

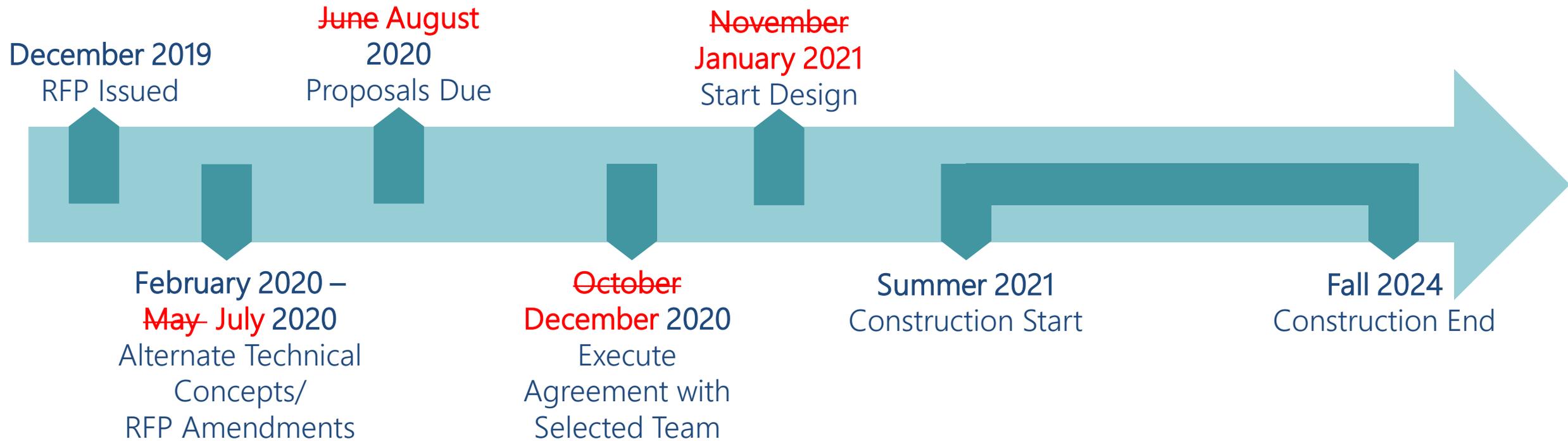


# I-10 Broadway Curve Update

Transportation Review Committee  
August 27, 2020



# I-10 Broadway Curve: Schedule Update



Freeway Life Cycle Program

# Current Contract Provisions for Closures

---

## All I-10 lanes, including HOV, to remain open during the weekday

### Night time lane closures

- 8:00pm to 4:00am weeknights (Sun, Mon, Tues, Wed, Thurs)
- 10:00pm Friday night to 7:00am Saturday morning
- 10:00pm Saturday night to 9:00am Sunday morning

### Weekend lane closures

- 10:00pm Friday night to 4:00am Monday morning

- 
- ✓ Both directions of I-10 cannot be closed at the same time
  - ✓ Holidays restricted
  - ✓ Special events restricted



Photo Courtesy of the Arizona Department of Transportation



# I-10 Broadway Curve: Minimizing Project Risk

- Started with the Risk Assessment Workshop held last year
- “User Experience” items were ranked as the highest risk to the project
  - Direct impact on drivers
  - Public’s expectations for construction
  - Tolerance for congestion



# I-10 Broadway Curve: TDM Strategies



# I-10 Broadway Curve: Traffic Operational Analysis

---

## Purpose of the Analysis

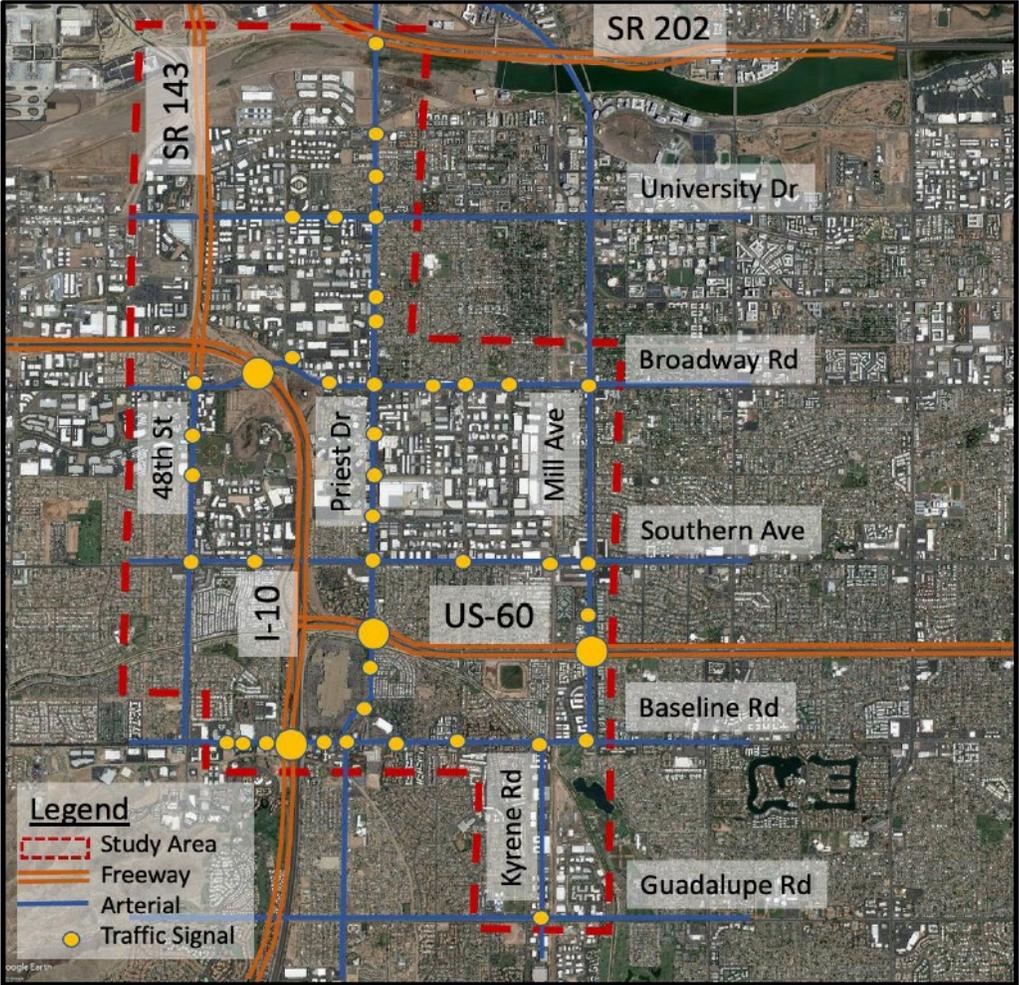
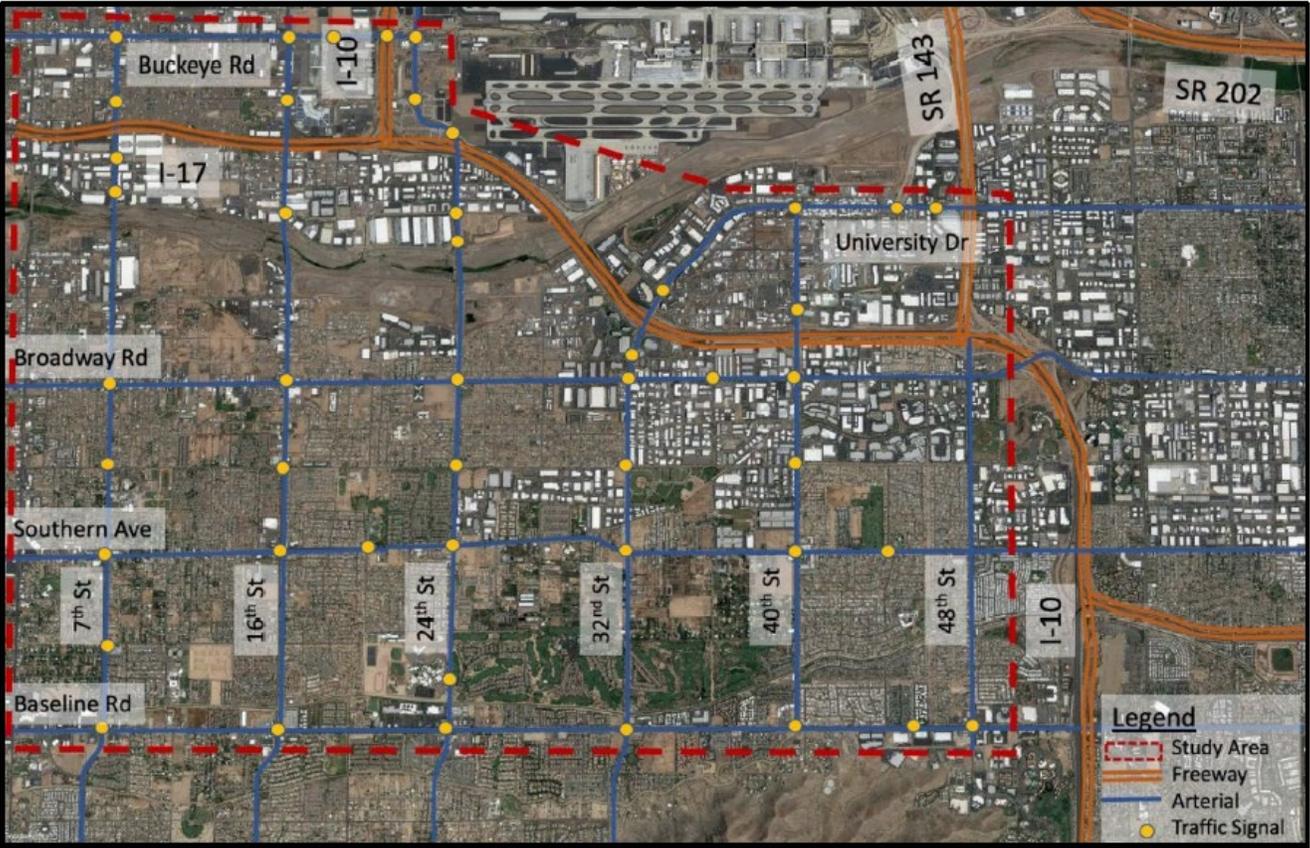
- Assess the traffic management capabilities of the arterial routes near Broadway
  - ❖ East-west arterials between 7th St and Mill Avenue
  - ❖ North-South Arterials between Baseline Rd/Guadalupe Rd and University Drive/Buckeye Rd

## Key components of the Analysis

- System component and traffic management data collection and evaluation of the routes.
- Identifying potential improvements achievable before start of construction.



# I-10 Broadway Curve: Traffic Operational Analysis



Freeway Life Cycle Program

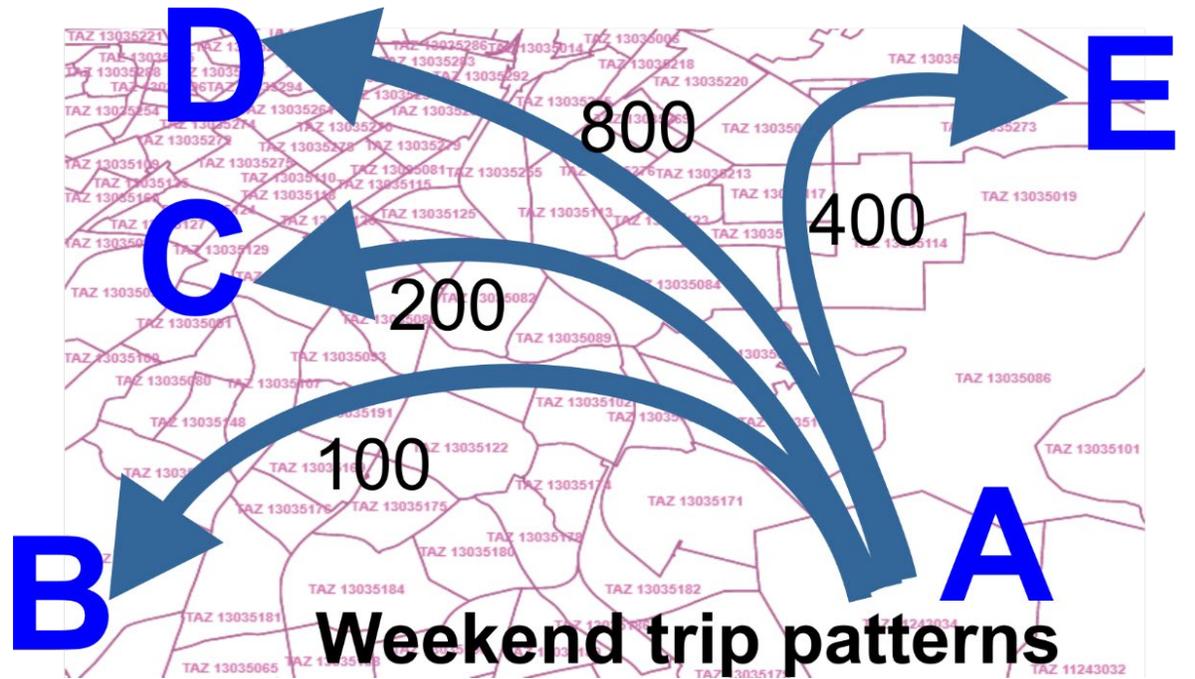
# I-10 Broadway Curve: Dynamic Modeling

## Purpose

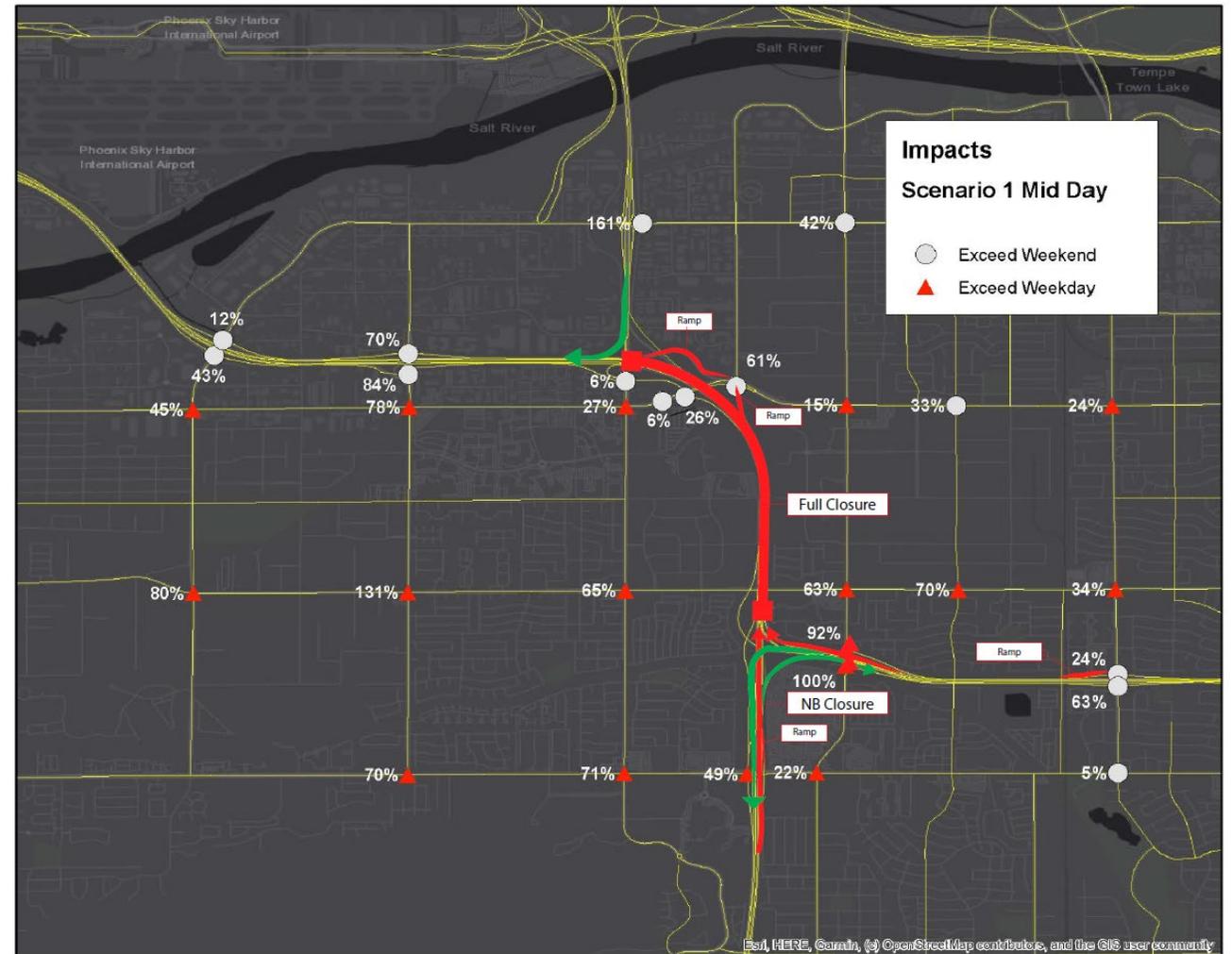
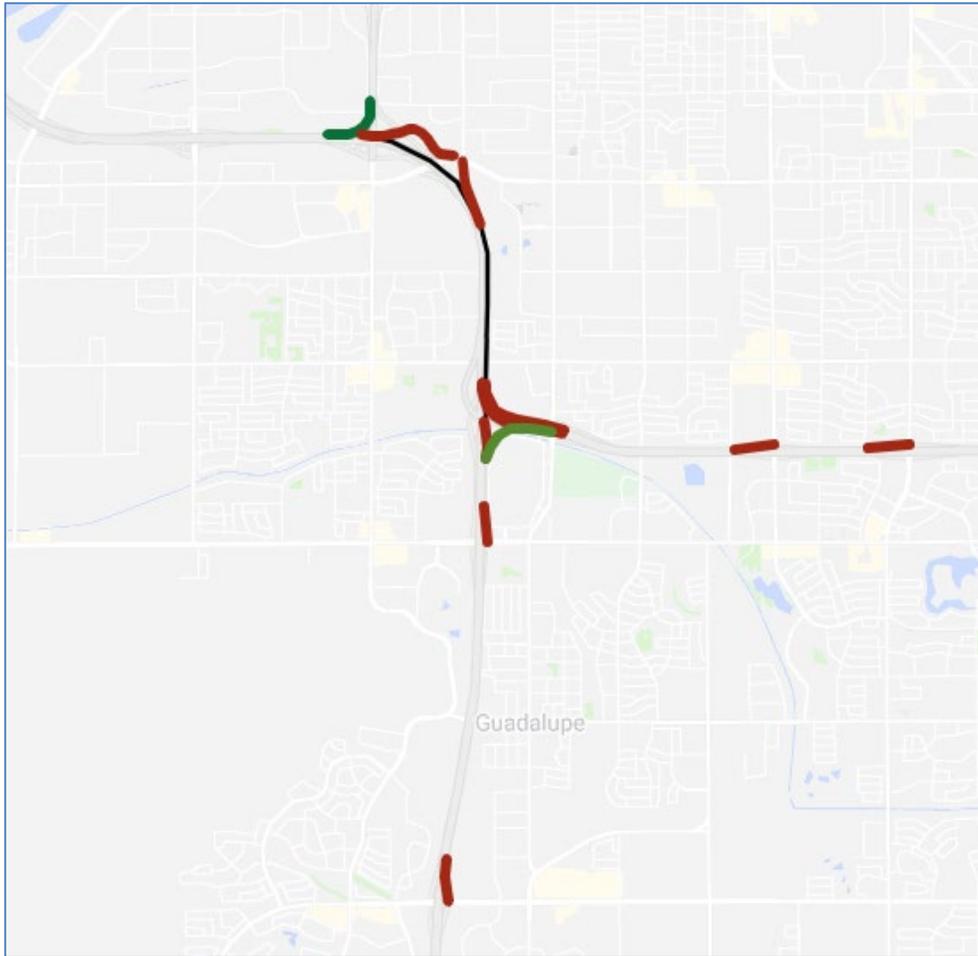
- Identify stress in the network
- Identify impacts to local areas
- Frequency of impacts

## Metrics

- Volume changes
- Travel time/speed changes
- Spread of impacts



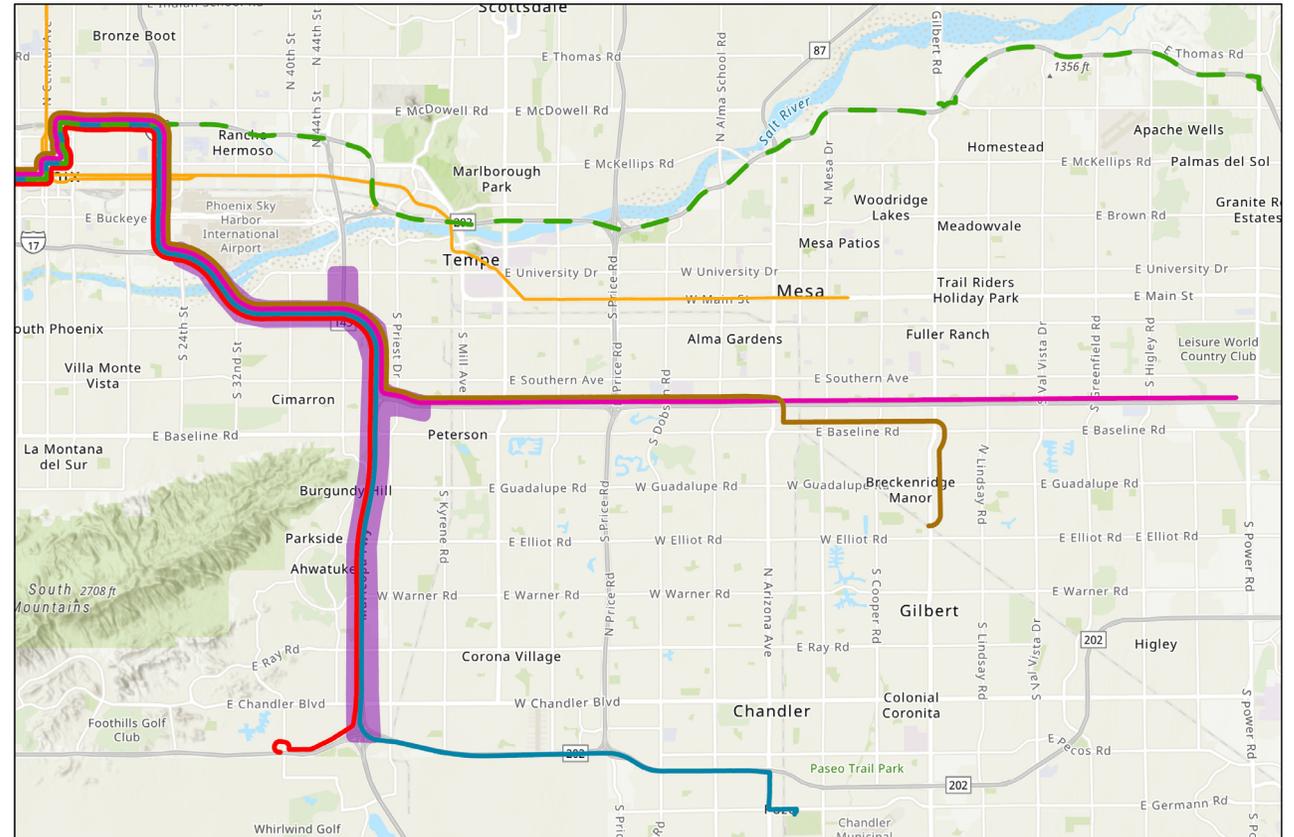
# I-10 WB Closure between US 60 & SR 143



Freeway Life Cycle Program

# Potential Transportation Demand Management and Transit Mitigation Measures

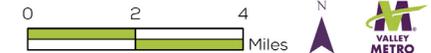
- Commuter-based routes
- TDM
  - Vanpool
  - Carpool
  - Alternative Commutes
- Messaging and marketing
  - Valley Metro and regional efforts



**Broadway Curve Potential Transit Mitigation Measures**

**LEGEND**

- Broadway Curve Project Area
- 533
- 535 - Potential Reliever
- Valley Metro Rail
- 542
- 531
- I-10 East



Freeway Life Cycle Program

# I-10 Broadway Curve: Strategic Communication Plan

---

This Strategic Communication Plan will ensure the Broadway Project Team deploys proper outreach tools, conveying accurate and timely information to project partners, stakeholders and users.

## Timeline of Events

- **May 2020:**  
Partner Workshop
- **June – September:**  
Plan development
- **December – June:**  
Preconstruction communication
- **June – construction:**  
Robust communication and outreach

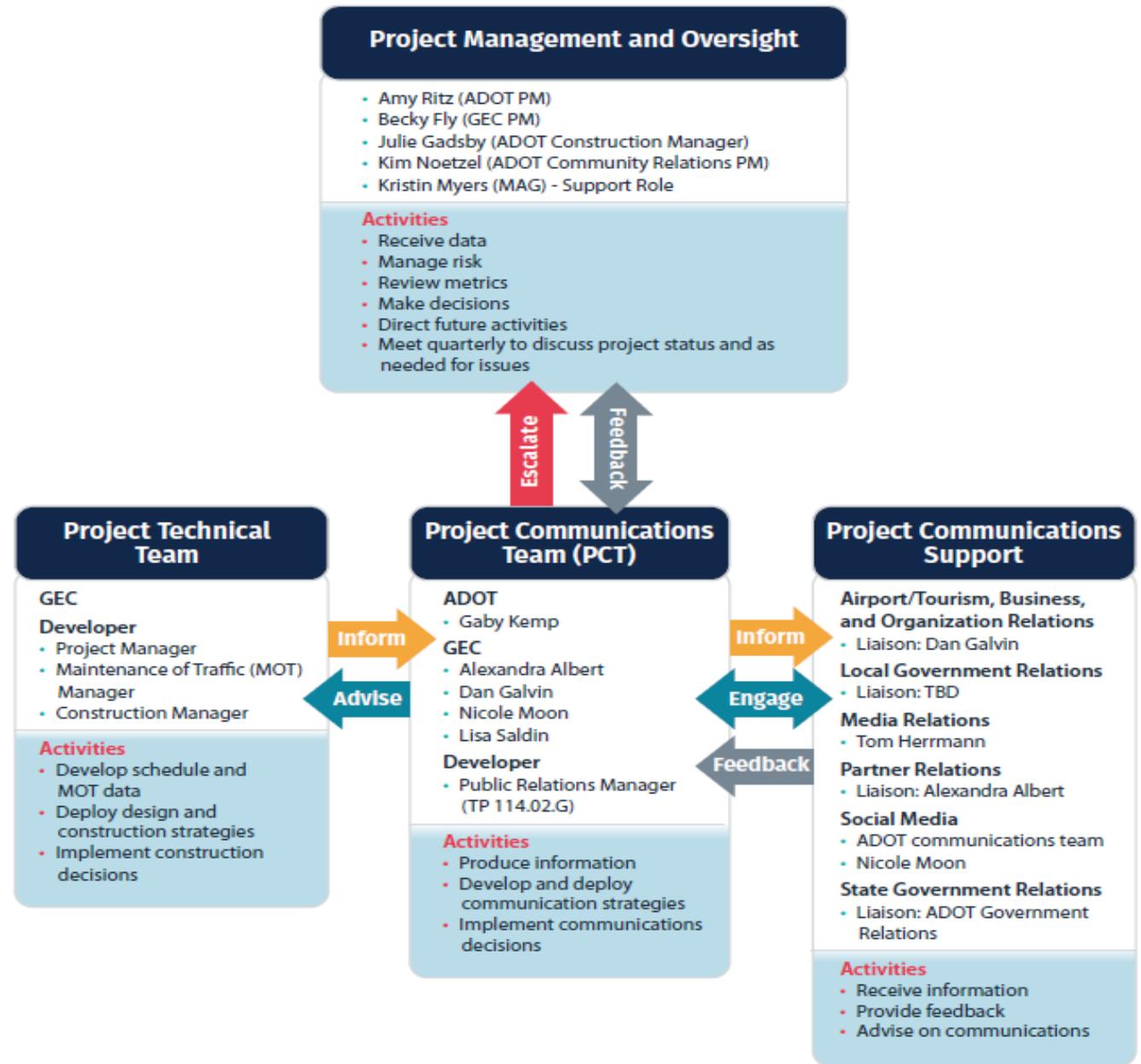


Photo Courtesy of the Arizona Department of Transportation



# I-10 Broadway Curve: Strategic Plan Implementation

- ✓ Who
- ✓ How
- ✓ When
- ✓ Metrics & Measurements



# Summary

---

- First major freeway reconstruction project within the urban core.
- Traffic volumes within the Broadway Curve are on average 300,000 vpd.
- Provides access to airport, major employment, and activity hubs.
- Project will be under construction during the tentative Proposition 400 extension vote.
- Regional discussion to evaluate the prioritized list of potential holistic mitigation measures will commence this fall. Funding decisions will be needed by ADOT and Regional Council.
- Strategic communication plan will be distributed to agencies in September.



Freeway Life Cycle Program



# I-10 Broadway Curve Update

Kristin Myers  
Transportation Project Manager