

# **MAG Strategic Transportation Safety Plan (“Safety Plan”)**

**Transportation Policy Committee  
April 15, 2015**

**Renate Ehm, City of Mesa, Chair  
Transportation Safety Committee**

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# Outline

1. Highlights of Road Safety Planning at MAG
2. Draft Strategic Transportation Safety Plan
  - Overview: Plan development process
  - Report: State of transportation safety in MAG region
  - Review: Implementation Plan 2016-2025
3. Request for guidance in meeting a funding gap for implementing the Plan

# Road Safety Planning at MAG

- 2000 - Safety Planning added to the MAG Work Program
- 2004 - Transportation Safety Committee
  - 1<sup>st</sup> Safety Committee for an MPO in the nation
- 2005 - MAG's first Strategic Transportation Safety Plan (STSP)
  - A number of programs and projects have resulted from the 2005 Plan

# Safety Programs & Projects

**2010-2017 Highway Safety Improvements  
\$13M programmed for 65 projects**



**Crash Data Analysis Software  
Data Driven Planning**



**Use of Clearview Font for Road Name Signs**



**Road Safety Assessments**



**Safe Routes to School  
Regional Crossing Guard Training**

# 2015 Draft Safety Plan

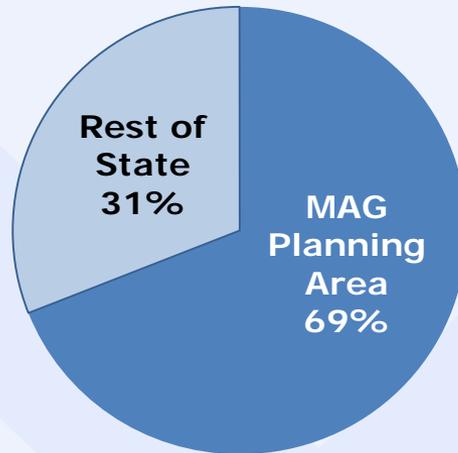
- MAP-21 Emphasis on Road Safety → Need to update the 2005 Safety Plan
- Consultant Team: Lee Engineering LLC & Texas Transportation Institute
- 20-month effort to develop Draft Safety Plan
  - Closely coordinated with the state's Plan
- 2015 Draft Safety Plan
  - Meets all MAP-21 requirements
  - Ten-year Implementation Plan has a funding gap of \$3M/yr

# Safety Plan Development Core Elements

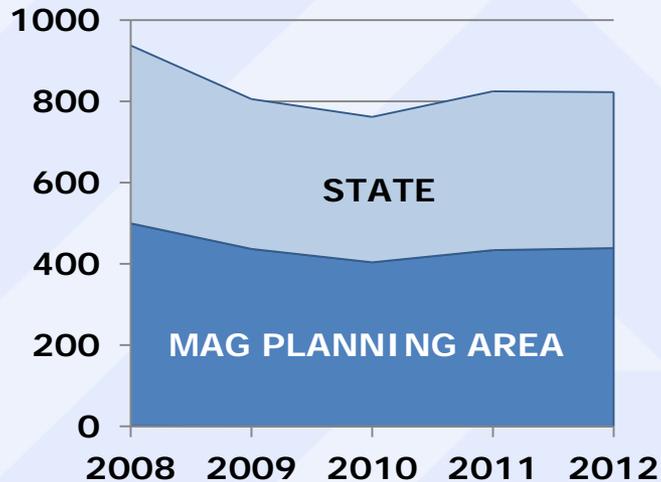
- Data Driven Planning
- Vision – Zero Deaths & Zero Injuries
- 6 Action Areas & 47 Strategies in 4 E's
  - Engineering, Education,  
Enforcement, Emergency Services
- Performance Measures and Targets
- Implementation Plan 2016 - 2025



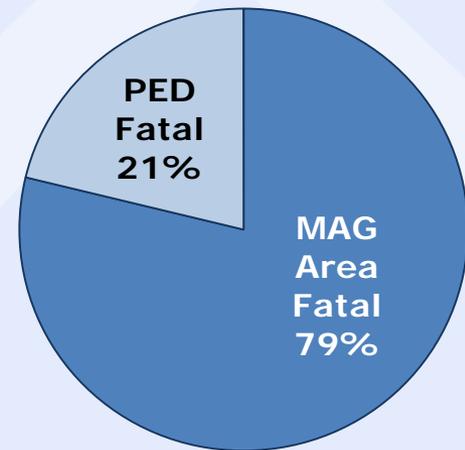
# State of Road Safety: 2008-2012



**ALL CRASHES**

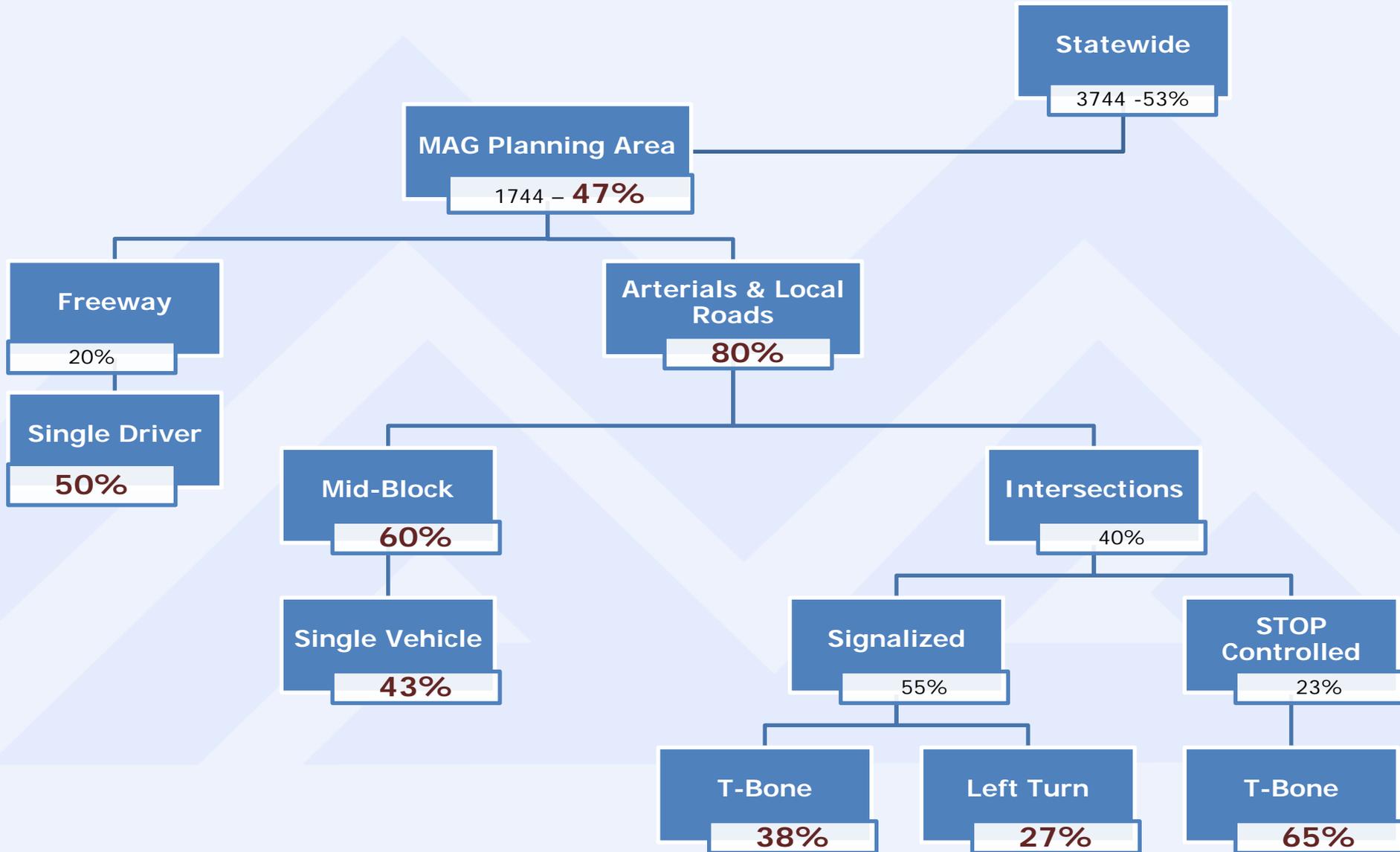


**ALL FATAL CRASHES**



**PEDESTRIAN CRASHES**

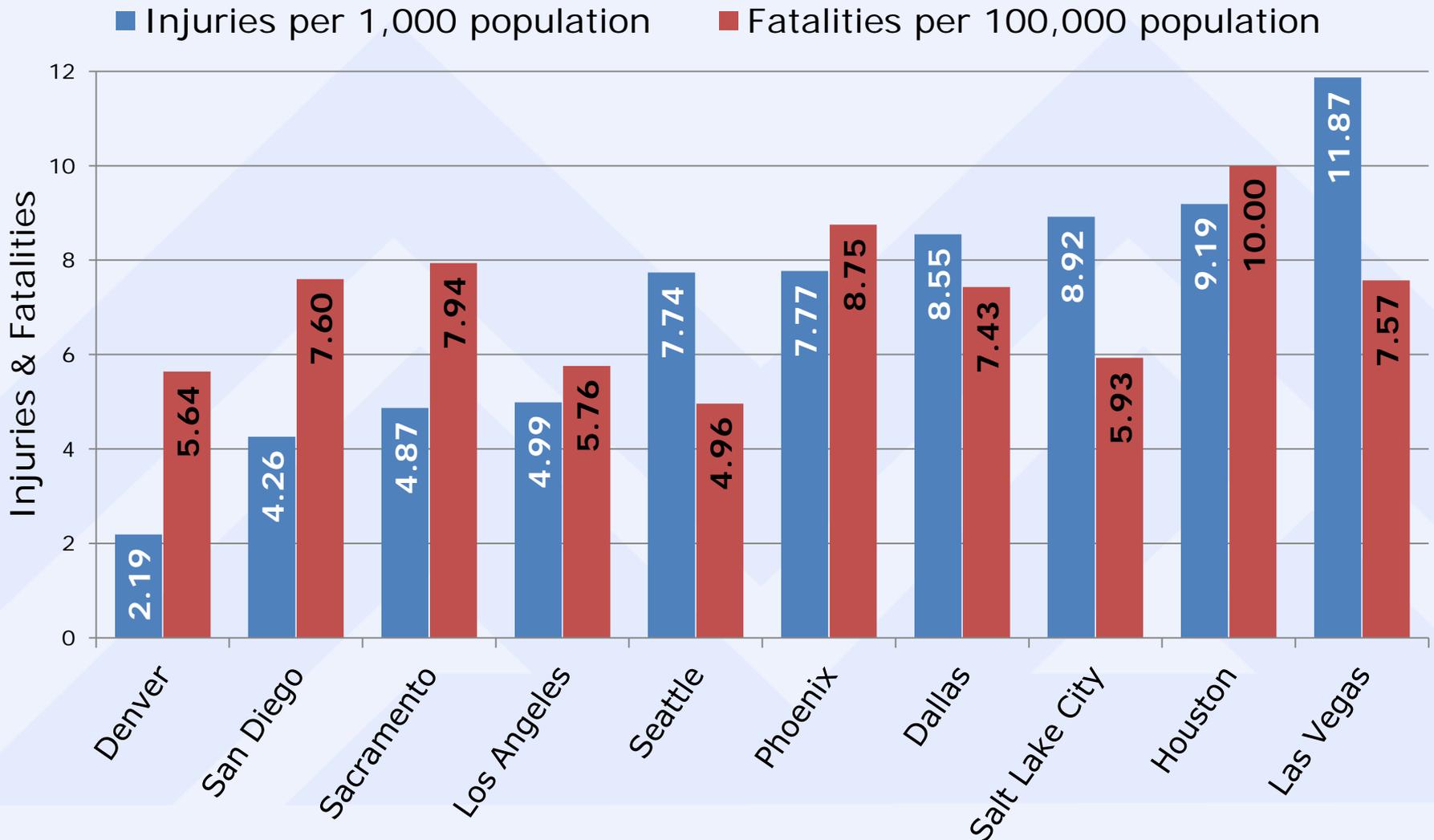
# Fatal Crashes 2008-2012



# Action Areas to Target Crash Factors

Factors Associated with Crashes	Action Area Selected
1. Impaired Driving	√
2. Speeding & Aggressive Driving	√
3. Intersections	√
4. Pedestrians, Bicyclists, Disabled	√
Safety Devices	
Older Road Users	
Distracted Driving	
5. Young Road Users	√
Lane Departures	
Motorcycle Riders	
Support Action Area	
6. Data Collection, Quality, Availability, Integration	√

# Comparison to Selected Urban Regions



# Example Strategies



Install Pedestrian Islands



Reduce Secondary Crashes

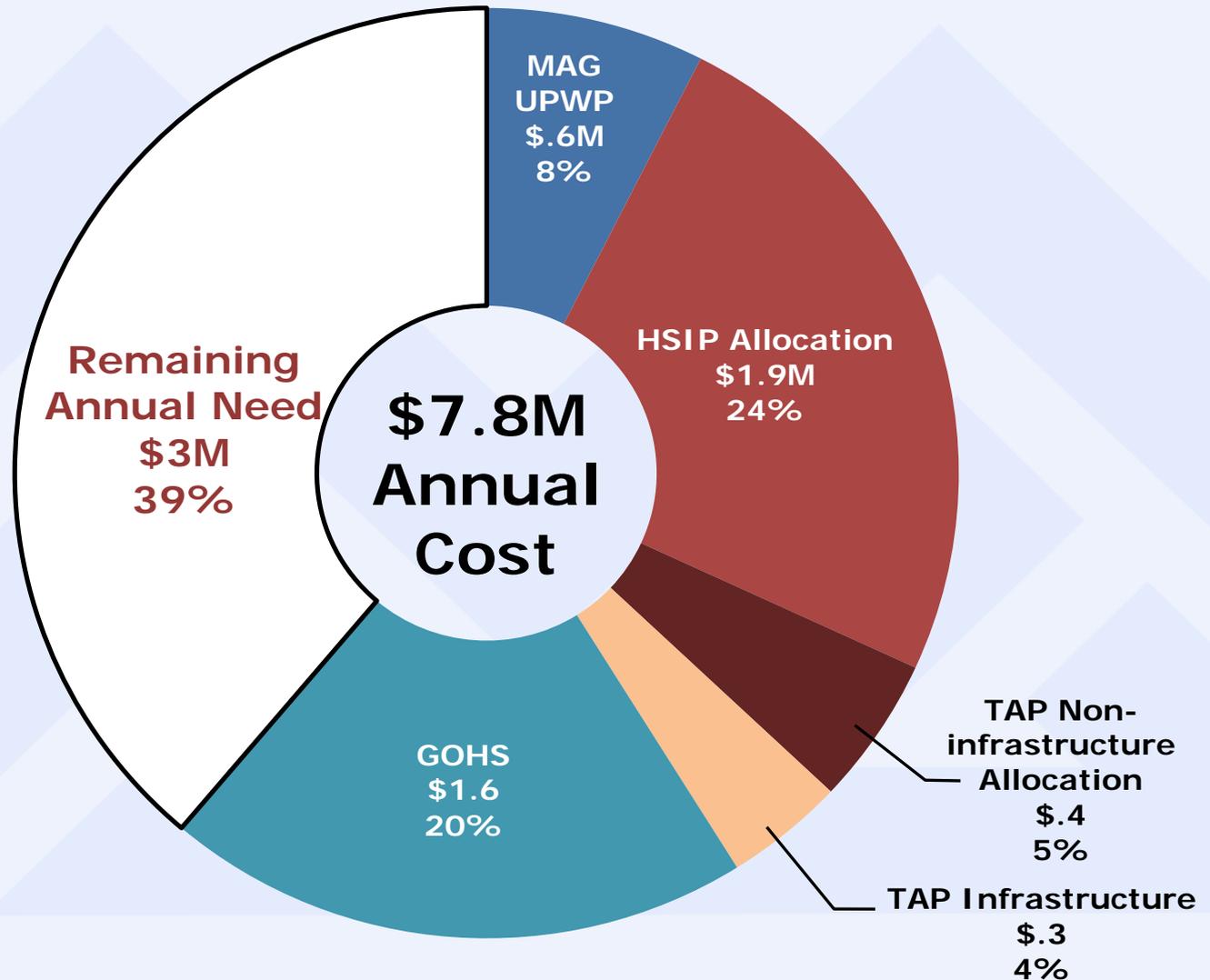


Install Pedestrian Activated Crossings



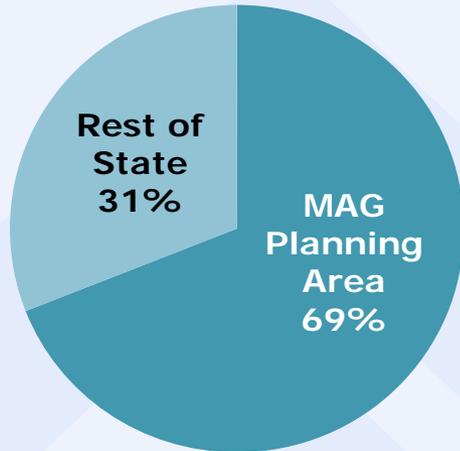
Enhance Road Safety Assessments

# Estimated Current Funding Sources

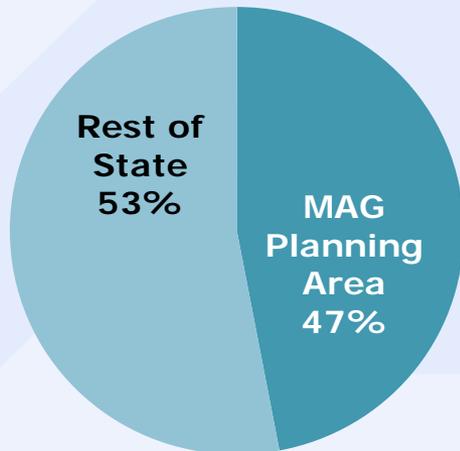


# Crashes vs HSIP Allocation

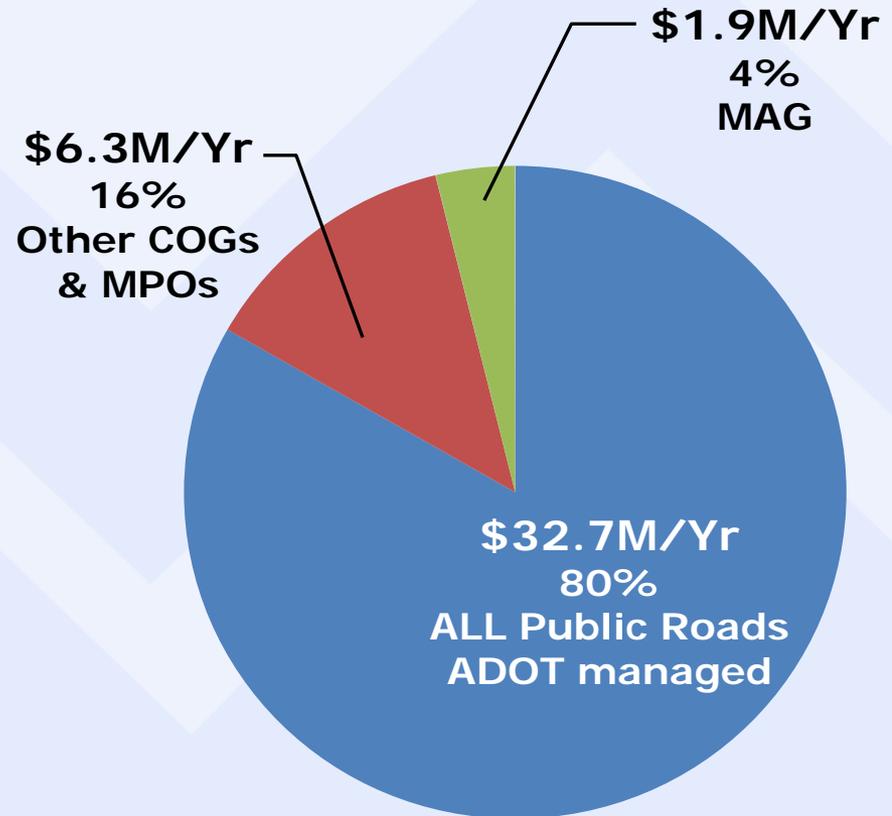
All Crashes



All Fatal Crashes



Current HSIP Allocations



# Transportation Safety Committee Action Requested

- Strategies to address the funding shortfall
- Modification to the MAG-HSIP suballocation
- Formal request from MAG to ADOT