

# Shelby/Toole County TSAC Meeting

*presented to*

## Shelby/Toole County Transportation Safety Advisory Committee

*presented by*

**Cambridge Systematics, Inc.**

**Sam Lawton and Audrey Wennink**

**October 20, 2010**



Transportation leadership you can trust.



# Agenda

- Introductions
- Establish Goal(s) of the Community Transportation Safety Plan (CTSP)
- Review Data for Potential CTSP Emphasis Areas
- Select CTSP Emphasis Areas
- Discuss Current Efforts to Address Emphasis Areas
- Plan for CTSP Summit
- Next Steps and Schedule

# Current TSAC Membership

- » Larry Bonderud – Mayor
- » Lorette Carter – Community Economic Development Director
- » Bill Moritz – City Superintendent
- » Jim Yeagley – City Planner
- » Robert Bender – Montana Highway Patrol, Shelby Station
- » Sue Smith – Amtrak- Operation Lifesaver
- » Allan Underdal – Toole County Commissioner
- » James Combs – MDT Great Falls
- » Mike Lamey – Toole County Sheriff Office
- » Mark Warila – MDT Shelby Maintenance

# Current TSAC Membership (cont.)

- » Cindy Combs – Disaster Coordinator, Marias Medical Center
- » Joe Rapkoch – Shelby Public Schools
- » Jeanne Keck – Toole County Tavern Association
- » Val Moench – Toole County Road
- » Dave Miller – Toole County Commissioner/Council on Aging
- » Ray Waller – Shelby Development Dept/Transit Supervisor
- » Mark Cole – MMCA/WorkSafe MT
- » Jane Wolf – BNSF
- » Mike McDonald – MDT Maintenance

# TSAC Mission Statement

**To review and provide guidance on the development of the Shelby/Toole County Community Transportation Safety Plan and on-going participation to monitor and provide direction on plan implementation.**

# TSAC Roles and Responsibilities

- Attend committee meetings and the Transportation Safety Summit
- Review available data; identify additional data needs
- Identify Safety Emphasis Areas
- Develop mission statement, goals, and measurable objectives
- Determine strategies and action steps
- Identify lead agencies to facilitate implementation
- Approve and submit final plan to City of Shelby and Toole County for adoption
- Support implementation of the Community Transportation Safety Plan (CTSP)



We are Here

# Objectives of This Meeting

- Establish the goal(s) of the Community Transportation Safety Plan (CTSP)
- Identify the Emphasis Areas of the CTSP
- Plan for the Transportation Safety Summit and next steps for the CTSP effort

# Goal

What do you intend to accomplish through the Shelby/Toole County CTSP?

# CTSP Goals - Sample Approaches

- 20 percent reduction in current severe injuries (fatalities + incapacitating injuries)
- Reduction of a specific number of severe injuries, based on a 10-year average
- Reduction in the severe injury rate
- One death is one too many – zero fatalities
- Reduce fatal and incapacitating injuries by half by 2030 (MT CHSP)

# Examples - Traffic Safety Goals

## Iowa

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*To reduce motor vehicle fatalities to a ten-year annual average of less than 400 deaths by 2015 (45 lives saved per year).*

## Michigan

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*Reduce traffic fatalities from 1,084 in 2007 to 850 in 2012.*

*Reduce serious traffic injuries from 7,485 in 2007 to 5,900 in 2012.*

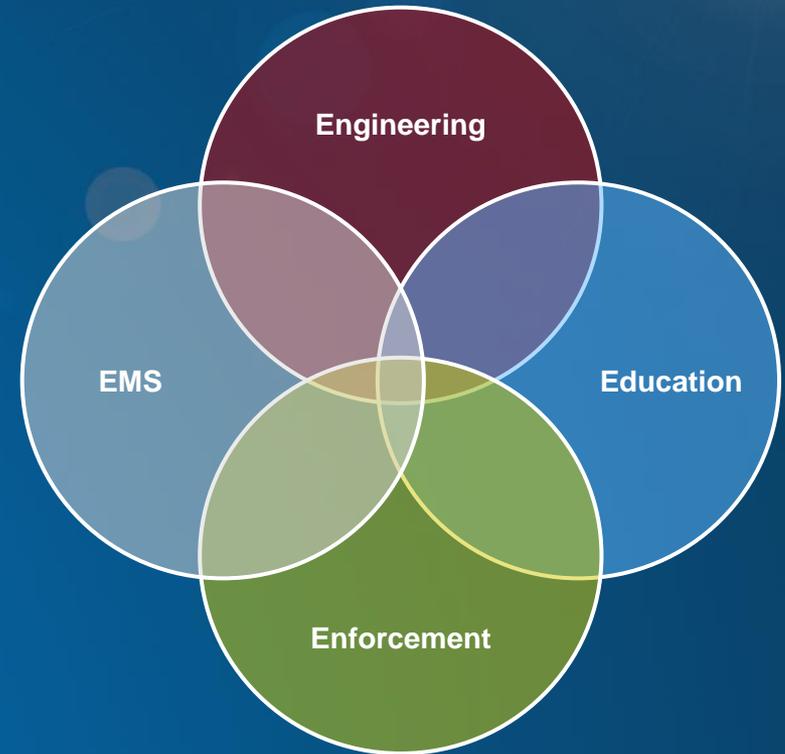
## Cheyenne, WY

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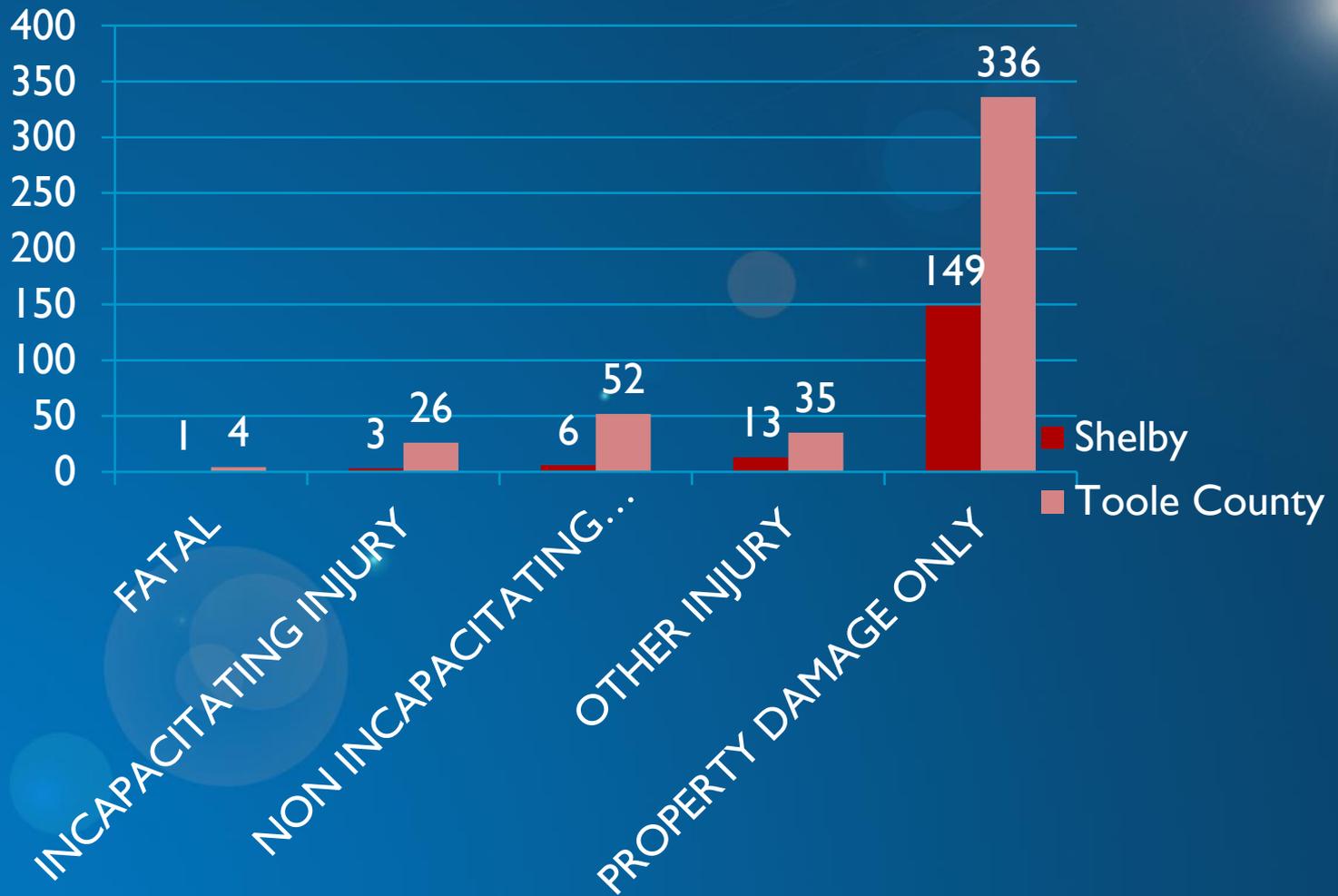
*The goal of the Cheyenne Transportation Safety Management Plan is to reduce fatal and serious injury crashes by 10 percent from 2008 to 2020.*

# Shelby/Toole Co. CTSP Goal

- Consider the 4Es
- How can we maximize resources?
- How can we best work together?



# Crash Severity 2005-2009



# What is an “Emphasis Area?”

- A priority safety issue for Shelby and Toole County based on data and community input
- A safety issue for which resources will be applied with the intention of improving transportation safety and achieving the goal(s) of the Shelby/Toole Co. CTSP
- Emphasis Areas can change over time – to reflect progress and changing conditions or needs
- Emphasis areas are based on data and community input

# Selection of Emphasis Areas

## Consider ...

- **Loss of Life** – What is the extent of loss of life related to this emphasis area?
- **Serious Injuries** – What is the extent of serious injuries related to this emphasis area?
- **Property damage** – What is the extent of property damage related to this emphasis area?
- Where have there been **significant increases** in the last several years?
- Where has the level of fatalities and injuries reached a **plateau**?

# Selection of Emphasis Areas

- **Data Availability** – Are there enough reliable data available to accurately identify, prioritize, and articulate the problem?
- **Impact** – Where can we have the biggest impact? Will strategies in this area significantly reduce the number of fatalities and serious injuries?
- **Cost** – Is the cost to implement effective strategies in this area prohibitive? Do we have the resources needed to address the problem?

# Selection of Emphasis Areas

## ● Feasibility

- » What can we realistically accomplish over the next 3 to 5 years?
- » Are there enough resources and tools?
- » Do we have the necessary technical expertise?
- » Will we have stakeholder support?
- » Will we have public support?

# **Safety Data**

**2000-2009**

# AASHTO's 22 Safety Emphasis Areas

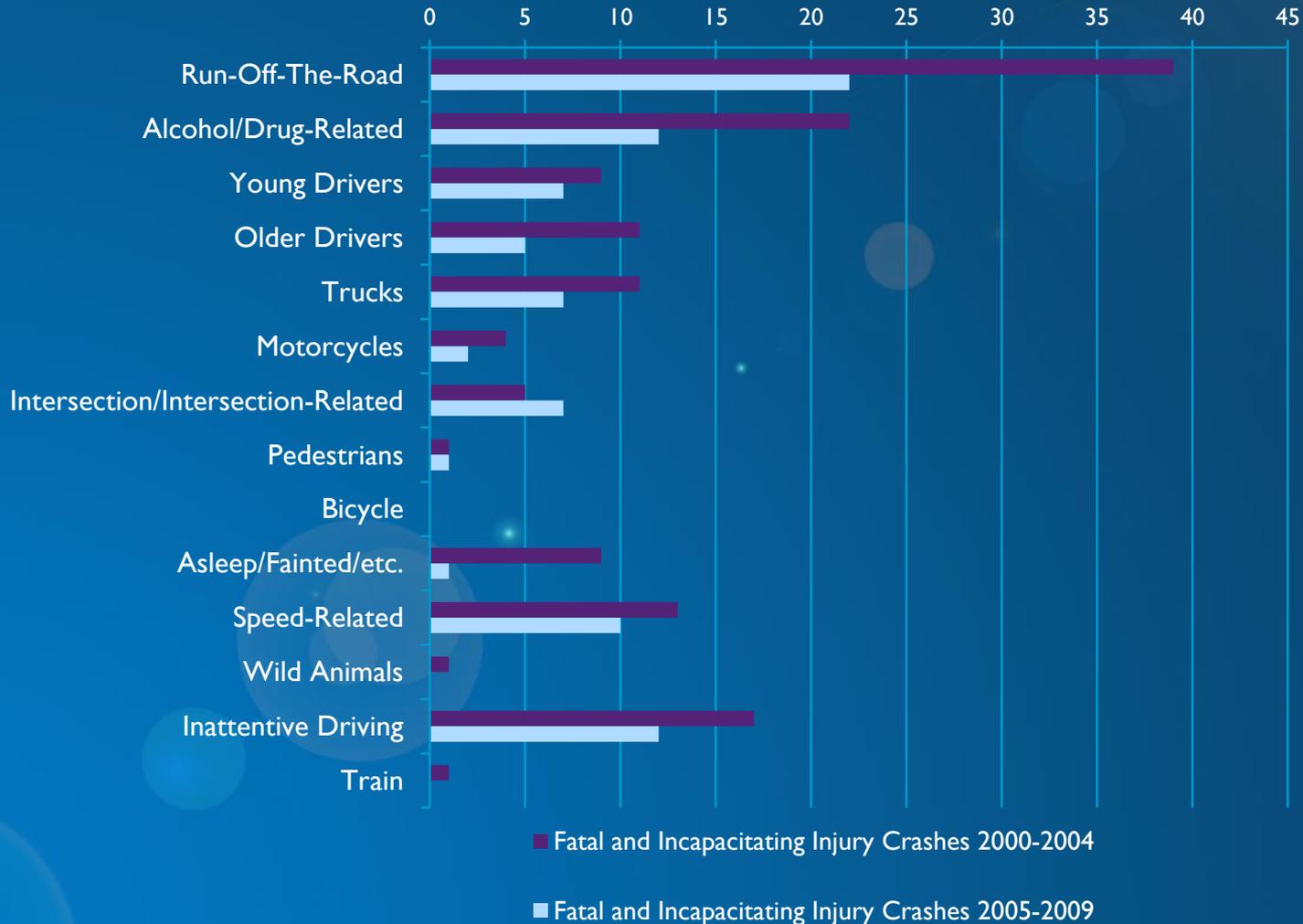
- Young drivers
- Suspended/revoked licenses
- Older drivers
- Aggressive/speeding drivers
- Speeding/driving too fast for conditions
- Reckless driving
- Impaired drivers
- Alcohol impaired
- Drowsy or distracted drivers
- Inattentive
- Fell asleep
- Safety belts

# AASHTO's 22 Safety Emphasis Areas (cont.)

- Pedestrians
- Bicyclists
- Vehicle and train crash
- Motorcyclists
- Heavy trucks
- Safety enhancements in vehicles
- Run-off-the-road
- Intersections
- Work zones
- Survivability of severe crashes

# Potential Shelby/Toole Co. Emphasis Areas

## Toole County Severe (Fatal + Incapacitating) Injury Crashes Associated with Key Emphasis Areas



# Potential Shelby/Toole Co. Emphasis Areas

## Toole County Property Damage Only Crashes Associated with Key Emphasis Areas



# Potential Shelby/Toole Co. Emphasis Areas

Crash-Related Emphasis Areas	2000 – 2004			2005 – 2009		
	Fatal Crashes	Incapac. Injury Crashes	PDO Crashes	Fatal Crashes	Incapac. Injury Crashes	PDO Crashes
Run-Off-The-Road	6	33	120	2	20	124
Alcohol/Drug-Related	5	17	15	2	10	25
Young Drivers	0	9	88	2	5	56
Older Drivers	2	9	58	0	5	38
Trucks	2	9	55	2	5	37
Motorcycles	2	2	1	0	2	1
Intersection/Intersection-Related	1	4	95	1	6	69
Pedestrians	0	1	0	0	1	0
Bicycle	0	0	1	0	0	0
Asleep/Fainted/etc.	1	8	7	0	1	5
Speed-Related	3	10	51	2	8	56
Wild Animals	0	1	66	0	0	53
Inattentive Driving	5	12	87	4	8	75
Train	0	1	1	0	0	0

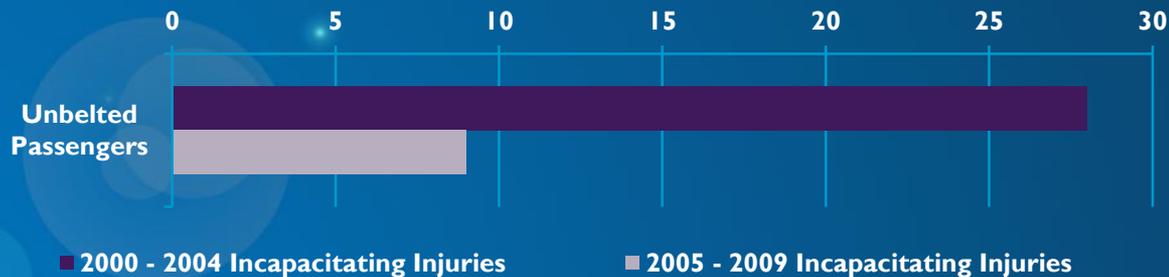
# Potential Shelby/Toole Co. Emphasis Areas

## Toole County Fatalities and Incapacitating Injuries Associated with Key Emphasis Areas

### Toole County Fatalities Associated with Key Emphasis Areas



### Toole County Incapacitating Injuries Associated with No Seat Belt Use



# Potential Shelby/Toole Co. Emphasis Areas

## Toole County Fatalities and Incapacitating Injuries Associated with Key Emphasis Areas

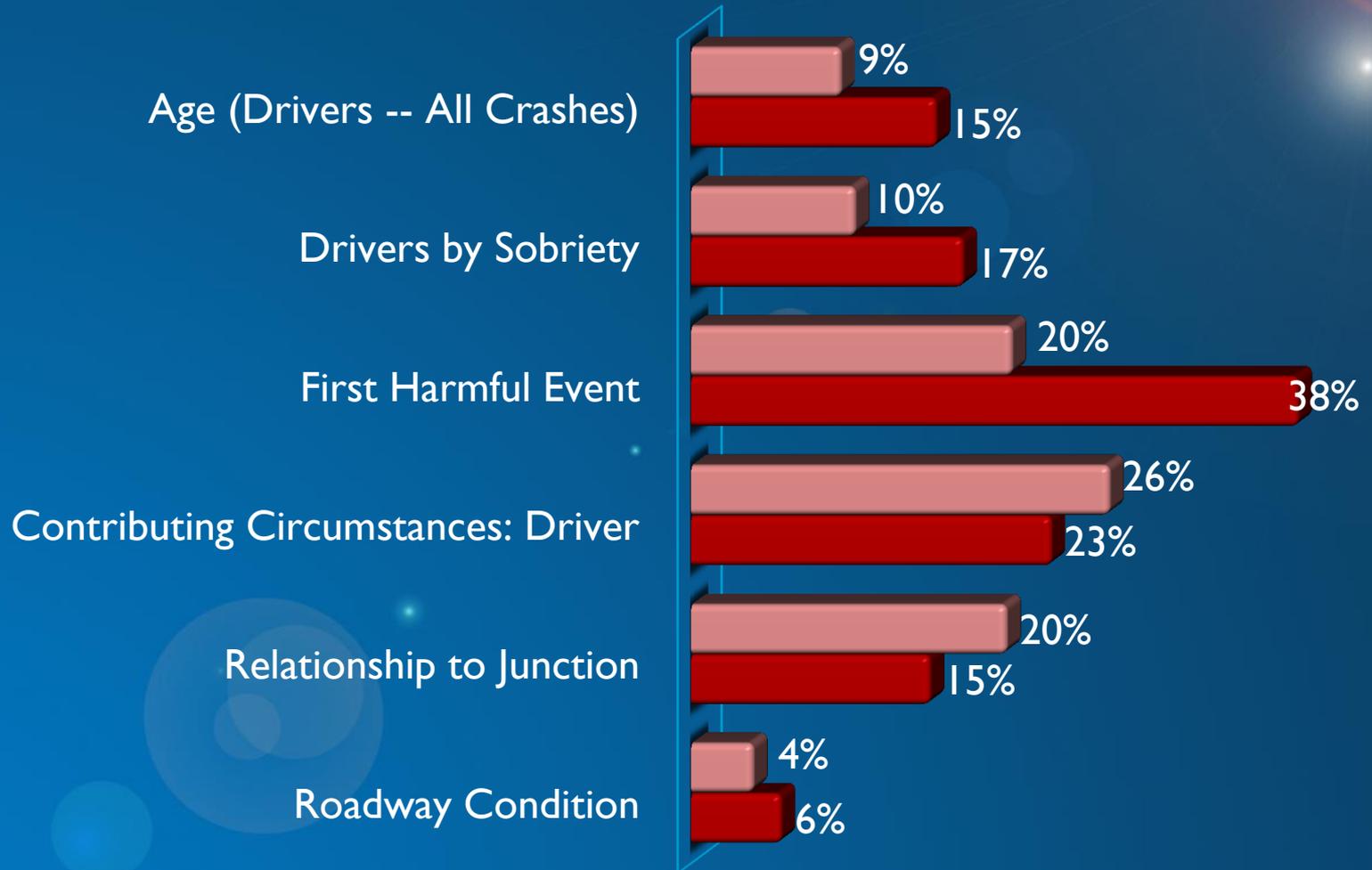
Person-Related Emphasis Areas	2000 - 2004		2005 - 2009	
	Fatalities	Incapac. Injuries	Fatalities	Incapac. Injuries
Unbelted Passengers	8	28	3	9
Native Americans	2	Unknown	0	Unknown

# Potential Shelby/Toole Co. Emphasis Areas

Also consider:

- Emergency Medical Services
- Crash Reporting and Data Management
- Unlicensed Drivers and Suspended Licenses (data not available at this time)

# Data Availability – All Crashes



■ Unreported/Other MT

■ Unreported/Other Toole

# Open Discussion of Emphasis Area Activities and Programs

- What efforts are currently being undertaken at the local and state levels to address these problems?
- Who are the key leaders and stakeholders?
- Can we identify any obvious gaps in these efforts?

# Summit - Role of the TSAC

- Lead the emphasis area planning effort - Take responsibility for marshalling whatever resources are necessary to implement emphasis area strategies
- Identify potential members for Emphasis Area teams and invite others to participate
- Ensure teams includes representatives from
  - » Enforcement
  - » Emergency response
  - » Education
  - » Engineering

# Summit/ Role of the Emphasis Area Facilitators

- Keep the group focused and *ask the tough questions*:
  - » Data
    - Is there enough reliable data to accurately identify, prioritize, and articulate the problem?
  - » Current Plans/Programs/Strategies
    - What are we already doing to impact the problem?
    - How can we improve on what is already being done to get better results?
    - Do we have any gaps in our existing programs?

# Summit/ Role of the Emphasis Area Facilitators

- Guide strategy evaluation and selection:
  - » Impact: Will the strategy significantly reduce the number of fatalities and serious injuries?
  - » Cost: Is the cost prohibitive? Will the investment impact safety? Are there funding sources to pursue?
  - » Feasibility: Who owns the issue? Do we have the resources and tools? Will the public support the action?

# Next Steps

- Traffic Safety Advisory Committee
  - » Identify potential Summit attendees
  - » Consider ways to publicize Summit
  - » Provide suggestions on data needs
- Project Management and Consultant Team
  - » Distribute summary notes from today's meeting
  - » Prepare for Summit

# Key Dates

- Summit: ???
- Next Advisory Committee Meeting: ???
- Plan Completion: ???



Never doubt that a small  
group of thoughtful  
committed people can  
change the world; indeed,  
it's the only thing that ever  
has.

— *Margaret Mead*  
*Cultural Anthropologist*

