Loop 101 (Pima Freeway) Improvement Project: Interstate 17 to Pima Road

Open House
January 17, 2019
Scottsdale Airport
15000 N. Airport Dr., Scottsdale, AZ 85260
Tonight’s Agenda

- 5:30 – 6 p.m. – Attendee sign-in, review displays and printed materials
- 6 p.m. - Presentation on the project and overview of project team, improvements and design/build process
- 6:30 – 7:30 p.m. – Open house continues for attendees to ask questions of project team members, get information and learn more about the project
Project History

- Loop 101 (Pima Freeway) from Interstate 17 (I-17) to Princess Drive Design Concept Report and Environmental Analysis (2014-2015)
  - Improve freeway capacity
  - Reduce future congestion
  - Implement the Regional Transportation Plan funded by Maricopa County voters with Proposition 400 (November 2004)
Design Concept Report - 2014

- Identified project goals
- Evaluated existing conditions
- Identified and evaluated alternatives
- Recommended Preferred Alternative
- Solicited and documented public input
- Identified cost estimates, project funding and schedule
Environmental Analysis - 2014

- A document that is prepared to comply with the National Environmental Policy Act, or NEPA, which includes:
  - Discussion of the need for and purpose of the project
  - Evaluation of alternatives
  - The environmental impacts of the project and associated mitigation measures
  - Coordination with agencies and the public

- The environmental analysis for this project was documented with a Categorical Exclusion (CE).
  - A CE is only produced for projects that do not have any significant impacts environmentally or socioeconomically.
Design/Build Delivery Method

- Overlaps design and construction phases that are traditionally done consecutively
- Design and construction performed by a single team, under one contract
- Time saved because ordering of materials and site work begin before the final design is complete
- Greater potential to save time and reduce costs
Project Team

- **Design-Builder:** Coffman Ames Joint Venture
- **Duration:** February 2019 – early 2021
- **Construction Cost:** $185 million
Improvements

- Adding one general purpose lane in each direction between I-17 and Pima Road
- Adding an auxiliary lane in each direction between Seventh Street and Cave Creek Road
- Constructing a new freeway overpass at the future Miller Road alignment
- Modifying freeway ramps and frontage road connections at 11 interchanges
- Adding or replacing noise or retaining walls where warranted, drainage improvements and rubberized asphalt
Two Segments

- Segment 1: I-17 to SR 51
- Segment 2: SR 51 to Pima Road / Princess Drive
## Segment 1: I-17 to SR 51

### Roadway – General Purpose Lane Widening

<table>
<thead>
<tr>
<th>Eastbound</th>
<th>Westbound</th>
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</thead>
<tbody>
<tr>
<td>1 Lane - I-17 to SR 51</td>
<td>1 Lane – SR 51 to I-17</td>
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### Roadway – Auxiliary Lane Widening

<table>
<thead>
<tr>
<th>Eastbound</th>
<th>Westbound</th>
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<tbody>
<tr>
<td>7th St to Cave Creek Road</td>
<td>Cave Creek Road to 7th Street</td>
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### Bridge Widening Locations

<table>
<thead>
<tr>
<th>Location</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>19th Avenue</td>
<td>7th Street</td>
</tr>
<tr>
<td>15th Avenue</td>
<td>16th Street</td>
</tr>
<tr>
<td>Cave Creek Wash</td>
<td>Cave Creek Road</td>
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</tbody>
</table>
## Segment 2: SR 51 to Pima Road

<table>
<thead>
<tr>
<th>Roadway – General Purpose Lane Widening</th>
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<tbody>
<tr>
<td><strong>Eastbound</strong></td>
<td><strong>Westbound</strong></td>
</tr>
<tr>
<td>1 Lane - Tatum Boulevard to Pima Rd</td>
<td>1 Lane – Pima Rd to Tatum Boulevard</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Bridge Widening Locations</th>
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</thead>
<tbody>
<tr>
<td>32nd Street</td>
<td>56th Street</td>
</tr>
<tr>
<td>CAP Canal</td>
<td>Scottsdale Road</td>
</tr>
<tr>
<td>Low-Flow Channel</td>
<td>Hayden Road</td>
</tr>
<tr>
<td>Tatum Boulevard</td>
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## Construction of 1 New Bridge

Future Miller Road
Retaining and Noise Walls

Segment 1
29,011 SQ.FT
22,102 SQ.FT
104,194 SQ.FT

Segment 2
64,097 SQ.FT
71,083 SQ.FT
6,376 SQ.FT
16,971 SQ.FT
Construction Activities

- Initial activities will be related to setting up the construction zone throughout project corridor.
  - Installing concrete barriers and shifting traffic
  - Electronic message boards in use
  - Utility relocation
  - Sound and retaining wall construction
- Construction will begin simultaneously on both the west and east ends of the project and meet in the middle at SR 51.
Allowable Closures

- Mondays through Thursdays from 10 p.m. to 5 a.m. and weekends from 10 p.m. Fridays to 5 a.m.

Mondays
- Single lane closures
- Double lane closures
- Full closure of Loop 101 in one direction
- Full closure of crossroads in one or both directions
- Ramp closures
Special Events

- No traffic restrictions will occur during events with more than 30,000 attendees.
- 2019 events include: Barrett-Jackson, Waste Management Phoenix Open, Arabian Horse Show, Parada Del Sol, Goodguys Car Shows (spring and fall) & Cyclefest.
- Similar events will be planned for in 2020.
Schedule

February 2019 Construction Begins

Early 2021 Construction Ends
Be in the Know

Goals:
Minimize impacts to the greatest extent possible and keep community members updated on construction

azdot.gov/Loop101Improvements

subscribe for updates
Stay Engaged

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Phoenix, AZ 85007
Thank You!

azdot.gov/Loop101Improvements