challenges
- Consistent plans and programs
- Communication and consultation
The objectives of TSP and SHSP are the same: to bring together all of the appropriate partners to ensure a coordinated effort to improve surface transportation safety.