

# Butte-Silver Bow TSAC Meeting

*presented to*

## Butte-Silver Bow Transportation Safety Advisory Committee

*presented by*

**Cambridge Systematics, Inc.**

**Audrey Wennink**

**March 21, 2012**



Transportation leadership you can trust.



# Agenda

- **Welcome and Introductions**
- **Community Transportation Safety Planning (CTSP) Process Overview**
- **Transportation Safety Advisory Committee (TSAC) Role & Responsibilities**
- **TSAC Membership Discussion**
- **Butte-Silver Bow Crash Data Overview**
- **Community Safety Issues Discussion**
- **Questions and Open Discussion**

# MT Comprehensive Highway Safety Plan

- Urban Areas are an emphasis area
- Addresses issues at all levels of jurisdiction, especially local and Tribal

## Montana Comprehensive Highway Safety Plan

Amended 2010



### State of Montana Department of Transportation



*in cooperation with:*

Federal Highway Administration  
National Highway Traffic Safety Administration  
Blackfeet Tribe  
Confederated Salish and Kootenai Tribes  
Crow Tribe  
Chippewa Cree Tribe  
Little Shell Tribe  
Northern Cheyenne Tribe  
Fort Peck Tribes  
Montana Highway Patrol  
Montana Motor Vehicle Division  
Montana Office of Public Instruction  
Montana Department of Justice  
Montana Department of Revenue  
Office of the Court Administrator  
Federal Motor Carrier Administration  
Montana Metropolitan Planning Organizations  
Montana Department of Public Health and Human Services

*prepared by:*

**Cambridge Systematics, Inc.**

# Project Team

- Montana Department of Transportation
  - » Carol Strizich
  - » Pam Langve-Davis
- Consultant Team from Cambridge Systematics, Inc.
  - » Audrey Wennink – Senior Analyst
  - » Sam Lawton – Project Manager



# Purpose of Transportation Safety Plan

The Butte-Silver Bow community is seeking a multimodal Community Transportation Safety Plan that will document the area's transportation safety issues and identify a comprehensive set of strategies to improve safety by reducing the number and severity of traffic crashes.

# Plan Development Process

- Establish TSAC
- Collect and review data
- Establish Goals and Objectives
- Identify Safety Emphasis Areas
- Identify strategies to address emphasis areas
- Define performance measures and means of monitoring progress
- Assign implementation responsibilities
- Review and finalize plan

# Work Plan and Timeline (proposed)

<b>Kickoff Meeting</b>	<b>March 21, 2012</b>
<b>Select Emphasis Areas</b>	<b>April</b>
<b>Identify Current Strategies</b>	<b>May</b>
<b>Safety Summit</b>	<b>June</b>
<b>Draft Plan</b>	<b>July</b>
<b>Final Plan</b>	<b>August</b>



# Transportation Safety Advisory Committee (TSAC)

## TSAC Draft Mission Statement

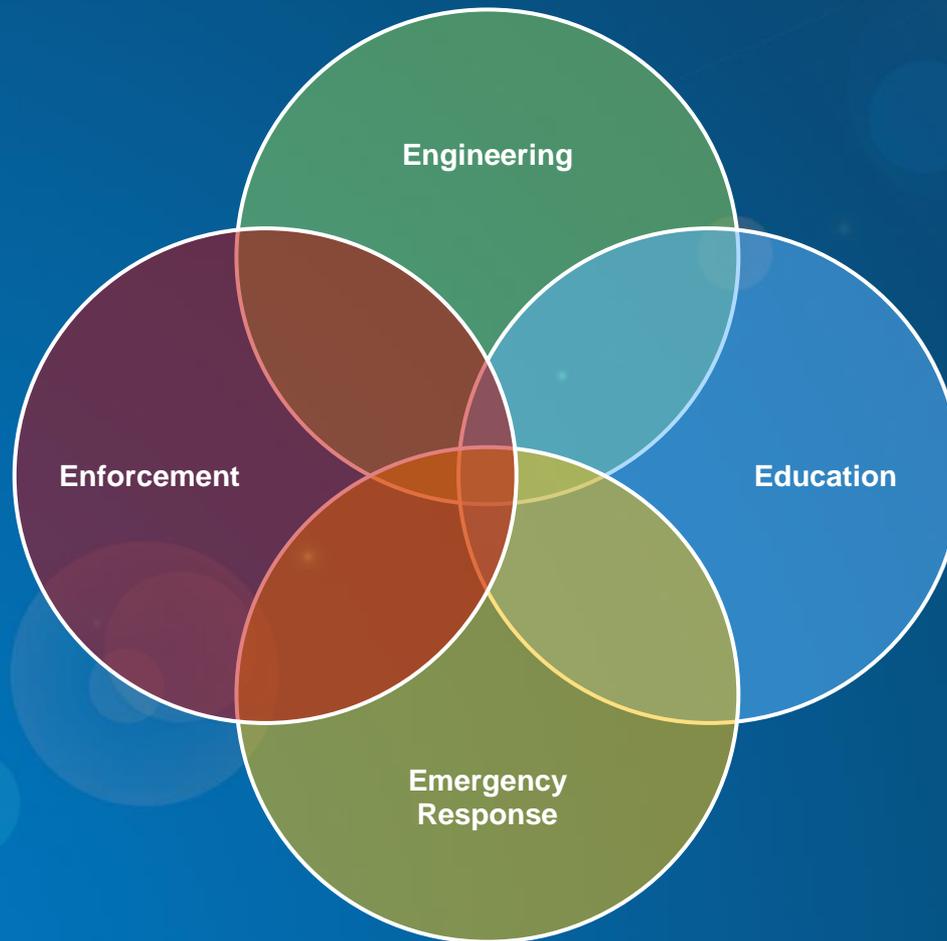
To provide guidance on the development of the Community Safety Transportation Plan and participate in and provide direction on plan implementation.



# TSAC Roles and Responsibilities

- Attend committee meetings and the Transportation Safety Summit
- Review available data; identify data needs
- Determine priority safety emphasis areas
- Develop mission statement, goals, and measurable objectives
- Review and finalize strategies and action steps
- Identify lead agencies, organizations, and individuals to facilitate implementation
- Approve and submit final plan to City and County of Butte-Silver Bow for adoption
- Support implementation of the Community Transportation Safety Plan

# “The 4 E’s of Safety”



# Potential TSAC Membership

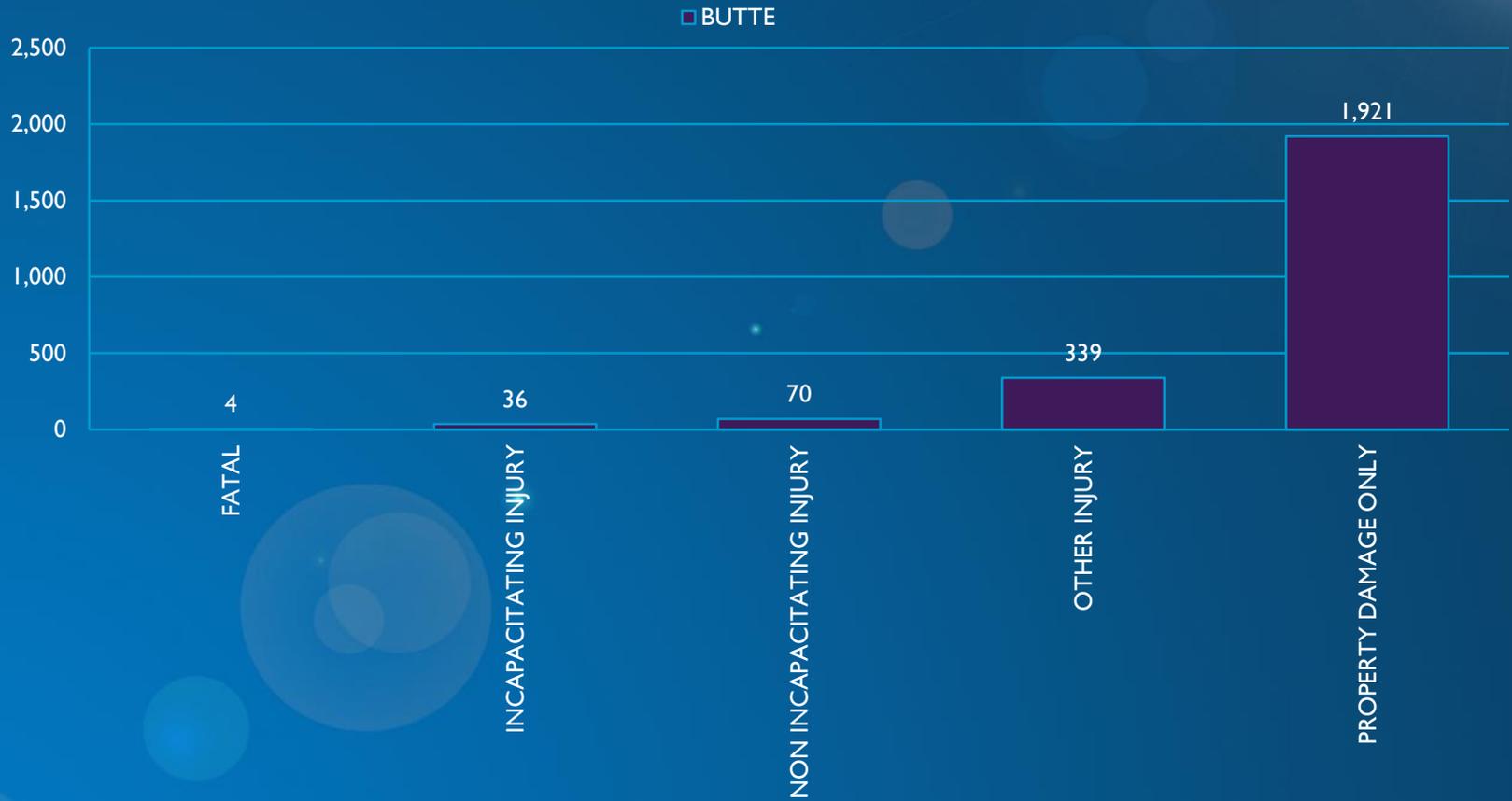
- Butte-Silver Bow Emergency Management Agency
- Montana Highway Patrol, District III
- Public Works
- Transit Division
- Planning
- Sheriff
- St. James Healthcare
- Health Department
- School District
- Safe Routes to School
- Fire Department
- DUI Task Force
- MDT, Traffic Engineering
- Area Agency on Aging
- Business Development Center, Development Disability
- A-I Ambulance Services



# **Safety Data**

**2006-2010**

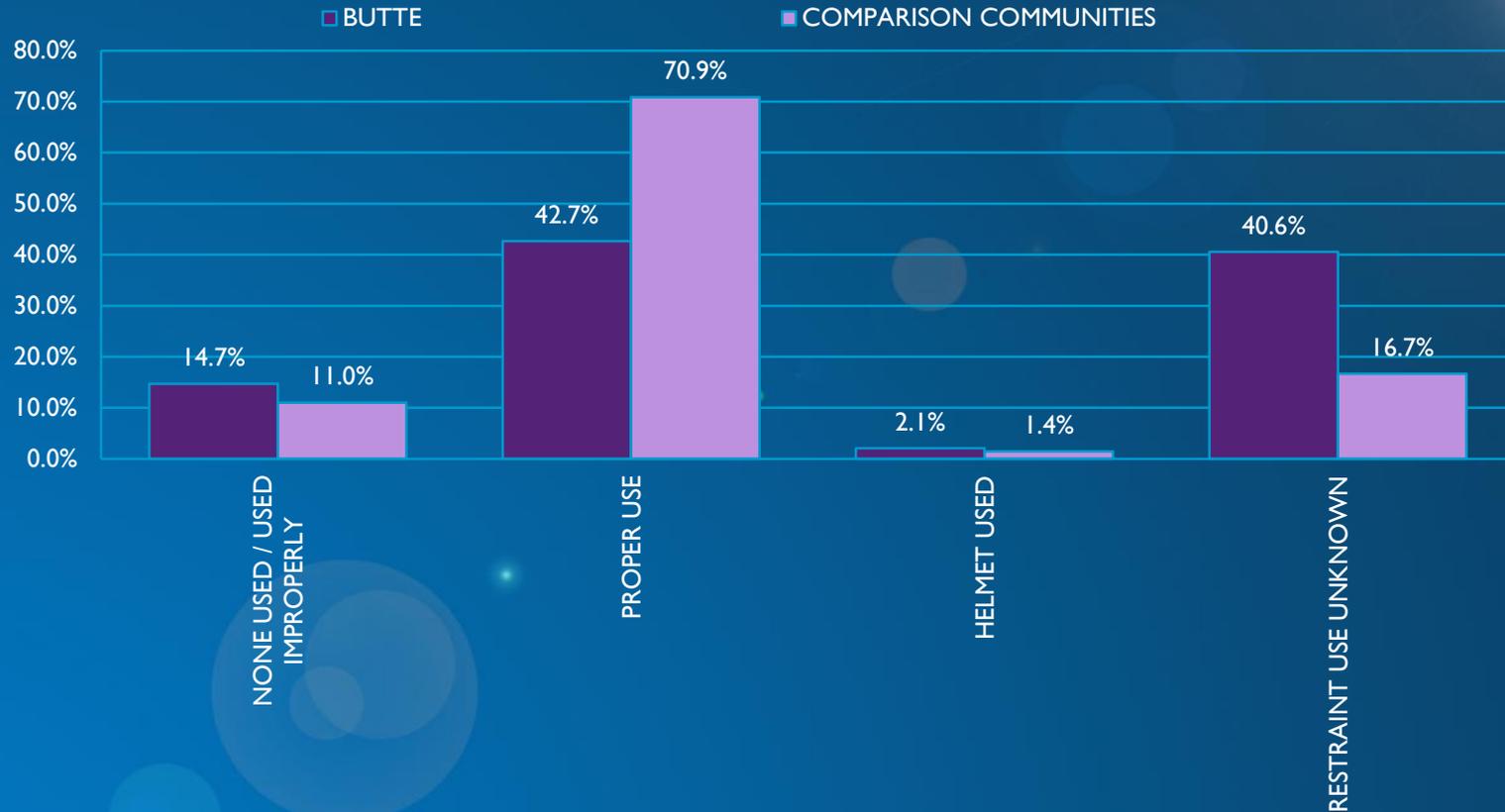
# Crash Severity (2006-2010)



Source: MDT-Safety Management System, 2012

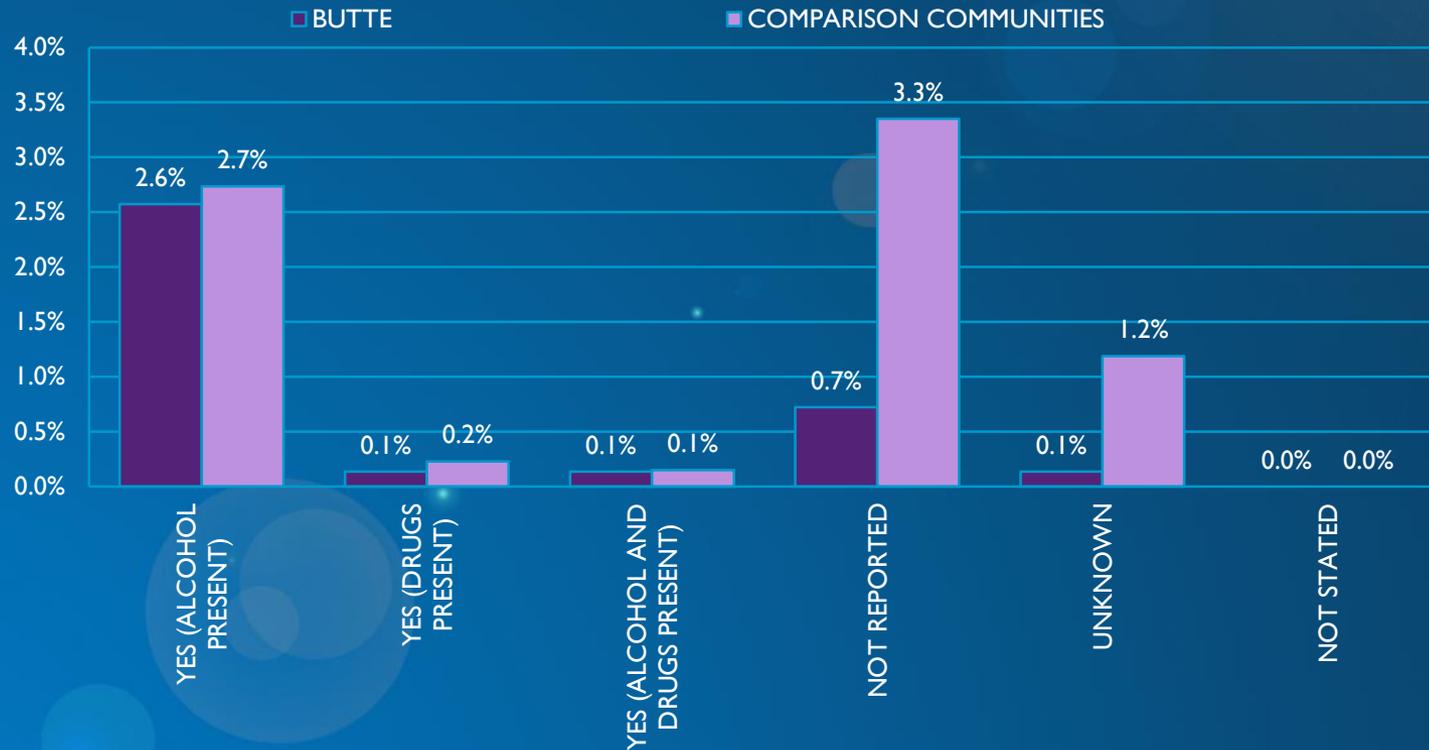
# Behavior

# Injuries by Safety Device Used (2006-2010)



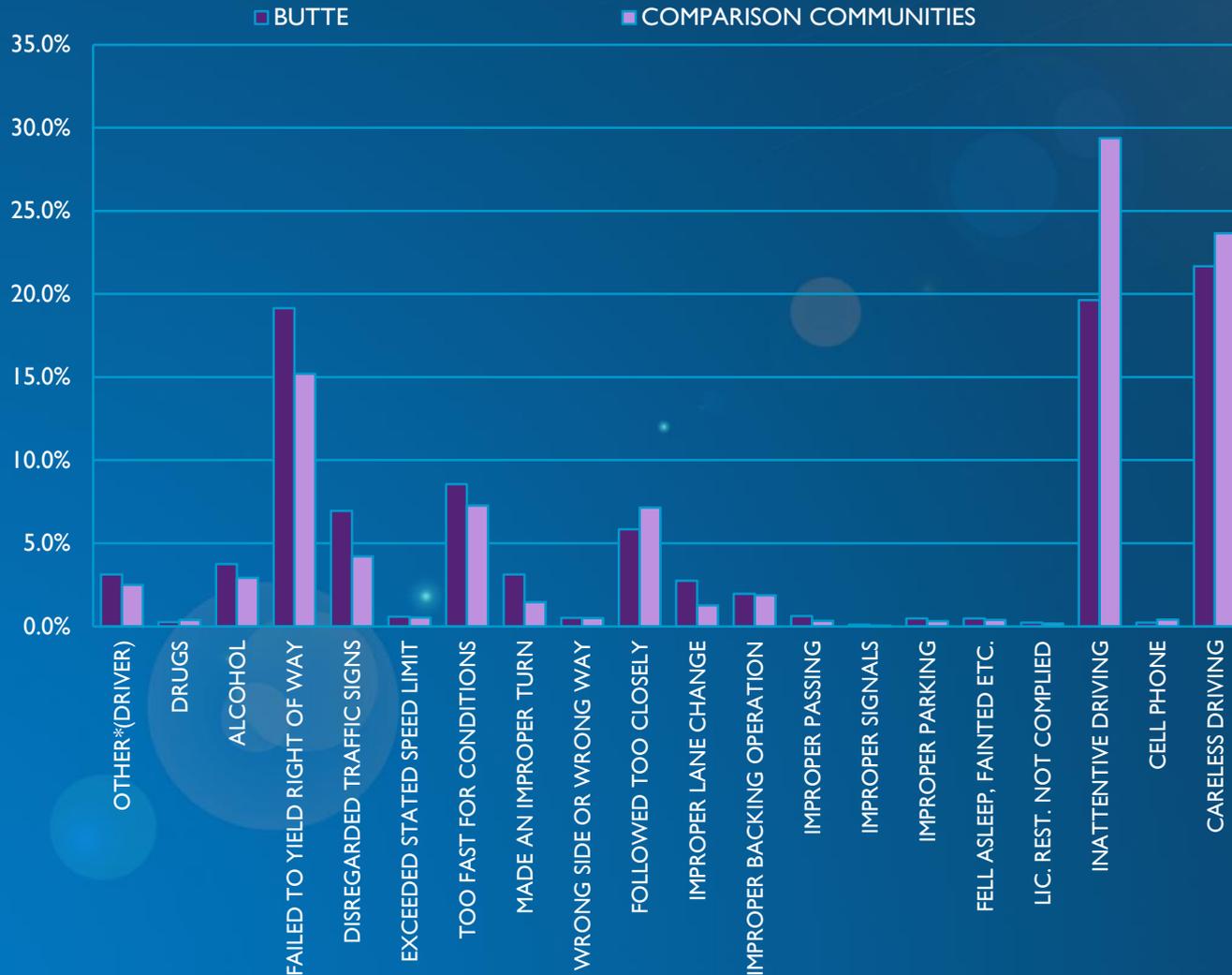
Source: MDT-Safety Management System, 2012

# Drivers by Impairment – All Crashes 2006-2010



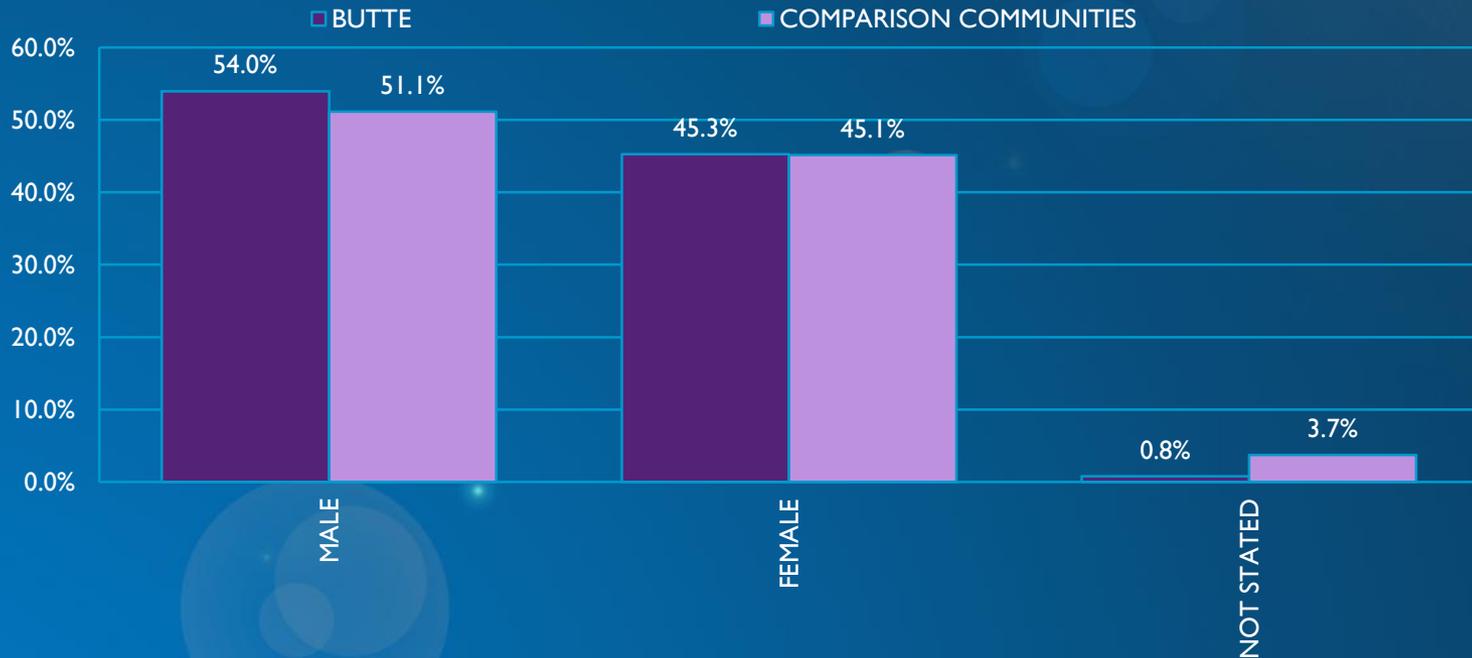
Source: MDT-Safety Management System, 2012

# Driver Contributing Circumstances All Crashes – 2006-2010



# Demographics

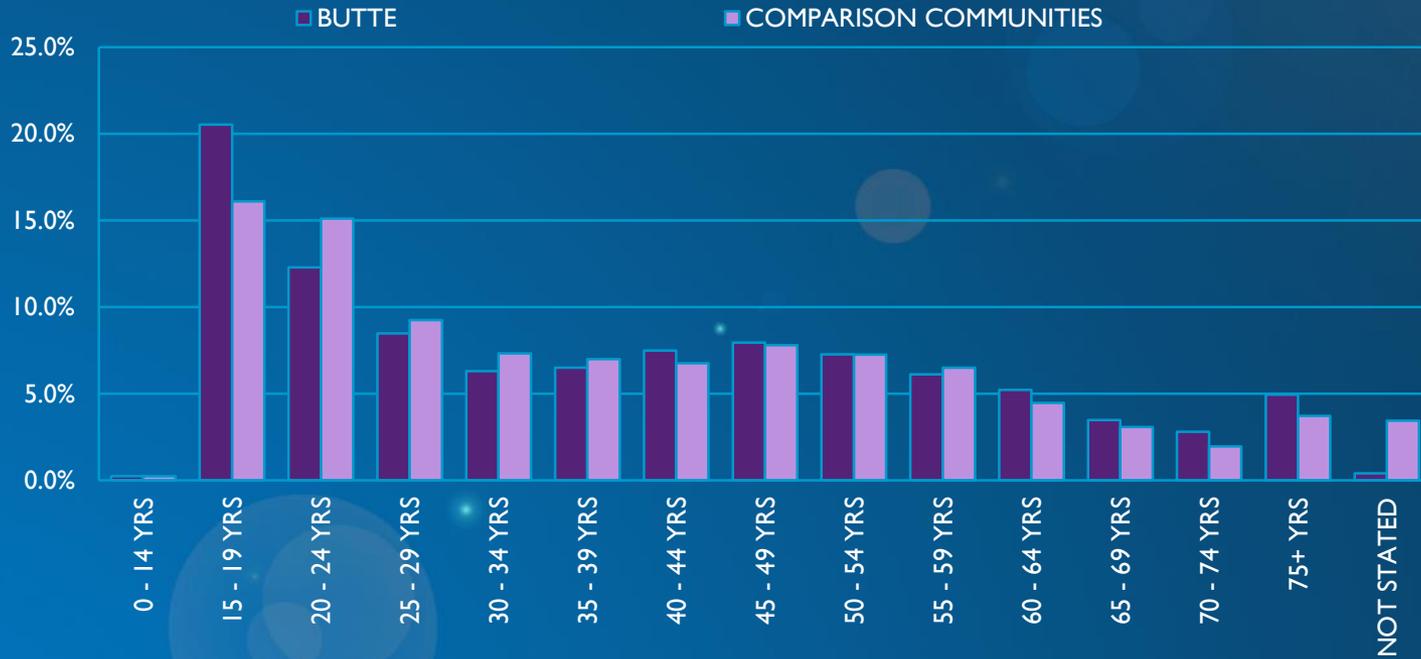
# Drivers by Gender – All Crashes 2006-2010



Source: MDT-Safety Management System, 2012

# Drivers by Age - All Crashes

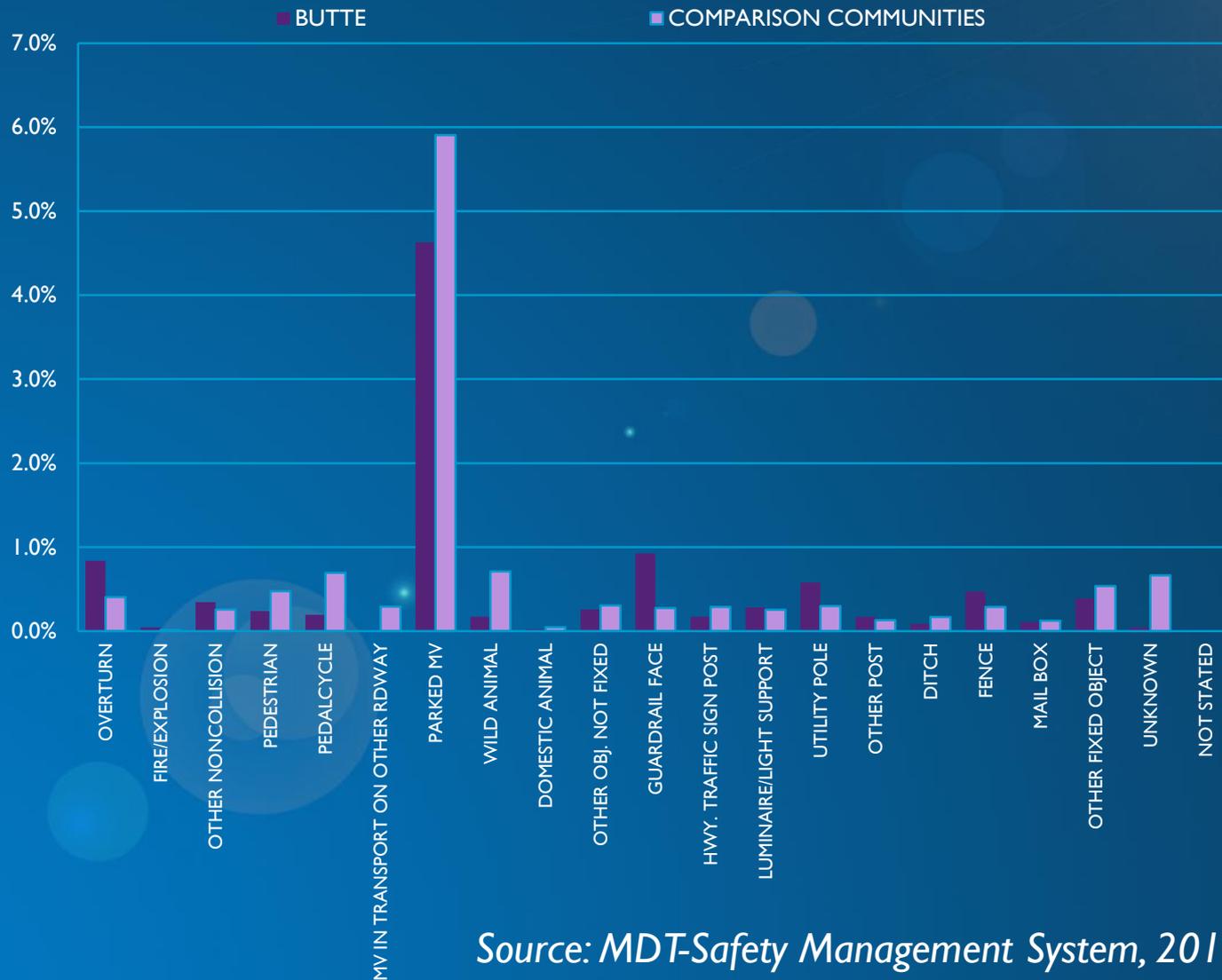
## 2006-2010



Source: MDT-Safety Management System, 2012

# Crash Type

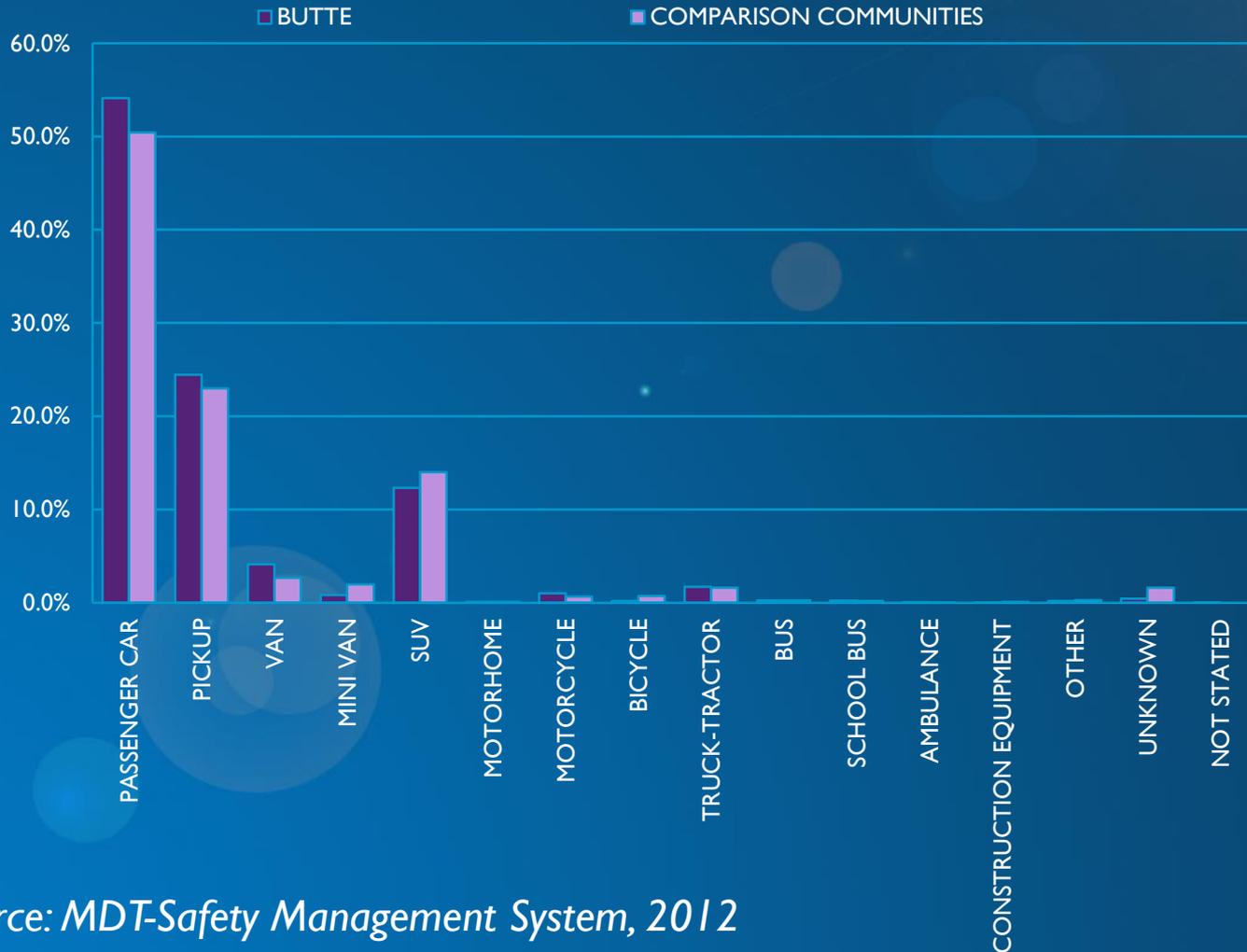
# All Vehicles in a Crash by First Harmful Event 2006-2010



Source: MDT-Safety Management System, 2012

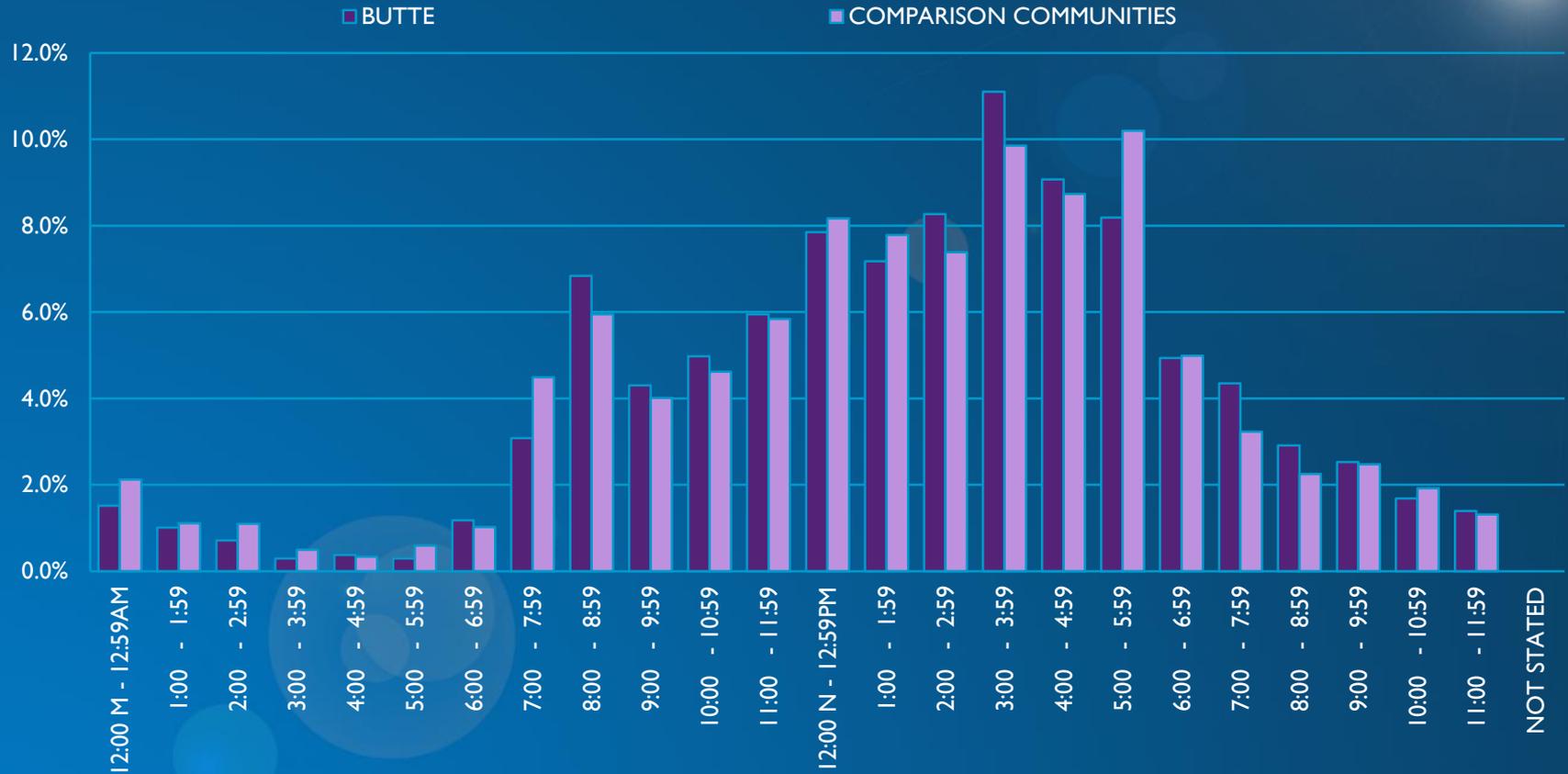
# Other Factors

# Vehicle Type – All Crashes 2006-2010



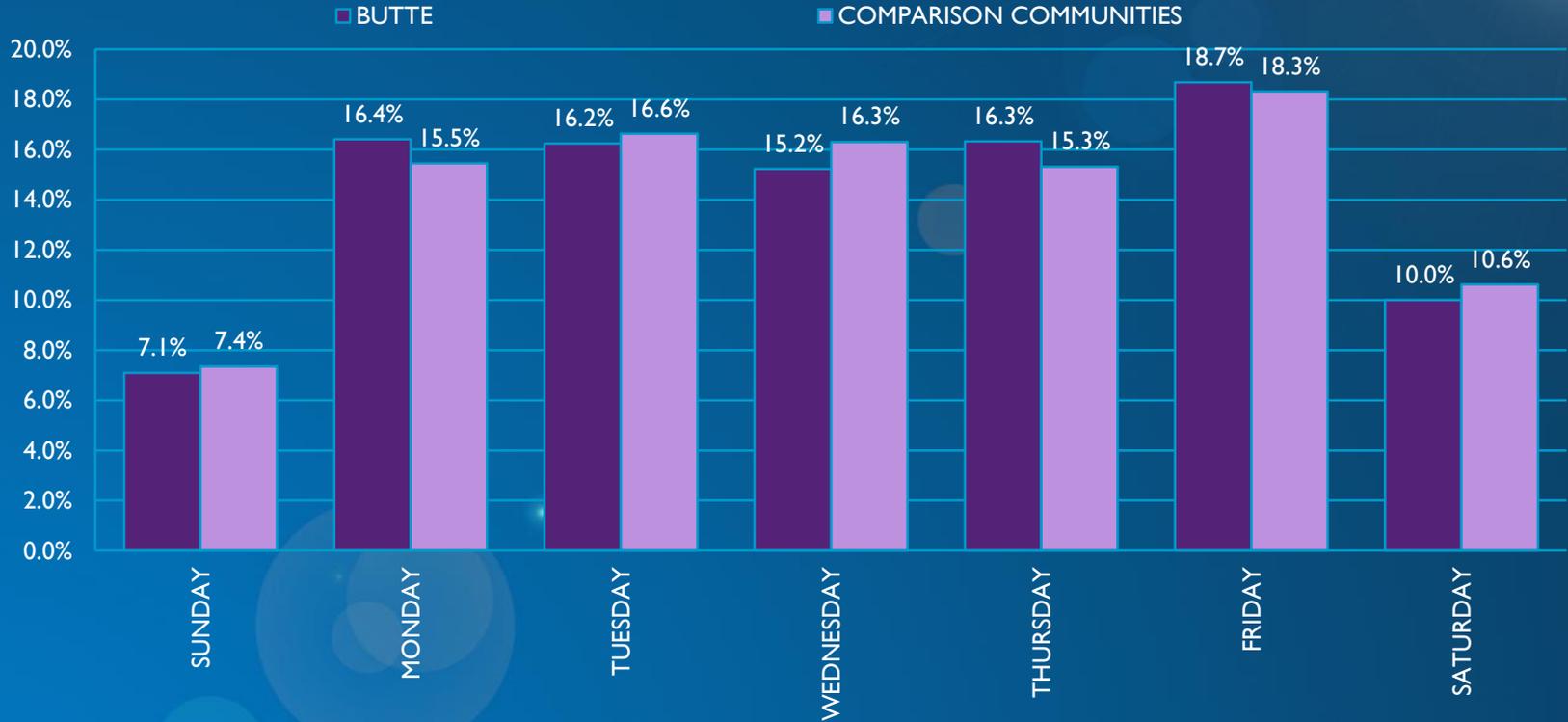
Source: MDT-Safety Management System, 2012

# Crashes by Time of Day 2006-2010



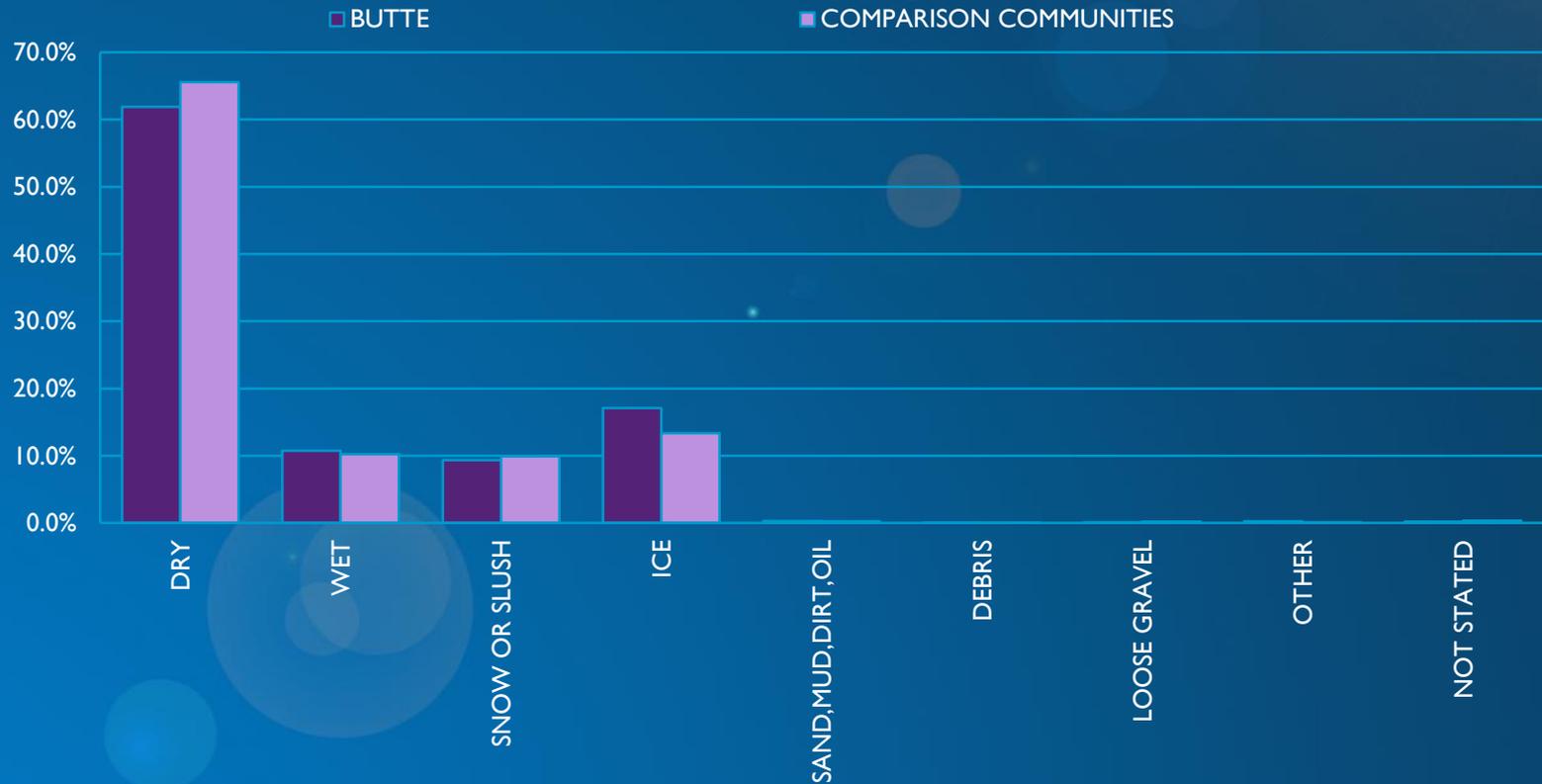
Source: MDT-Safety Management System, 2012

# Crashes by Day of Week 2006-2010



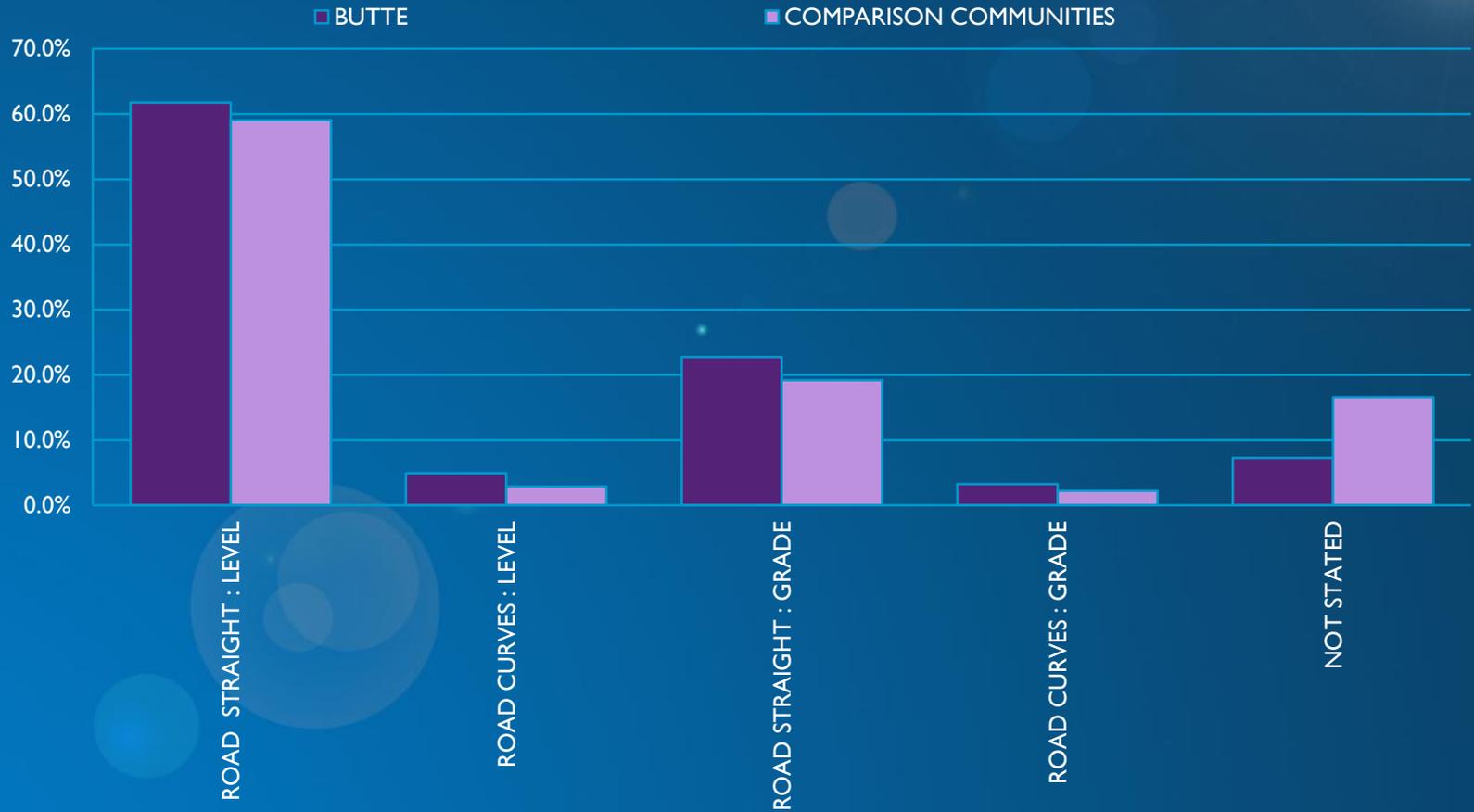
Source: MDT-Safety Management System, 2012

# Crashes by Road Condition 2006-2010



Source: MDT-Safety Management System, 2012

# Crashes by Grade/Horizontal Alignment 2006-2010



Source: MDT-Safety Management System, 2012

# Key Issues-Potential Emphasis Areas

- Young Drivers
- Safety Belt Use
- Inattentive/Careless
- Others?

# Next Steps

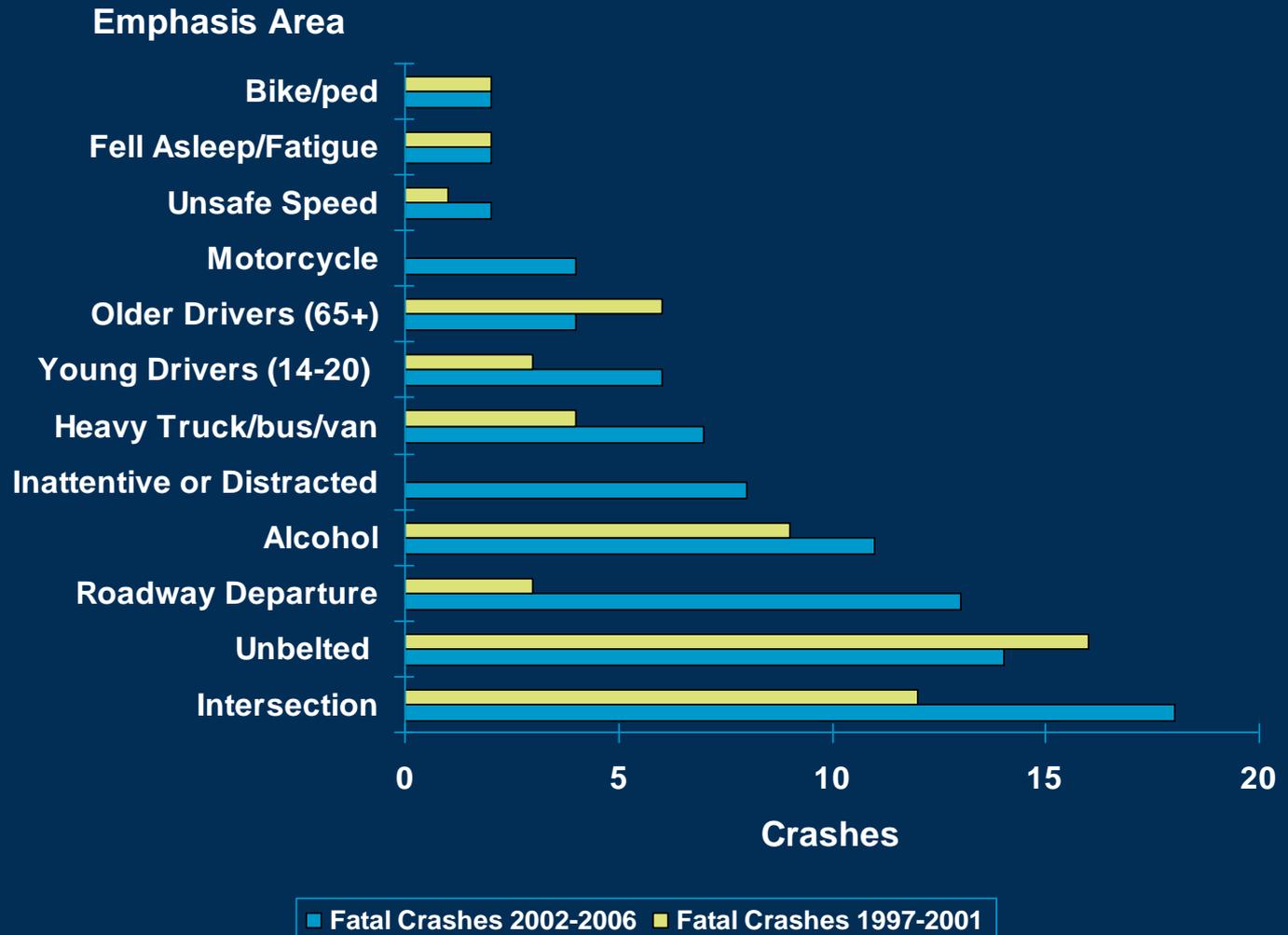
# Next TSAC Meeting

- Establish safety goal
- Additional data analysis
- Determine Emphasis Areas for Plan

# Example: Potential Cheyenne Emphasis Areas

## Fatal Crashes

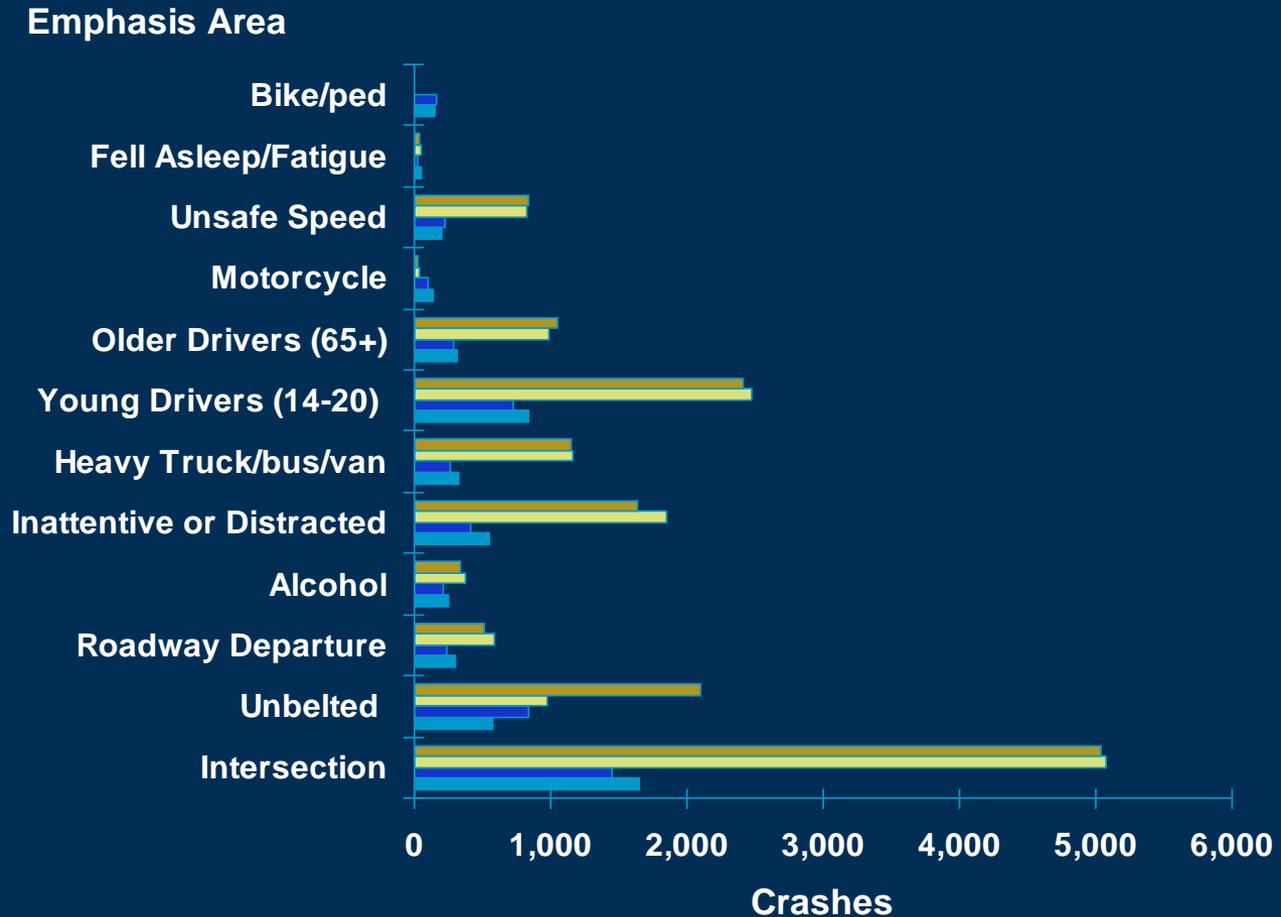
### Fatal Crashes by Emphasis Area



# Example: Potential Cheyenne Emphasis Areas Injury and Property Damage Only Crashes

## Injury and PDO Crashes by Emphasis Area

Note: Unbelted includes injured occupants in injury crashes only; non-injured occupant in PDO crashes only.



■ Injury Crashes 2002-2006 ■ Injury Crashes 1997-2001 ■ PDO Crashes 2002-2006 ■ PDO Crashes 1997-2001

# Mission for Community Transportation Safety Plan

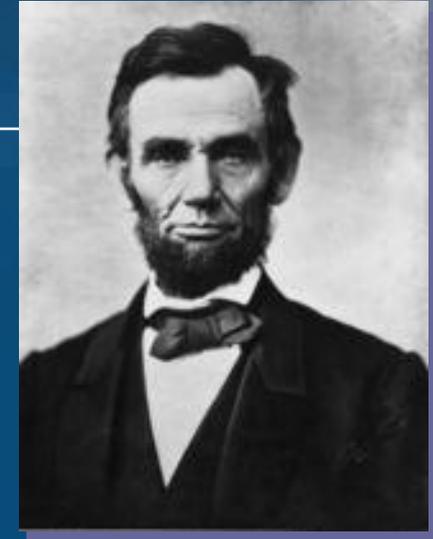
## Mission

Where do you want to be in the future and how do you intend to get there?

# SHSP Mission Statement Examples

## Illinois-Process

*Develop, implement, and manage an integrated multi-stakeholder process to improve the attributes of roads, users, and vehicles to reduce traffic-related deaths and life-altering injuries in Illinois.*



## Michigan-Collaboration

*Provide leadership to improve traffic safety by fostering communication, coordination, and collaboration among government and other public and private entities in Michigan.*



# Butte-Silver Bow Community Safety Plan Mission

Develop during meeting

# Goal

What do you intend to accomplish through the Butte-Silver Bow 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 5-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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*Reduce fatal and serious injury crashes by 10 percent from 2008 to 2020 (Reduction of 3.5 fatal and serious injury crashes per year)*

# Next Steps

- Select dates/locations for next two meetings
  - » Develop agenda and materials
- Select potential dates/location for Safety Summit
- Homework:
  - » What are Butte-Silver Bow's most significant transportation safety issues?
  - » What programs are currently in place?
  - » What more should or could be done?

# Open Discussion