Chandler Heights Road Improvements

Gilbert Road to Val Vista Drive
Agenda

• Welcome and Opening Comments
• Project Team Introductions
• Project Overview
• Project Communications
• Next Steps
• Open House
Project Limits
Proposed Improvements

- Four vehicular travel lanes (two lanes in each direction)
- On street bike lanes
- Raised medians
- Curb and gutter
- Sidewalk
- ADA (Americans with Disabilities Act) ramp upgrades
- Drainage improvements
- Traffic signal upgrades at Lindsay Road and Chandler Heights Road
- Landscaping
- Striping and signing improvements
- Pavement improvements
- Street lighting improvements
- Right-of-way and easement acquisition
- RWCD improvements & SRP 12kV Overhead Power Underground Conversion
Proposed Typical Section

Proposed Conditions – Typical Section
Project Overview

- **Existing Conditions from Gilbert Road to White Place**
  - Roadway is built to ultimate width

- **Existing Conditions from White Place to Lindsay Road**
  - North side of road is not improved
  - South side of road is built to ultimate width

- **Existing Conditions from Lindsay Rd to 148th Street**
  - Roadway is built to ultimate width, median improvements to be added

- **Existing Conditions from 148th Street to Val Vista Drive**
  - Roadway is one lane in each direction, not improved
Project Funding

- Project is utilizing Federal funding for construction
- Project must comply with FHWA and ADOT guidelines
  - Right-of-way discussions after environmental clearance
Next Steps

- City Transportation Commission
  - Spring 2019

- City Council Meeting
  - Spring 2019

- Environmental Investigation Underway
  - Clearance - May 2019

- Right-of-Way Acquisition Process:
  - Starts May 2019 (after environmental clearance)

- Construction Begins
  - Fall 2023 (if additional grant funds are approved, Summer 2020)
New Right of Way

- All new right-of-way and easements will be purchased
- City right-of-way acquisition process
  - Title reports, legal descriptions and appraisals are completed
  - Offers are presented and discussed with owners
Traffic Projections for Roadway Design

• Design for 20 years in the future
• Roadway to be open in 2024 (if additional grant funds are approved, 2021) – use 2040 projections
• Consistent w/ City Transportation Master Plan (see City Website)
2040 Traffic Projection Considerations

- Existing traffic counts
- 2040 predicted population
- 2040 predicted employment
Projected Volumes

Chandler Planning Level Capacity
Level of Service D

- Level of Service D: limit of acceptable operation (delay-based)
- 2-lane capacity: 12,200 – 15,300 vehicles/day
- This is the maximum volume that can be safely and efficiently accommodated
- 4-lane roadway is needed when the 2-lane capacity is exceeded
Projected Volumes

**GILBERT ROAD**
- 10,900 VPD
- 11,450 VPD
- 17,700 VPD

**LINDSAY ROAD**
- 9,000 VPD
- 9,450 VPD
- 14,600 VPD

**VAL VISTA DRIVE**

**CHANDLER HEIGHTS ROAD**

2017 Counts, City
2018 Adjusted Counts, TRA
2040 Projected Volume

- Gilbert Road to Val Vista Drive
Thank you for coming!
Any questions?