

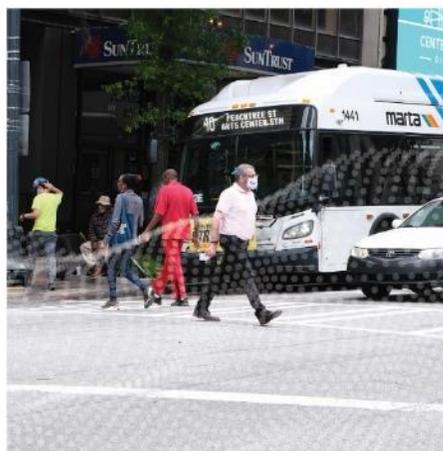


May 26, 2022

ATLANTA REGIONAL COMMISSION

# Regional Safety Strategy

*In Association with:*

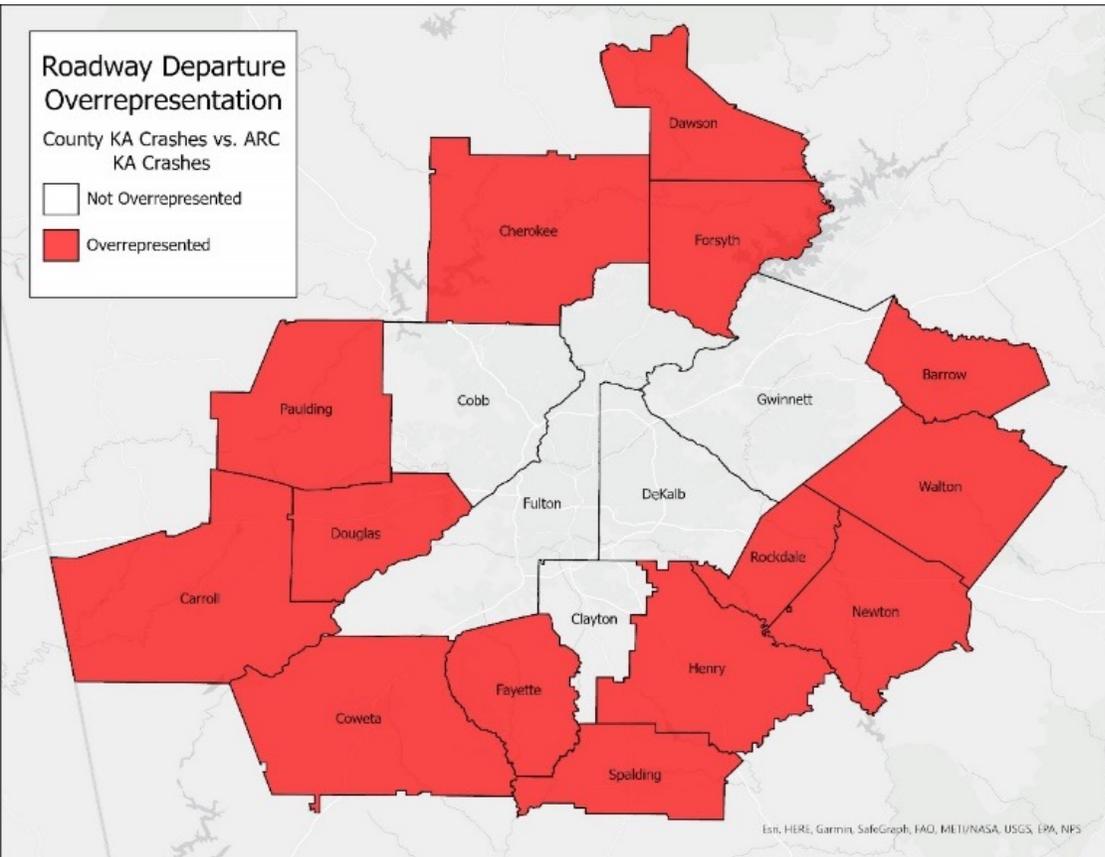


# Recap of Data Analysis

- **Focus** on fatal and serious injury crashes
- **Focus** on crash types
  - Intersection
  - Roadway Departure
  - Pedestrian
  - Bicycle
- **Focus** on facility types
- **Focus** on risk factors

Potential Focus Crash Types [Georgia SHSP Emphasis Areas]	Average Fatalities (per year)	Average Serious Injuries (per year)
<b>Intersection Related</b>	<b>325</b>	<b>1744</b>
<b>Roadway Departure Related</b>	<b>175</b>	<b>645</b>
<b>Pedestrian and Bicycle Related</b>	<b>138</b>	<b>250</b>
Older Driver Related	98	406
Motorcycle Related	74	325
Impaired Driving	57	226
Young Driver Related	51	378
Aggressive Driving	34	106
Distracted Driving	11	30

# Roadway Departure Focus Facilities



Facility ID	Area Type	Owner	Functional Class	Lanes
1	Urban	GDOT	Interstate	6+
2	Urban	GDOT	Minor arterial	2
3	Urban	County	Minor arterial	2
4	Urban	County	Major collector	2

# Roadway Departure Risk Factors

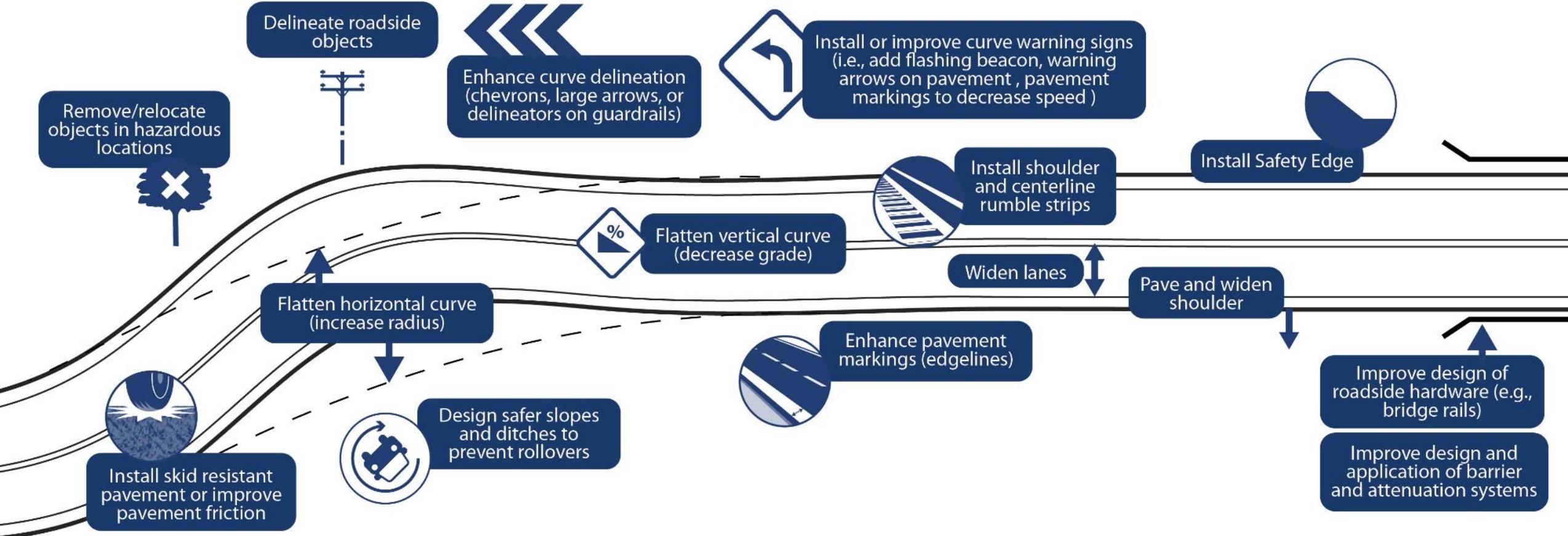
\* Very low sample size

Input	All Key Facilities	Arterials Only
Segment length (mi)	+++	+++
Segment is an interstate	+++	n/a
AADT over 30,000	+++	n/a
AADT between 5,000 and 15,000	n/a	++
4 or more thru lanes	++	n/a
GDOT Owned	+++	n/a
Posted speed limit 45 mph or above	+++	+++

## Risk of severe roadway departure crash increases as:

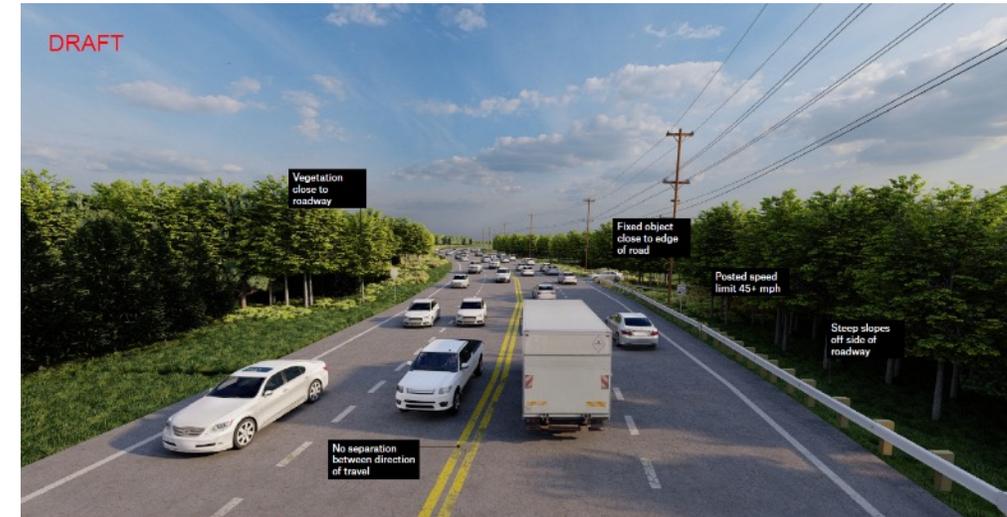
- Traffic volume increases
- Number of lanes increases
- Posted speed increases
- Shoulder width decreases
- Median width decreases

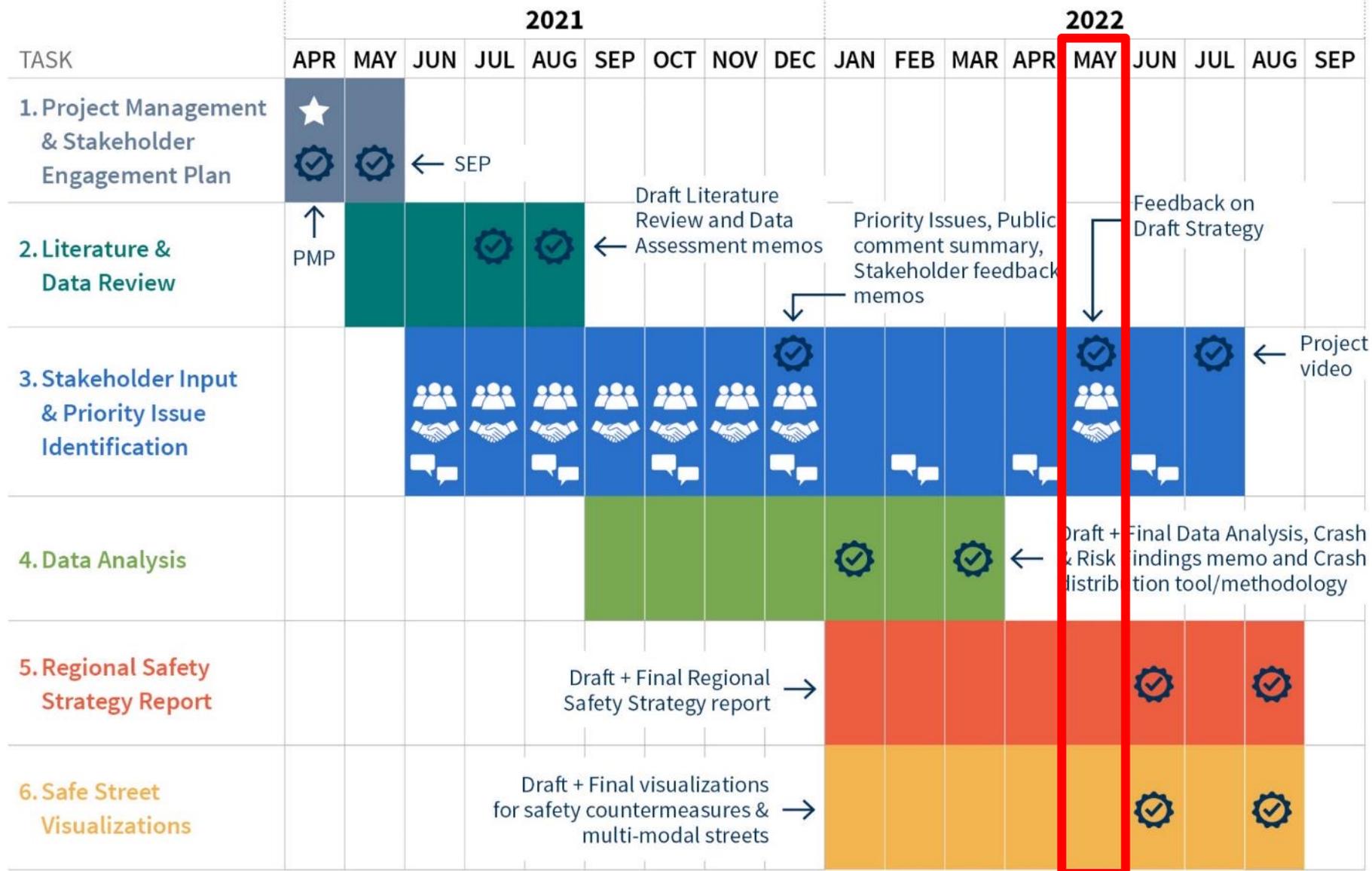
# Roadway Departure Countermeasures



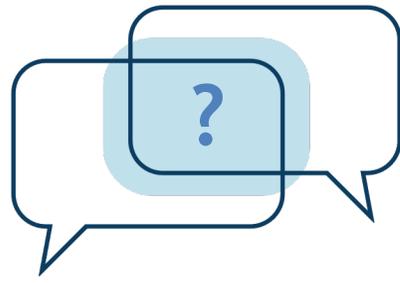
# Before-After Visualizations

- **High(er) risk** scenarios
  - Used risk factors to identify specific locations
  - Created generic visualization of high(er) risk scenario
    - Callout risk factors in before condition
- **Low(er) risk** scenarios
  - Identified proven safety countermeasures
  - Focus on select countermeasures in each scenario
    - Many nuances and alternatives depending on scenario
    - Combinations of countermeasures may be appropriate





# Questions



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