Huntsville Regional Coalition

Planning Meeting

April 30, 2015

CAMBRIDGE SYSTEMATICS

Agenda

- Welcome & Introductions
- Project Purpose & Need
- Overview: AL SHSP Update & Regional Safety Action Plan Development Process
- Key Stakeholders
- Huntsville's Safety Challenges
- Data Presentation
- Action Items & Next Steps

Introductions

- Name
- Agency/Organization
- In your opinion, how can road safety be improved in the Huntsville region?

Purpose & Need – MAP 21

- Update SHSPs every five years
- Consider additional safety factors (e.g. RSA findings, rural roads, bicyclists and pedestrians, etc.)
- Include state's definition of High Risk Rural Roads
- Include strategies to address older driver and pedestrian safety, if fatalities and serious injuries to older drivers and pedestrians have increased
- Evaluate their SHSP on a regular basis

SHSP Features

- Consultative with Multidisciplinary Groups/Agencies
- Coordinated
- Data Driven Problem Identification
- A Performance Based Approach
- Use of Proven Effective Strategies and Countermeasure
- Addressing 4 Es When Determining Highway Safety Strategies

Benefits – Join the Journey!!

- Safer Roads and Streets
- Increased Public Support
- Access to Data and Expertise
- Potential Funding Eligibility
- Capacity Building
- Networking
- And, More!

AL SHSP Update & Regional Safety Plan Development Process

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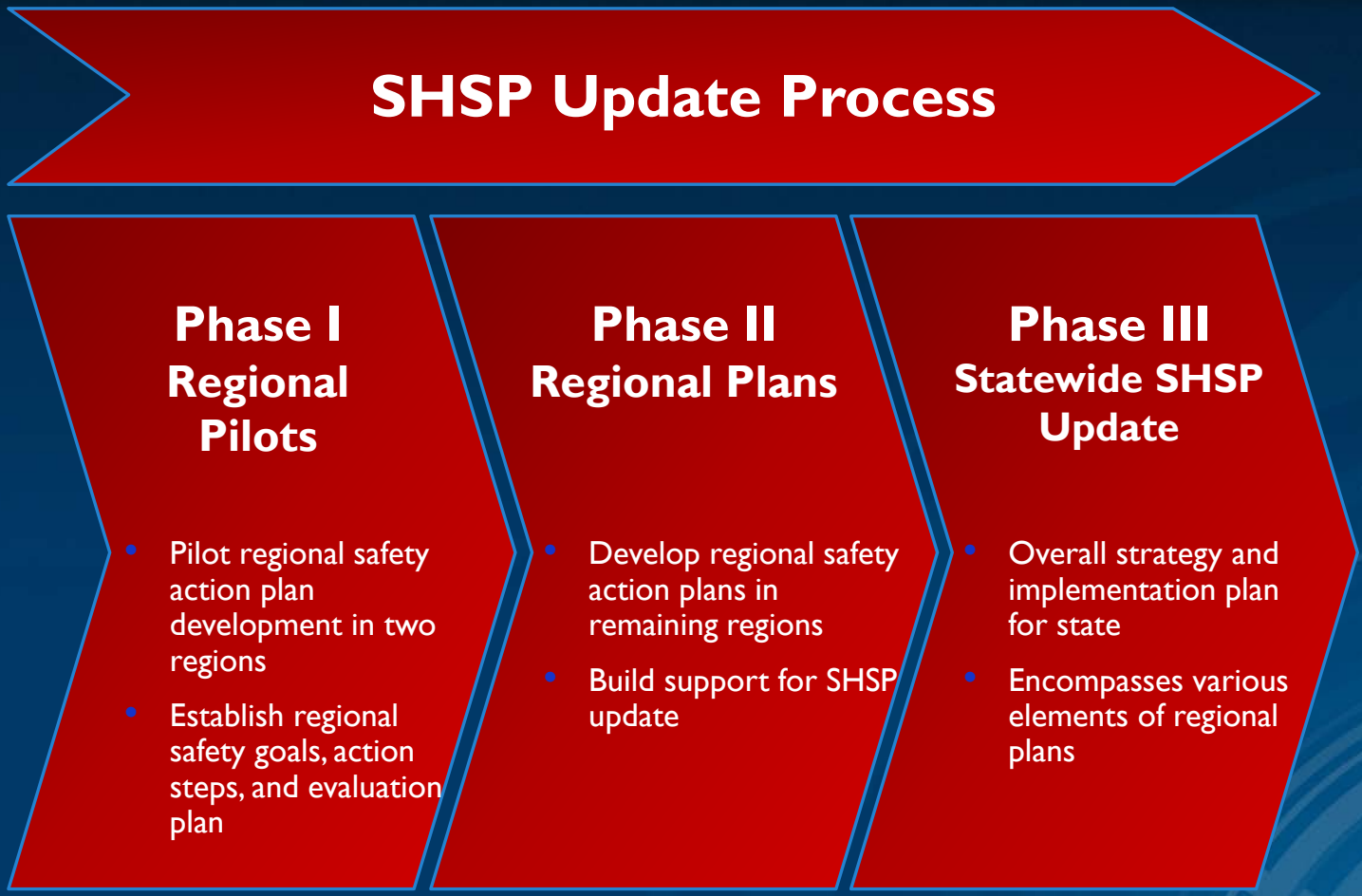
SHSP Update Process



Regional Safety Plan Development Process

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Key Stakeholders

Safety Stakeholders

- **E**nforcement
  - » State and local police
- **E**mergency Response
  - » Hospital staff, EMTs, nurses, doctors, administrators
- **E**ducators
  - » Teachers, student advisory groups, highway safety offices, enforcement, DOT
- **E**ngineers
  - » State DOT, MPO, City Public Works

4 Es

Who's Missing?

- Public Health
- Employers and Businesses
- Schools
- "Movers and Shakers" in the Region

Huntsville's Safety Challenges

Questions for Consideration

- In what specific area/mode/population is transportation safety a concern?
- What transportation safety concerns have been raised by the public?
- What are your ideas for safety solutions?

Short-Term Safety Planning Tool Overview

1. Develop Benchmarks

- Evaluate MAP-21 Performance Measures: Number and rate of fatalities & serious injuries
- Evaluate Additional MPO Performance Measures (e.g., pedestrian and bicycle fatalities)

2. Evaluate Crash Trends and Characteristics

- Who: Driver Age, Gender
- What: Number and Type of Vehicles Involved
- Where: Crash Distribution by TAZ, Urban/Rural Geography, Route type, or Intersections
- When: Year, Month, Day, Hour
- Why: Behavioral and Environmental Factors

3. Identify and Evaluate Focus Crash Types

- Manner of Collision: Rear-End, Run off Road, Angle, Sideswipe, Head-On, Pedestrian, Bicycle, etc.
- Selection of Focus Crash Types
- Geographic Distribution of Focus Crash Type
- Evaluation of Risk Factors

4. Identify and Implement Countermeasures

- Identify appropriate countermeasures for focus crash types
- Identify potential locations for implementation of countermeasures
- Work with engineering staff to implement countermeasures

Overview of Long-Range Safety Planning

1. Identify Long-Range Planning Scenarios

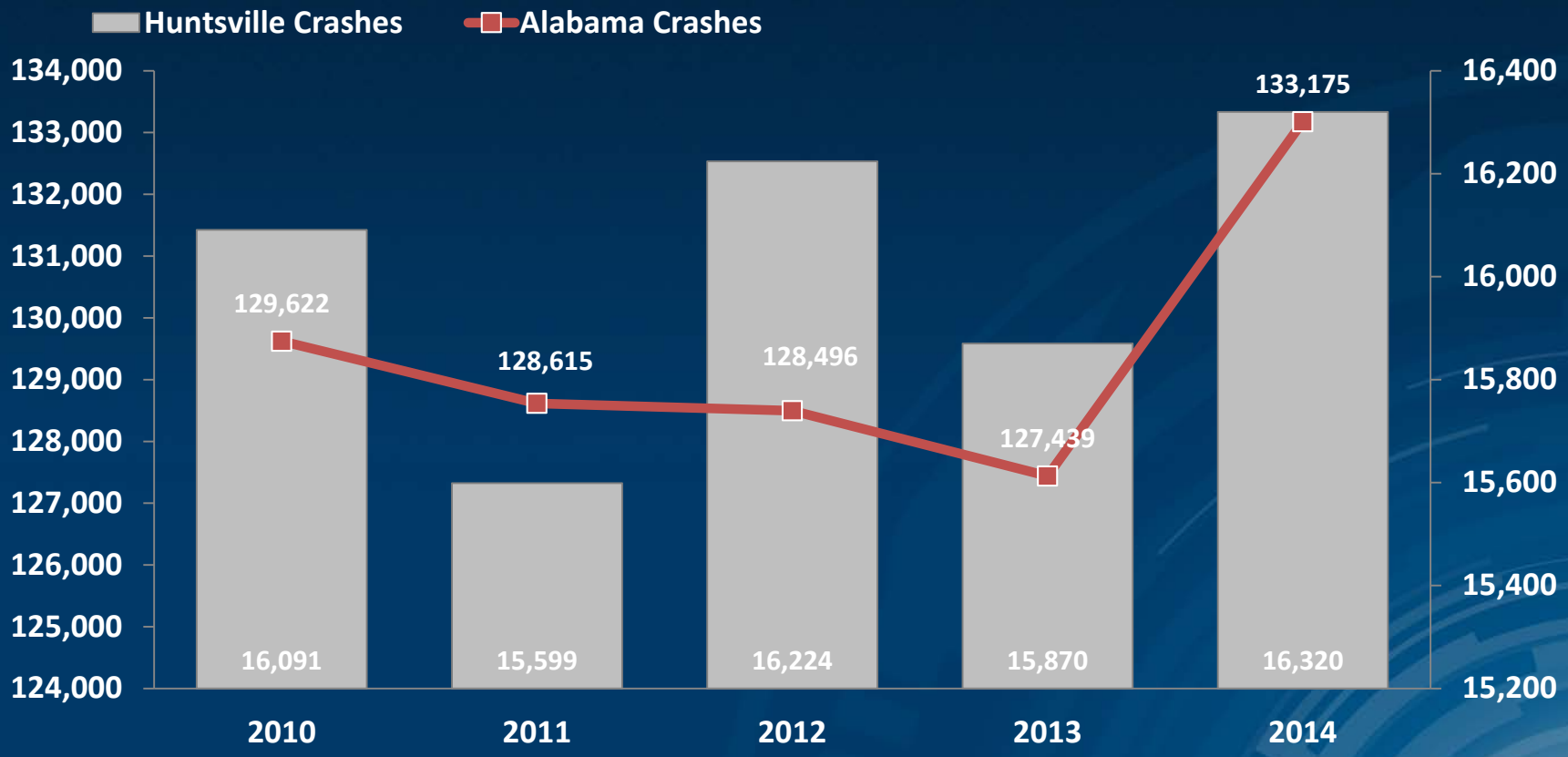
2. Use Formulas to Predict Crash Impacts of Alternatives

3. Evaluate Alternatives

4. Prioritize and Implement Projects

Data Presentation

Statewide and Huntsville Crashes
2010-2014



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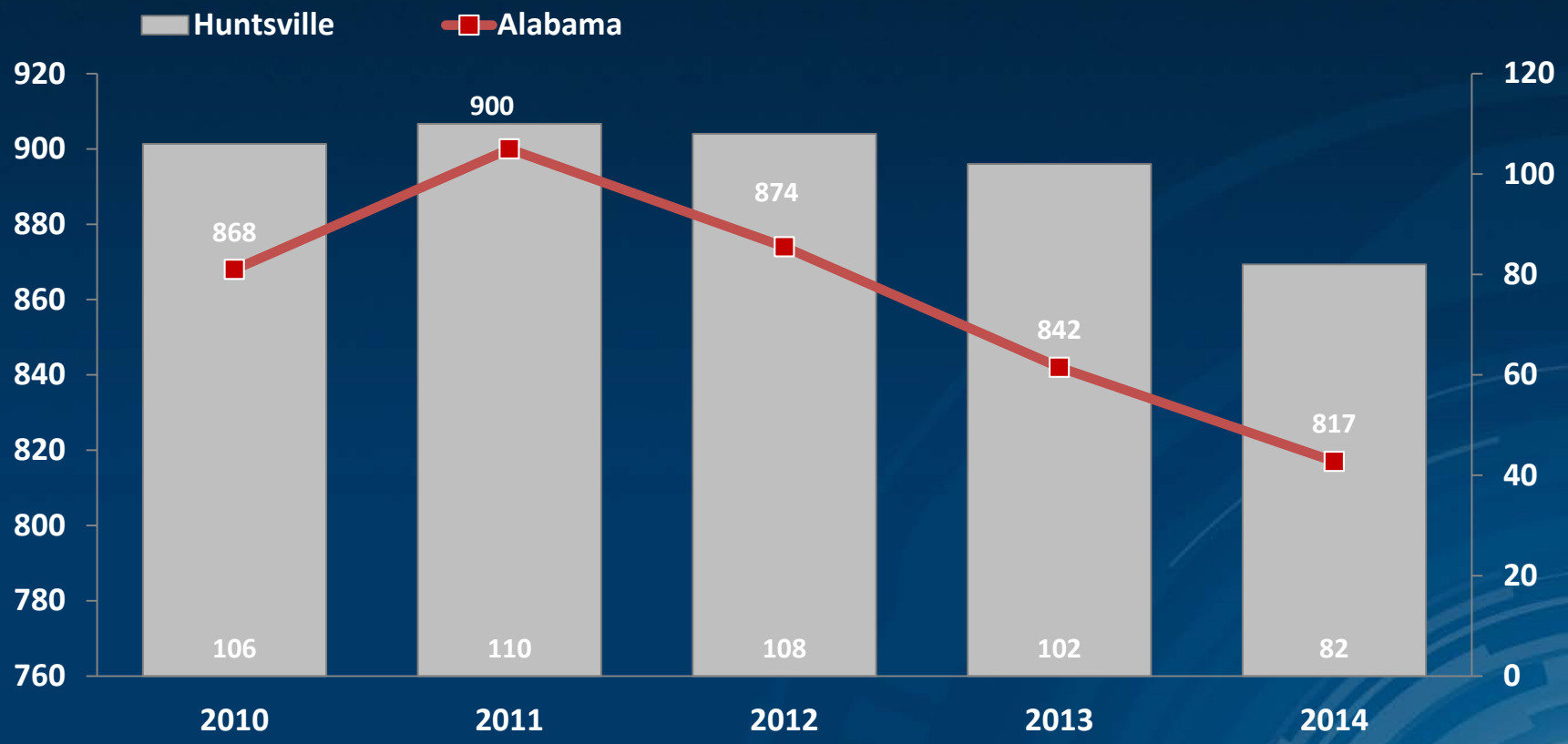
Statewide and Huntsville Fatalities
2010-2014



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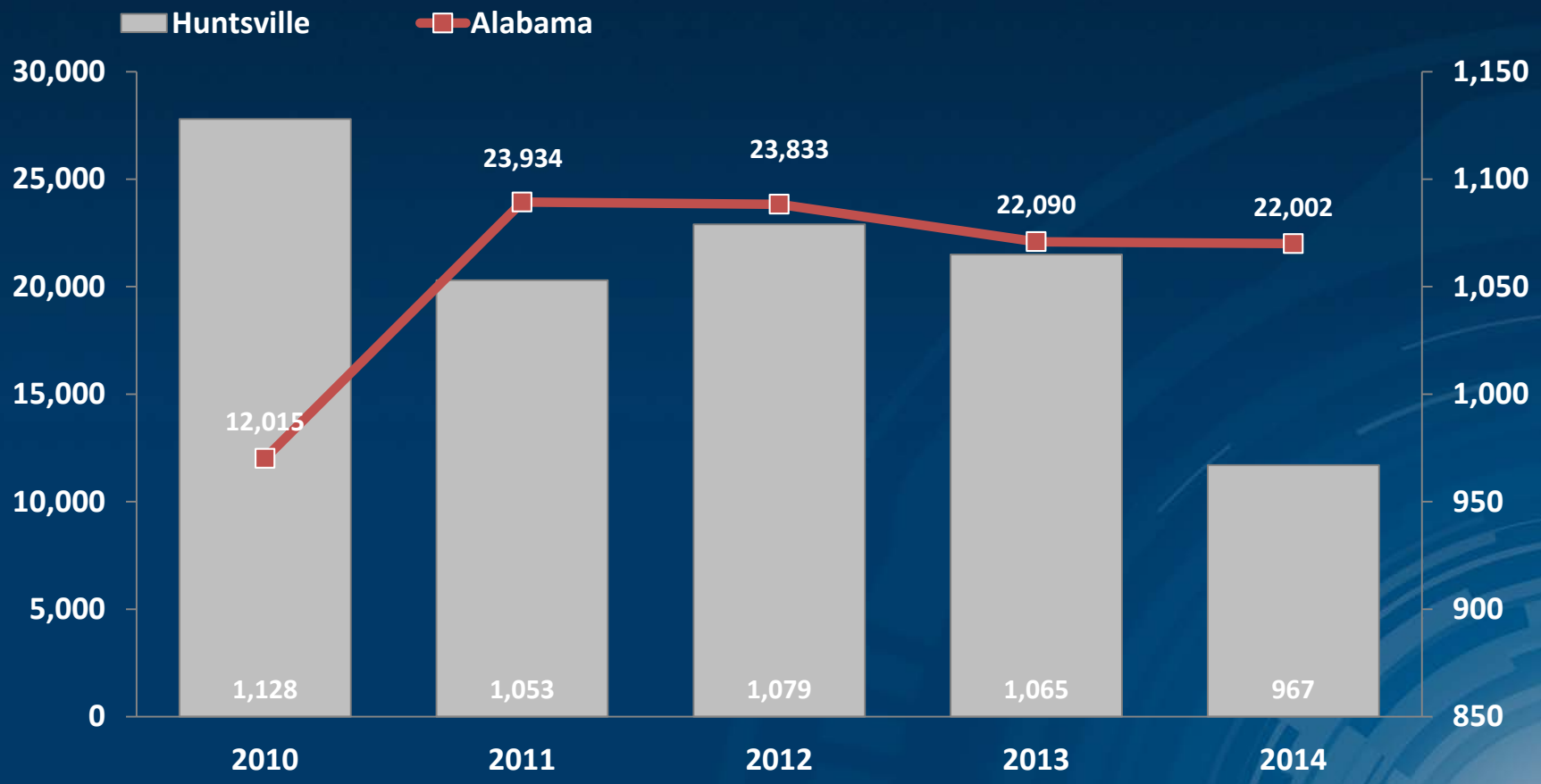
Statewide and Huntsville Severe Injuries
2010-2014



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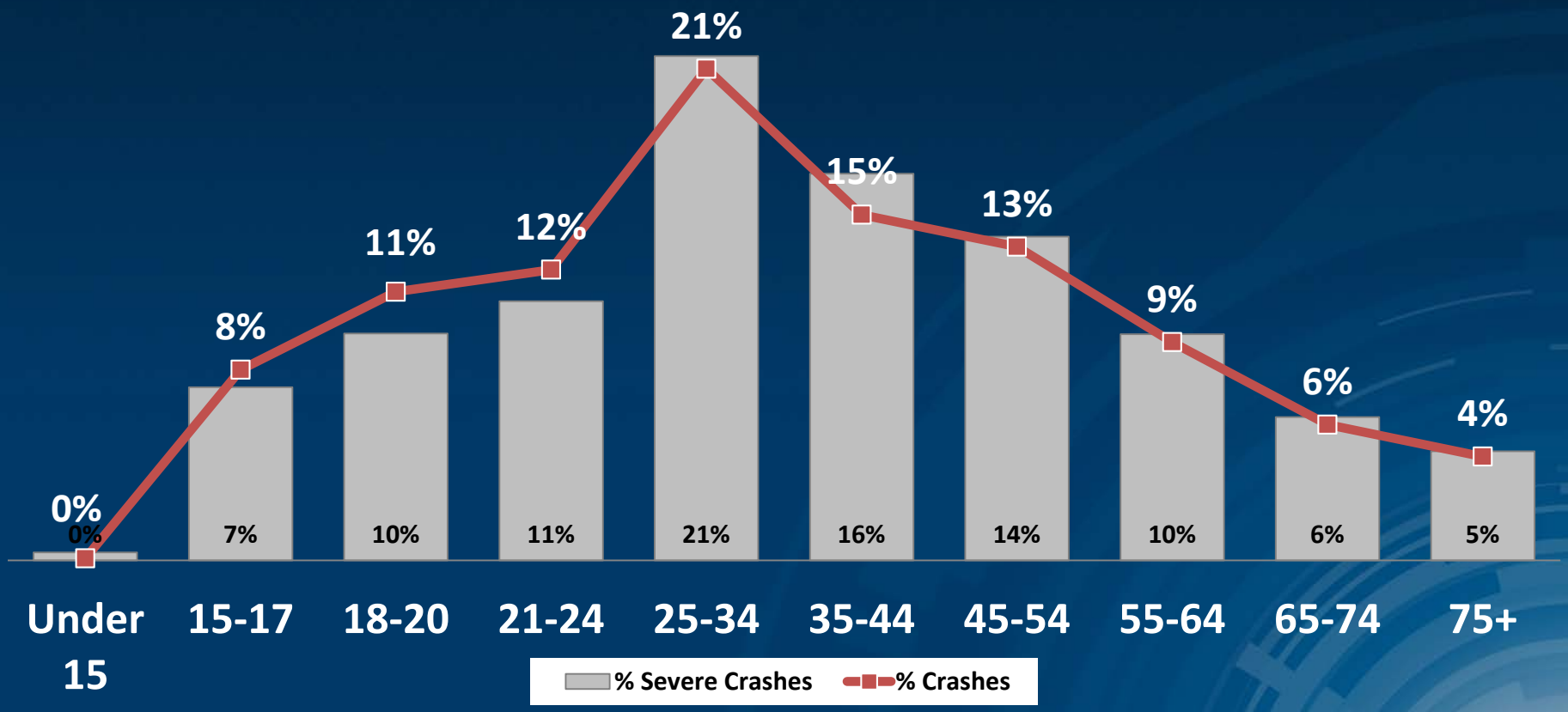
Percent of All Crashes and Severe Crashes by Type (2010 – 2014)

Crash Type	Percent of Total Crashes	Percent of Severe Crashes
Rear-End	35.1%	15.3%
Single Vehicle (RD)	20.8%	50.7%
Side-Swipe Same Direction	7.0%	1.5%
Angle Left Turn (Frontal)	2.5%	4.9%
Angle Other	6.5%	5.6%
Angle 90 Degree	10.3%	16.8%
Side-Swipe Opposite Direction	1.6%	1.1%
Single Vehicle Other	10.4%	2.7%
Unknown	0.1%	0.1%
Head-On	2.0%	7.1%
Backing	1.3%	0.0%
Other	1.8%	2.8%
Pedestrian	0.6%	5.5%
Bicycle	0.2%	1.3%

Total and Severe Crashes by At-Fault Driver Age (2010 – 2014)



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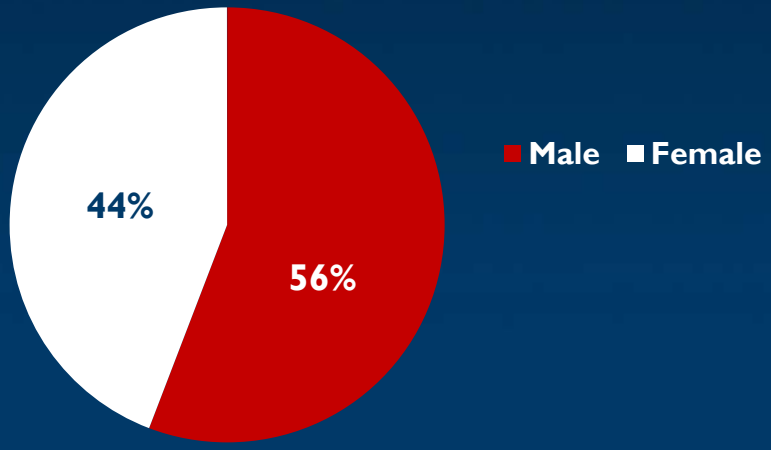
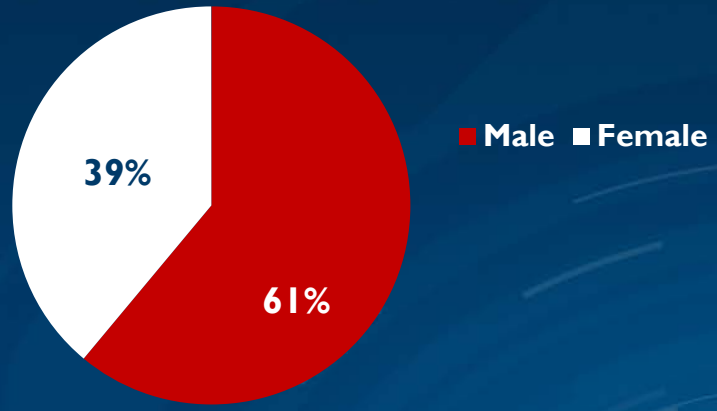
Total and Severe Crashes by At-Fault Driver Gender (2010 – 2014)

Total Crashes



Severe Crashes



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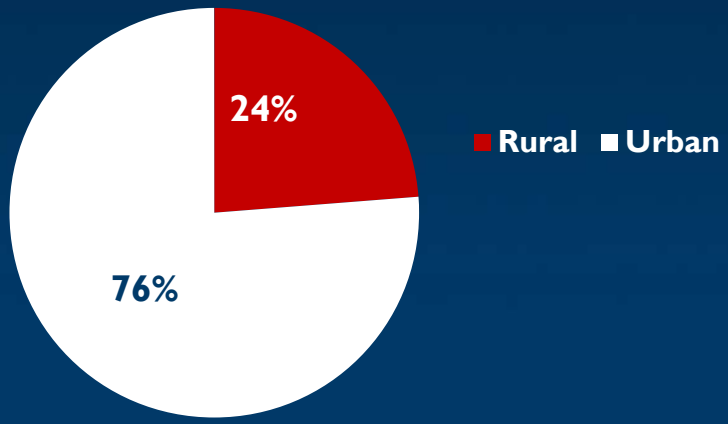
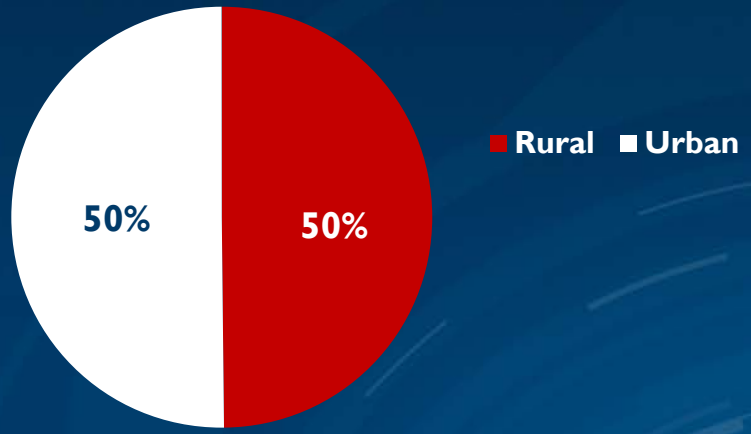
Crashes by Urban/Rural Geography (2010 – 2014)

Total Crashes



Severe Crashes



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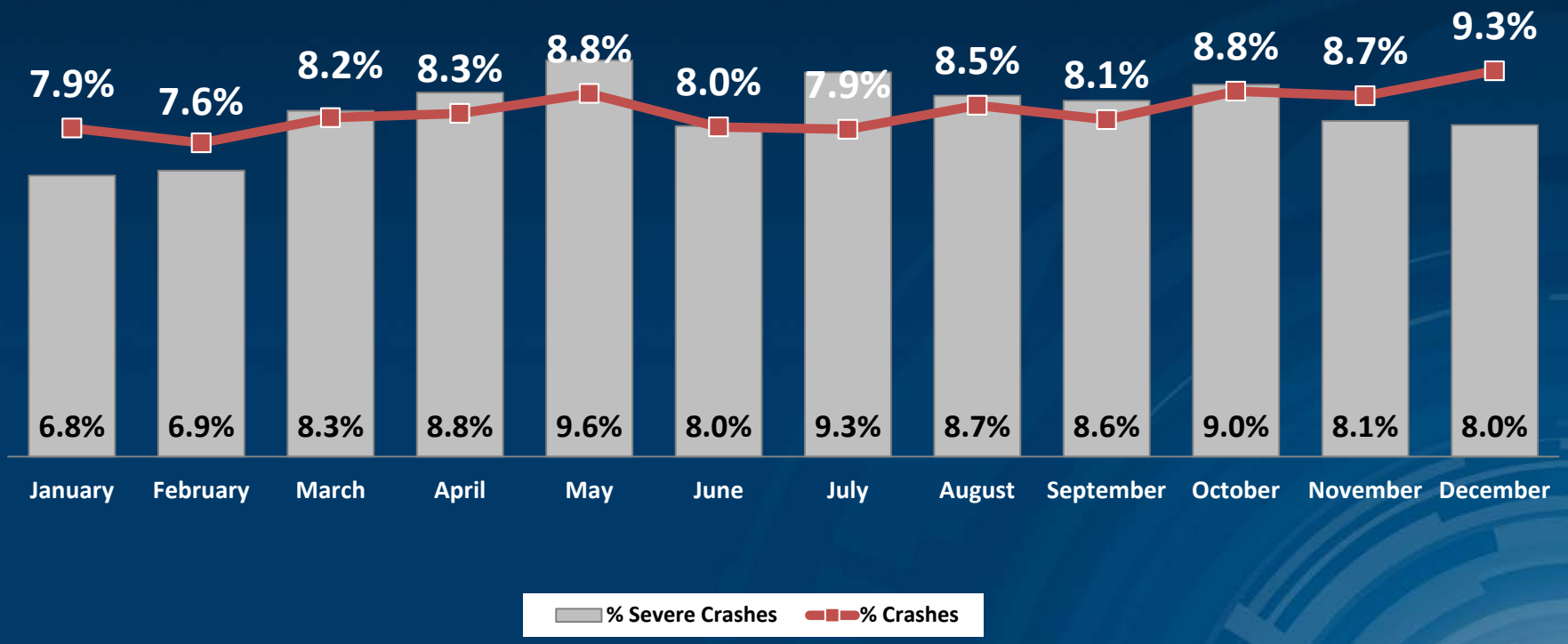
Total and Severe Crashes by Month (2010 – 2014)



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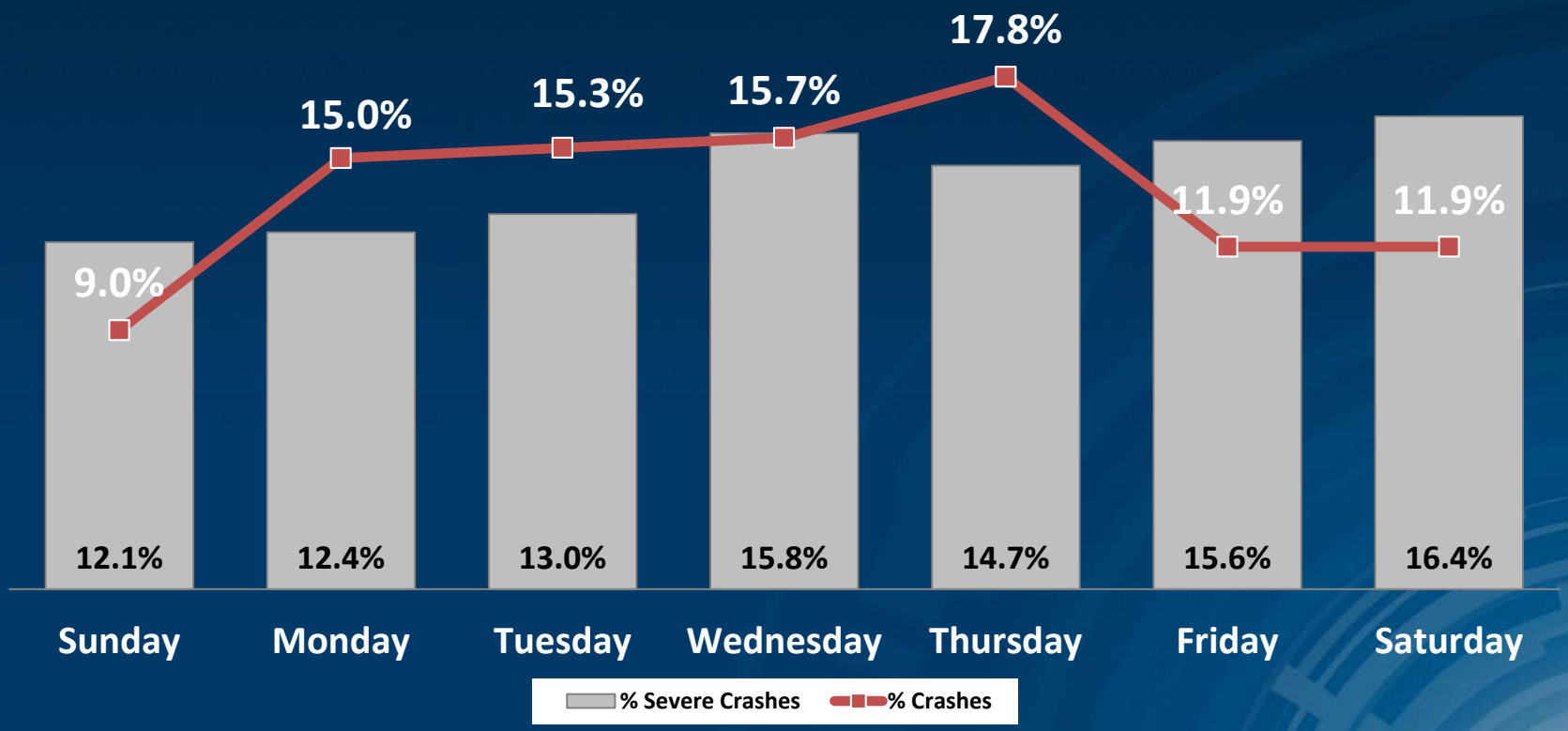
Total and Severe Crashes by Day of Week
(2010 – 2014)



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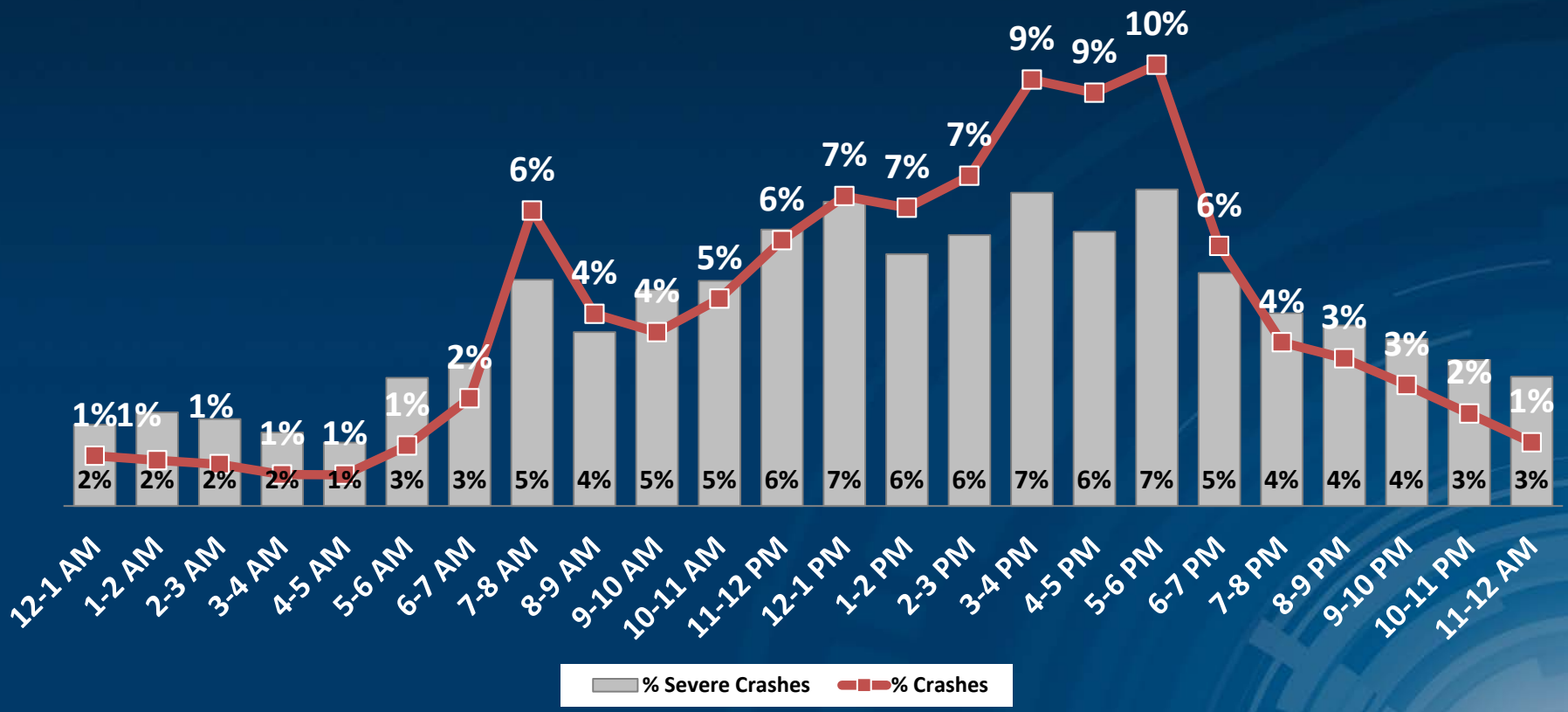
Total and Severe Crashes by Time of Day
(2010 – 2014)



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Next Steps & Action Items

Next Steps

- Recruit needed stakeholders
- Identify date/location for Coalition Meeting #1
- Gather additional data
- Prepare meeting materials/presentations