Loop 101 Pima Freeway General Purpose Lanes

January 2015

Prepared by
Arizona Department of Transportation
206 S. 17th Ave.
Phoenix, AZ 85007

In cooperation with
U.S. Department of Transportation
Federal Highway Administration

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1.0 Project Overview

The Arizona Department of Transportation (ADOT) in cooperation with the Federal Highway Administration (FHWA) has initiated a Design Concept Report (DCR) and environmental study to evaluate the addition of one general-purpose travel lane in each direction on a thirteen-mile stretch of Loop 101 (Pima Freeway) from Interstate 17 (I-17) to Princess Drive. Growing traffic demand has caused the Loop 101 corridor to become increasingly congested during the morning and evening peak travel periods, and traffic volume projections indicate the congestion will worsen in the future. This study will evaluate the addition of general-purpose travel lanes to increase freeway capacity and help alleviate increased levels of traffic congestion in the future.

The study has evaluated numerous alternatives and potential impacts of providing the additional travel lanes and the DCR includes a preliminary design concept for the recommended improvements. Potential environmental impacts will be documented in an environmental document following the requirements of the National Environmental Policy Act (NEPA). This study is a component of the Maricopa Association of Governments' Regional Transportation Plan Freeway Program. Multiple design alternatives were evaluated and considered for this study.

Recommended Improvements

- Add two general-purpose lanes in the eastbound direction between the I-17 and 7th Avenue
- Add one general-purpose lane in the eastbound direction between 7th Avenue and State Route 51 (SR 51)
- Add one general-purpose lane in the eastbound direction between Tatum Boulevard and Princess Drive
- Add two general-purpose lanes in the westbound direction between I-17 and 7th Avenue
- Add one general-purpose lane in the westbound direction between 7th Avenue and SR 51
- Add one general-purpose lane in the westbound direction between SR 51 and Princess Drive
- Add auxiliary lanes in each direction between 7th Street and Cave Creek Road

Additional alternatives may be considered based on study-related comments and questions received.

The purpose of the Loop 101 (Pima Freeway), I-17 (Black Canyon Freeway) to Princess Drive project is to prepare a Design Concept Report (DCR) and environmental document to evaluate options and select a preferred alternative that meets the goals of the Regional Transportation Plan Freeway Program (RTPFP), satisfies the requirements of the National Environmental Policy Act (NEPA), and obtains public support. The project will provide for the addition of one general-purpose lane in each direction of travel along Loop 101 within the study limits. A Categorical Exclusion (CE) is the anticipated level of environmental documentation. Final design is currently programmed in Fiscal Year (FY) 2022-2023 with construction programmed in FY 2024.

1.1 Design Concept Report and Environmental Study

Public Involvement in the Study phase involves dialogue among the public, stakeholders, and other interested agencies early on to review traffic and noise analysis, structural design, environmental issues, aesthetics, and landscaping. The public, stakeholder, and other interested agencies input received help to guide an agency's Final Design.

1.2 Public Involvement

As part of the Design Concept Report and Environmental Study process, agencies often conduct public information meetings. Three public information meetings were held for this study along the project corridor. ADOT will also hold an additional meeting at the 95 percent milestone to prepare the public for upcoming construction.

2.0 Outreach Efforts

Prior to public information meetings, ADOT Community Relations staff conducted meetings with both the Cities of Phoenix and Scottsdale Public Information Officers (PIOs) to gather local perspectives on their community's needs, as they are in steady communication. Both regional PIOs felt that it was not necessary to create meeting advertisements and material in a language other than English.

3.0 Public Information Meetings

The project team participated in three public information meetings. The goal of these events was to provide an overview of the study, review the recommended improvements and solicit comments from stakeholders. Events included:

Tuesday, Nov. 18, 2014

5:30 to 7:30 p.m. Presentation starts at 6 p.m.

Paradise Valley Community College (Q Building)

18401 N. 32nd Street, Phoenix, AZ 85032

Wednesday, Nov. 19, 2014

5:30 to 7:30 p.m. Presentation starts at 6 p.m.

Deer Valley Community Center

2001 W. Wahalla Lane, Phoenix, AZ 85027

Thursday, Nov. 20, 2014

5:30 to 7:30 p.m. Presentation starts at 6 p.m.

Scottsdale Airport

15000 N. Airport Drive, Scottsdale, AZ 85260

3.1 Business Outreach

The study team developed a business outreach plan designed to foster engagement and build relationships between the impacted business community and ADOT regarding the Loop 101 (Pima Freeway) addition of General Purpose Lane project, and proactively share project details with the cities of Phoenix and Scottsdale business community.

A business database was established with contact information for businesses within 1/2 mile of the Loop 101 and any other businesses identified by the cities of Scottsdale and Phoenix.

A project newsletter was mailed to businesses and residences in the study area the week of October 22, 2014. This newsletter gave an overview and recommended improvements for the study phase. Also included in the mailed newsletter was an invitation to businesses and residences to attend any of the three upcoming information meetings in November. A copy of the newsletter is included in Appendix A.

Project newsletters were also made available to the Greater Phoenix Chamber of Commerce, for notification of the study and upcoming public information meetings. The project mailer was also sent to the City of Scottsdale's PIO for distribution to their local Chamber groups.

Community Relations staff conducted a business walk and delivered project flyers to businesses along the project corridor on November 12, 2014. This business walk provided an additional opportunity to ensure the business community was informed regarding the project and aware of the upcoming public information meetings.

3.2 Public Information Meeting Notification

The study team prepared and distributed a newsletter that provided an announcement of the Design Concept Report and Environmental study for the project and invited the public to attend three public information meetings. The newsletter was mailed the week of October 22, 2014 to over 16,000 property owners, occupants and businesses within the study area. A copy of the newsletter (Appendix A) is

included. An informational flyer was also prepared for distribution to businesses, churches, libraries, and various municipality locations with high visibility. A copy of the informational flier (Appendix B) is included.

3.3 Newspaper Advertisements

Newspaper advertisements providing the date and location of the Design Concept and Environmental Study public information meetings were published in the following newspapers:

- *Deer Valley Times* (10/25)
- *Arizona Republic* (11/5)

Copies of the advertisements can be found in Appendix C.

3.4 News Release and E-Newsletter Notification

ADOT's Public Information Office sent out a press release regarding the study and its upcoming public information meetings on November 5, 2014 to local media outlets. (Appendix D) Community Relations staff also sent out an E-newsletter on November 6, 2014 to over 7,000 recipients. (Appendix E)

3.5 Newsletter Notification

A newsletter was mailed the week of October 22, 2014 to over 16,000 property owners, occupants and businesses within the study area. Electronic copies of the project newsletter were also provided to local community centers and HOAs listed below.

Community Centers:

- Paradise Valley Community Center
- Sunnyslope Community Center
- Devonsihire Senior Center
- Longview Recreation Center
- Mountain View Community Center
- Deer Valley Community Center
- Washington Activity Center
- Desert West Community Center
- Maryvale Community Center
- Goelet Buef Community Center

HOAs:

- Rose Garden Lane
- Moonlight Shadows
- Deer Valley Park Block Watch
- Wickieup Wascals
- Eagle Hills
- Scarlett Canyon
- Peace (People Educated Against Crime Escalation)
- Ross Avenue Ranglers
- Premiere at Cave Creek
- Boulder Mountain
- Rose Garden Estates
- Biker Block Watch
- Fireside @ Desert Ridge
- Desert Valley Estates Block Watch
- Mountain Breeze
- Amber Crest @ Fireside
- Universal Walk of Truth
- Arroyo Rojo Block Watch
- Sequoia Dr. Block Watch
- Moonlight Shadows

A copy of the newsletter can be found in Appendix B.

3.6 Website

The project website was developed and the web address was published on all informational materials. Public meeting information and project details were provided on the website: azdot.gov/loop101widening

3.7 Project Flier

The project team developed a project flier to be delivered directly to local businesses; in order to inform them of the project and upcoming public information meetings. The project flier was delivered to businesses along the project corridor on November 12, 2014.

Copy of the collateral can be found in Appendix B.

4.0 Public Information Meeting Format

Public information meetings began with registration at the door, where attendees were asked to sign in and were provided the project newsletter, if desired. The sign-in sheets were created solely for the purpose of updating the mailing list. An open house then began, where attendees were encouraged to walk around the various stations, view the displays, and ask questions of project staff. A formal presentation was then provided by the project team. After the presentation the open house portion of the meeting resumed until the conclusion of the meeting.

4.1 Open House Stations

A display board was created for topics considered to be of interest to the public. Large roll plots that included the proposed recommended improvements were also on display. The boards provided at the meeting covered the following topics:

- Project Schedule
- Project Area
- Noise

A copy of the display boards provided at the scoping meeting can be found in Appendix D of this report.

4.2 Presentation

The same formal presentation was given to attendees of all three meetings at 6 p.m. The presentation can be found in Appendix E and covered the following topics:

- Project Team
- Project Overview, History, Purpose

- Project Schedule
- Design Concept Report
- Environmental Report
- Evaluation Criteria
- Overview of Recommended Alternative
- Public Outreach

5.0 Public Comment Summary

This section presents a summary of the comments received during the study period. The comments received ranged from issues associated with traffic management, right-of-way, and environmental concerns e.g. noise. Many similar comments were received from multiple commenters. Duplicate comments are summarized here as one comment. Comments were classified into the following categories:

- Right-of-way
- Environmental Concerns (Noise)
- Traffic Management

All comments received were reviewed for the specific issues or recommendations raised by the commenter.

5.1 Summary of Comments

A quantification of comments by issue is provided below in Figure 2 with a summary of issues and responses followed below.

Figure 2: Comments received by topic

Category	Comments Received for this Category*
Right-of-way	6
Environmental Concerns (noise)	12
Traffic Management	10

**Responses may have included more than one issue*

Business Access

There were several comments related to right-of-way acquisition prior to construction. A sample of the comments included:

- Will the access road, formally Beardsley, be affected? I don't want the freeway any closer or the access road compromised. What will happen to the stores there?
- I live near the Loop 101, are you taking my property to expand the freeway?
- Where are the property takes within the project limits?

Environmental Concerns

Most comments were received from individuals in regards to Environmental impacts. A sample of the comments included:

- There is no doubt the 101 between Princess Dr. and I-17 is in need of widening. However, I would appreciate the improvement of sound deflection walls for the hundreds of us who live west of SR 51, north of Union Hills and south of the 101.
- My first concern is noise, as I live close.
- Any noise remediation that can be added would be greatly appreciated by the residents of Phoenix e.g. sound walls of some sort. There is already a lot of traffic noise from Loop 101 (Pima Freeway).

Traffic Management

A sample of the comments related to traffic management included:

- You should seriously consider adding to the transition ramp from the 101 eastbound onto the 51, and the 51 northbound onto the 101 westbound. If you do not do this, the extra traffic that the widening will allow in the 101 is going to majorly bottleneck at the transition ramp. It already does, and it will get worse.
- You should start on the most crowded section first; I-17 to SR 51. The section from SR 51 to Princess receives much less traffic with fewer interchanges.

Appendix A: Public Information Meeting Newsletter

Loop 101 (Pima Freeway) Widening Study: I-17 (Black Canyon Freeway) to Princess Drive

The Arizona Department of Transportation (ADOT) in cooperation with the Federal Highway Administration (FHWA) has initiated a Design Concept Report (DCR) and environmental study to evaluate the addition of one general-purpose travel lane in each direction on a thirteen-mile stretch of Loop 101 (Pima Freeway) from Interstate 17 (I-17) to Princess Drive.

Growing traffic demand has caused the Loop 101 corridor to become increasingly congested during the morning and evening peak travel periods, and traffic volume projections indicate the congestion will worsen in the future. This study will evaluate the addition of general-purpose travel lanes to increase freeway capacity and help alleviate increased levels of traffic congestion in the future.

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Multiple design alternatives were evaluated and considered for this study.

RECOMMENDED IMPROVEMENTS

You are encouraged to provide study related comments and questions so they can be considered by the project team and addressed in the DCR and draft environmental document. The recommended improvements includes the following:

- Add two general-purpose lanes in the eastbound direction between the I-17 and 7th Avenue
- Add one general-purpose lane in the eastbound direction between 7th Avenue and State Route 51 (SR 51)
- Add one general-purpose lane in the eastbound direction between Tatum Boulevard and Princess Drive
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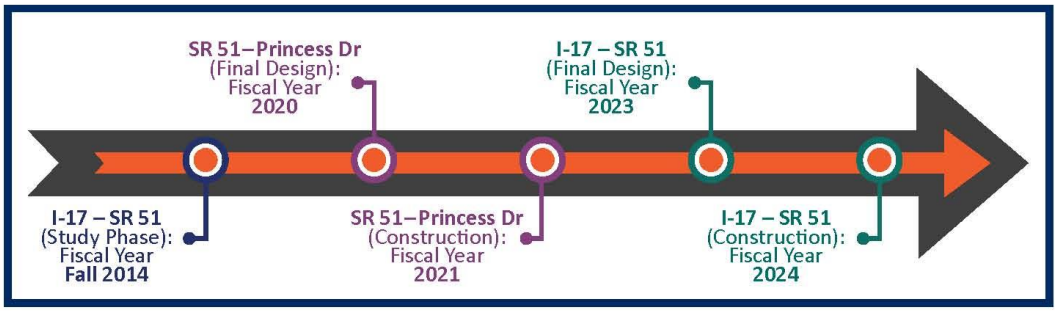
- Add one general-purpose lane in the westbound direction between SR 51 and Princess Drive
- Add auxiliary lanes in each direction between 7th Street and Cave Creek Road

Additional alternatives may be considered based on study-related comments and questions received.

STUDY SCHEDULE (IF APPROVED)



Loop 101 (Pima Freeway) Widening Study: I-17 (Black Canyon Freeway) to Princess Drive

STUDY AREA

PUBLIC INFORMATION MEETINGS

- **Tuesday, Nov. 18, 2014**
  5:30 to 7:30 p.m. Presentation starts at 6 p.m.
  Paradise Valley Community College
  (Q Bldg, Blue Conference Room)
  18401 N. 32nd Street, Phoenix, AZ 85032

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  5:30 to 7:30 p.m. Presentation starts at 6 p.m.
  Deer Valley Community Center
  2001 W. Wahalla Lane, Phoenix, AZ 85027

- **Thursday, Nov. 20, 2014**
  5:30 to 7:30 p.m. Presentation starts at 6 p.m.
  Scottsdale Airport
  15000 N. Airport Drive, Scottsdale, AZ 85260

14-423

ADOT

U.S. Department of Transportation Federal Highway Administration

FOR MORE INFORMATION:
azdot.gov/loop101widening

ADOT PROJECT NO. H8297 01L • FEDERAL AID NO. NH-101-B(BEM)

LOOP 101 (PIMA FREEWAY) WIDENING STUDY: I-17 (BLACK CANYON FREEWAY) TO PRINCESS DRIVE

YOUR INPUT IS IMPORTANT

Submit comments for consideration by Jan. 9, 2015.

Please Print Comments may also be submitted online at **azdot.gov/loop101widening**

Name:_____ Email: _____

Address: _____

City: _____ State: _____ Zip: _____

Comments: _____

Mail: Community Relations • 1655 W. Jackson St. • Mail Drop 126F • Phoenix, AZ 85007
Email: projects@azdot.gov • **Phone:** 855.712.8530

14-423

ADOT

U.S. Department of Transportation Federal Highway Administration

FOR MORE INFORMATION:
azdot.gov/loop101widening

ADOT PROJECT NO. H8297 01L • FEDERAL AID NO. NH-101-B(BEM)

ATTN Community Relations

ARIZONA DEPARTMENT OF TRANSPORTATION
MAIL DROP 126F
1655 W. Jackson St.
PHOENIX AZ 85007

LOOP 101

Loop 101 (Pima Freeway) Widening Study: I-17 (Black Canyon Freeway) to Princess Drive

YOUR INPUT IS IMPORTANT!

Submit comments by Jan. 9, 2015.

Submit comments:

Online: azdot.gov/loop101widening
Mail: c/o ADOT Community Relations:
1655 W. Jackson St., MD 126F
Phoenix, AZ 85007
Email: projects@azdot.gov
Phone: 855.712.8530

Appendix B: Project Flyer

Loop 101 (Pima Freeway) Widening Study: I-17 (Black Canyon Freeway) to Princess Drive

This public information meeting will provide information on the multiple design alternatives that were evaluated and discuss the recommended improvement for the proposed widening of Loop 101 from I-17 to Princess Drive. Please come and give your comments on the proposed widening project.

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FOR MORE INFORMATION:
visit azdot.gov/loop101widening
email projects@azdot.gov or call 855.712.8530

Appendix C: Newspaper Advertisements:

PUBLIC INFORMATION MEETING

Loop 101 from I-17 to Princess Drive

This public information meeting will provide information on the multiple design alternatives that were evaluated and discuss the recommended improvement for the proposed widening of Loop 101 from I-17 to Princess Drive. Please come and give your comments on the proposed widening project.

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Deer Valley Times Oct. 25, 2014

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- Financial aid availability

NVCA

NorthValleyCA.org
For more information contact, Shannon Lauletta, at 623.419.3005 or ShannonL@northvalleyca.org

PUBLIC INFORMATION MEETING
Loop 101 from I-17 to Princess Drive

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14-443

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U.S. Department of Transportation Federal Highway Administration

EDUCATION

MINECRAFT PARENTS:
MODERATION AND INTERACTION KEY

By Dominick Sirianni

As the father of a 7 year old (Connor), I'm used to the waves of childhood obsessions. Thomas the Train became Transformers. Superman, Spiderman, Thor and Iron Man rolled in and out. Posters and toys weren't enough – Connor had to be the character.

Almost a year ago to the day, Connor was messing around with YouTube on my phone and showed me a video. Something called Minecraft Style. I had no idea what it was so I told Connor it looked cool. Little did I know that within a year, Minecraft would be a household word for us.

Like any unnamed character from The Walking Dead, once a child is bitten by Minecraft, they zombify. As a parent, this was scary at first. During the first few months, we pushed back on Connor's requests to download the game. Relenting, we approved the Lite (free) version. Due to good grades at school, we eventually ponied up the eight bucks so he could download the full version.

If you're a Minecraft parent, you need to know these three things:

1) You are far from alone.
2) Minecraft can be fun for adults too.
3) Some educators believe it's a great learning tool.

I've done a lot of research on Minecraft. I've watched my son play. I've played with him. I've watched others play. Some teachers describe Minecraft as Legos for the next generation. I was in 8th grade grade when we got our first computer. I started playing games like SimCity and Civilization. From those games I learned geography, history, planning, systems management and logic.
As parents, my wife and I are managing Connor's Minecraft time. It's a reward when he's good at school. It lets him explore a new environment and figure out how things interact. It's sort of like a gaming version of what we do when we go away to college.

Even with educational activities, moderation is key. Here are three pieces of advice to parents with kids who play Minecraft:

- Make a little time to play together
- Don't go in cold. Spend a few dollars on a Quick Start Guide.
- Watch the YouTube videos of others playing.

Sometimes the language is a little rough but that's when watching it together is a great way for a parent to pick up on the learning opportunities you want to reinforce when you begin playing. DVT

CHAT WITH US! NEWS / BUSINESS / EVENTS / DEERVALLEYTIMES.COM

Arizona Republic Nov. 5, 2014

30

PUBLIC INFORMATION MEETING

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14-443

ADOT

ADOT PROJECT NO. H8297 01L
FEDERAL AID NO. NH-101-B(BEM)

U.S. Department of Transportation Federal Highway Administration

AR-00080101B0-01

Community Living

Z8 | MIDWEEK, 11.05.14

RUSSELL HELWIG TAKING THE LEAD

Slow down and enjoy the holidays

The next few months lead us into the best holidays of the year. If you work right through it, you will miss the chance to renew relationships, and the joy of the season will be gone before you know it.

So, what should you do? You should *stop*, enjoy your family, friends and your fellow teammates. If you tend to be a workaholic, maybe these few thoughts will help you to stop, slow down and unwind.

First, you have to be the person that says enough is enough. You have to talk to yourself and allow yourself to relax. It can feel as though all we do is get up, go to work, go home and go to bed, and we never change gears. Use November and December as a time to look back at all you have done during the year. Reward your achievements and your group's achievements. It is important that you have down time.

Second, do what you can do and do not over-schedule events. So many people are so tired from the holidays that they miss these few days of rest and relaxation. Delegate some of the shopping task; ask for help and block out some days where you just say *no*. You cannot please everyone. Be honest with your family and friends and keep expectations to a minimum. Remember, if you are not in charge of your schedule then everyone else will be.

Last, find one night where you can go outside, find a quiet place and just relax and let yourself rest. Breathe in and then let out the year you have just passed through. Let the coolness of the night refresh your soul, your mind and your spirit. You need this break, enjoy it, and celebrate this season. Happy Holidays to you all.

Reach Russell Helwig at 623-334-1641 or russ@inspireandlead.com. Follow him on twitter @inspireandlead.

Community Classified

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6830 **Public Notices**

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6840 State Agency Public Notices

PUBLIC NOTICE OF THE TOWN OF CAVE CREEK AND ORDER CALLING SPECIAL ELECTION

Notice is hereby given, and it is hereby Ordered, that the Town of Cave Creek will hold a Special Recall Election at the same time as the General Election scheduled for Tuesday, March 10, 2015.
Date of Cave Creek Special Recall Election: Tuesday, March 10, 2015.
Offices to be Filled:
1. Town Council seat currently held by Council Member/Vice Mayor Adam Trenk, whose name will automatically appear on the ballot as a candidate; and
2. Town Council seat currently held by Council Member Reg Monachino, whose name will automatically appear on the ballot as a candidate.
3. Town Council seat currently held by Council Member Charlie Seltzer, whose name will automatically appear on the ballot as a candidate
4. Town Council seat currently held by Council Member Mike Durkin, whose name will automatically appear on the ballot as a candidate.
Procedure and Schedule for Filing of Nominating Petitions by Other Candidates:
Nominating Petitions must be filed separately in opposition to each of the four Council Members subject to recall;
Each opposition candidate may file Nominating Petitions in opposition to only one Council Member, not more than one;
Petitions must be filed no earlier than 90 days prior to the election day--that is, no earlier than WEDNESDAY, DECEMBER 10, 2014; and
Petitions must be filed no later than 60 days prior to the election day--that is, no later than FRIDAY, JANUARY 9, 2015.
For more information, contact Carrie A. Dyrek, Town Clerk of the Town of Cave Creek, at 480-488-6613, Monday through Thursday from 7:00 a.m. - 5:00 p.m.
So Ordered:
CARRIE A. DYREK, Town Clerk
Date: 10-30-2014
Pub: Nov. 5, 7, 2014

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Call 1-877-736-7607 today!

THE ARIZONA REPUBLIC

Requirements – At least 18 years old. Dependable transportation. Valid Arizona driver's license. Current auto insurance.

Appendix D: Press Release

For Immediate Release: Nov. 5, 2014
Contact: ADOT Public Information Office
news@azdot.gov -or- 1.800.949.8057

November public meetings scheduled for Loop 101 widening study in north Phoenix, Scottsdale

Under MAG regional plan, construction planned after 2020

PHOENIX – A series of public information meetings will be held later this month in north Phoenix and Scottsdale for a study of future improvements, including new lanes, along Loop 101 (Pima Freeway) between I-17 and Princess Drive, according to the Arizona Department of Transportation.

Due to limited regional transportation funding, any approved Loop 101 construction is still several years away. Under current Maricopa Association of Governments Regional Transportation Program funding projections, Loop 101 improvements between Princess Drive and State Route 51 (Piestewa Freeway) are scheduled to begin in fiscal year 2021, while construction between SR 51 and I-17 would start in fiscal year 2024.

ADOT is seeking public comments for an initial design and environmental study of the possible Loop 101 improvements. The following meetings will be held to present initial information and receive comments for the study team to review:

- Tuesday, Nov. 18, 5:30 p.m. to 7:30 p.m., at Paradise Valley Community College, 18401 N. 32nd Street, Phoenix (in the Q Building, Blue Conference Room). ADOT presentation starts at 6 p.m.

- Wednesday, Nov. 19, 5:30 p.m. to 7:30 p.m., at Deer Valley Community Center, 2001 W. Wahalla Lane, Phoenix. ADOT presentation starts at 6 p.m.

- Thursday, Nov. 20, 5:30 p.m. to 7:30 p.m., at Scottsdale Municipal Airport, 15000 N. Airport Drive, Scottsdale. ADOT presentation starts at 6 p.m.

Possible Loop 101 improvements to be studied include adding two traffic lanes in each direction between I-17 and Seventh Avenue, one new lane in each direction between Seventh Avenue and SR 51, and one new lane in each direction between Tatum Boulevard and Princess Drive.

The ADOT study will evaluate the proposed improvements projections for increased traffic along Loop 101 in the north Valley over the next two decades. Potential environmental factors, including freeway noise and air quality projections, also will be studied.

The initial design work, known as a Design Concept Report, and environmental study are expected to be completed by spring 2015.

Public comments also can be submitted online at azdot.gov/loop101widening.

Appendix E: E-newsletter

This is a courtesy copy of an email bulletin sent by Felicia Beltran.

This bulletin was sent to the following groups of people:

Subscribers of I-17 Black Canyon Freeway (I-10 to SR 74), Loop 101 Pima Freeway (Loop 202 to I-17), State Route 51 Piestewa Freeway (7404 recipients)

ADOT

SHARE

Loop 101 (Pima Freeway) Widening Study: I-17 (Black Canyon Freeway) to Princess Drive

Public information meetings this month

The Arizona Department of Transportation (ADOT) in cooperation with the Federal Highway Administration (FHWA) has initiated a Design Concept Report (DCR) and environmental study to evaluate the addition of one general-purpose travel lane in each direction on a thirteen-mile stretch of Loop 101 (Pima Freeway) from Interstate 17 to Princess Drive.

The public information meetings will provide information on the multiple design alternatives that were evaluated and discuss the recommended improvement for the proposed widening of Loop 101 from I-17 to Princess Drive. Please come and give your comments on the proposed widening project.

Comments to the widening project must be received by **Jan. 9, 2015** and can be submitted either by attending one of the three pubic information meetings listed below or by one of these methods:

Online: azdot.gov/loop101widening
Mail: c/o ADOT Community Relations:
1655 W. Jackson St., MD 126F
Phoenix, AZ 85007
Email: projects@azdot.gov
Phone: 855.712.8530

Public Information Meetings:

Tuesday, Nov. 18, 2014
5:30 to 7:30 p.m. Presentation starts at 6 p.m.
Paradise Valley Community College

(Q Bldg, Blue Conference Room)
18401 N. 32nd Street, Phoenix, AZ 85032

Wednesday, Nov. 19, 2014
5:30 to 7:30 p.m. Presentation starts at 6 p.m.
Deer Valley Community Center
2001 W. Wahalla Lane, Phoenix, AZ 85027

Thursday, Nov. 20, 2014
5:30 to 7:30 p.m. Presentation starts at 6 p.m.
Scottsdale Airport
15000 N. Airport Drive, Scottsdale, AZ 85260

You are encouraged to provide study related comments so they can be considered by the project team and addressed in the DCR and draft environmental document.

For additional project information visit the project page at azdot.gov/loop101widening, email projects@azdot.gov or call 855.712.8530.

Protect your child and your child's identity with an Arizona Identification Card. An Arizona ID card also makes it easier to enroll in school and activities, travel and get a driver license. Learn more at www.azdot.gov/childID.

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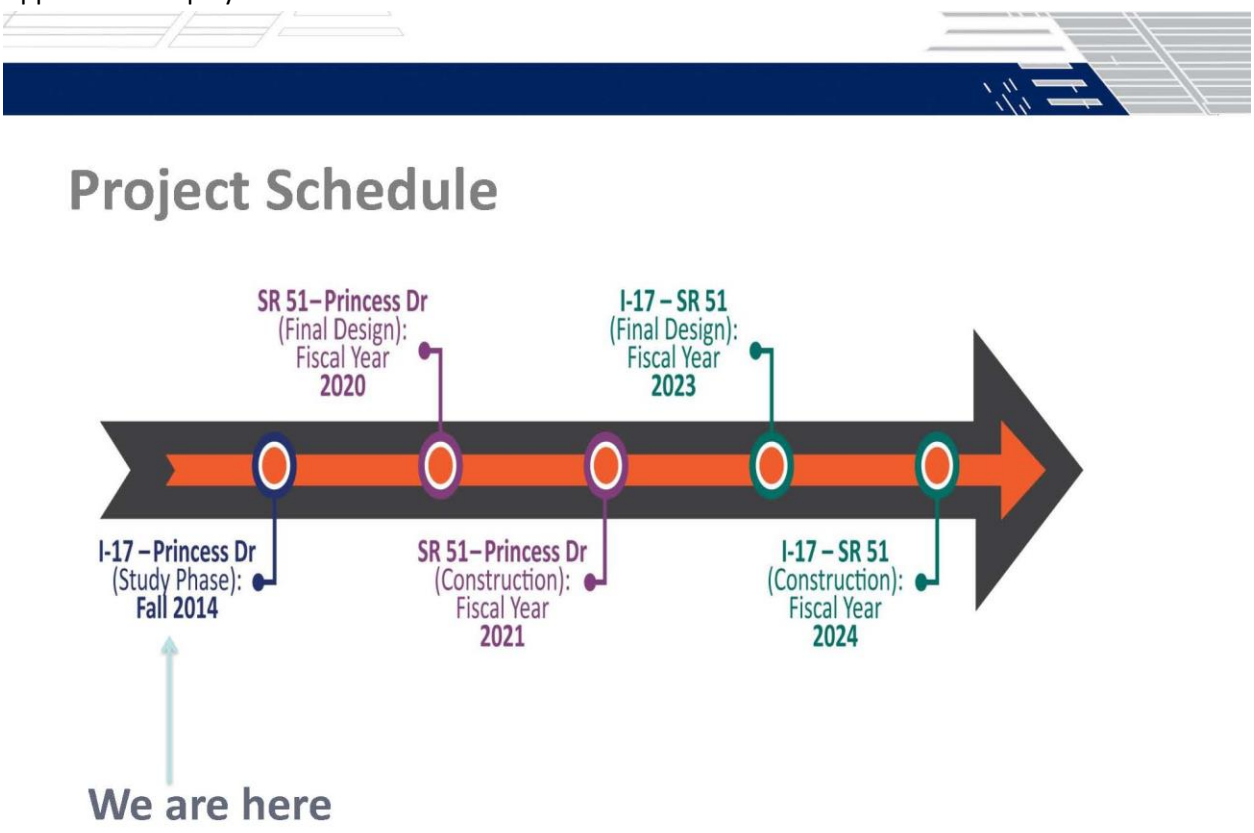
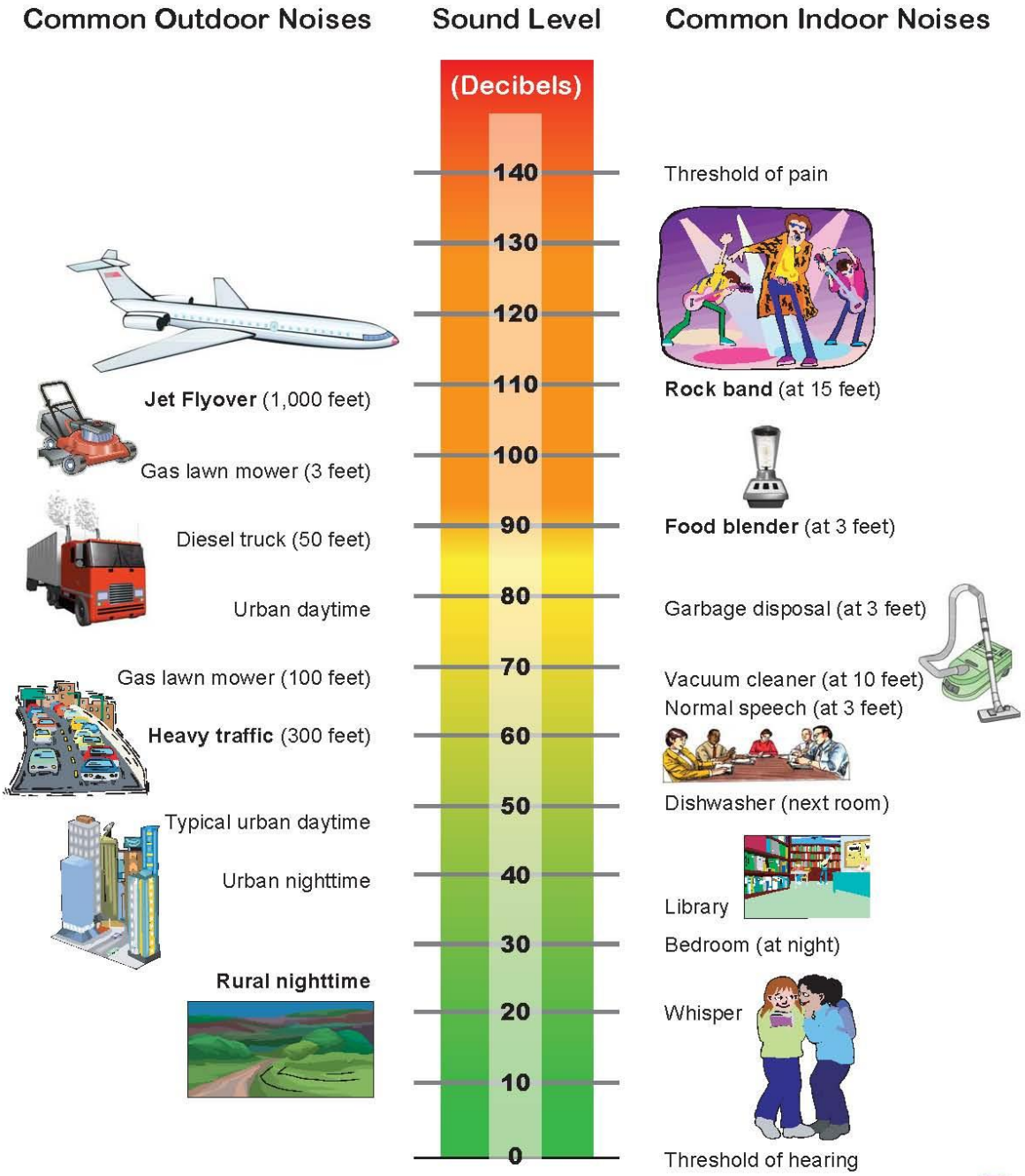
Appendix F: Display Boards



Study Area

LEGEND
Project Area
N
Happy Valley Rd
N 19th Ave
N 7th St
N Cave Creek Rd
E. Deer Valley Rd
Desert Ridge
N Scottsdale Rd
N Hayden Rd
N Pima Rd
Pima Fwy
101
North Scottsdale
Yorkshire Dr
N 15th Ave
N 7th Ave
N 12th St
N 16th St
Union Hills Dr
N Tatum Blvd
Princess Dr
E Bell Rd
E Bell Rd
E Bell Rd
17
51
N 40th St
N 56th St
101
N 35th Ave
E. Greenway Pkwy
Phoenix
N 32th St
Paradise Valley
N Frank Loyd Wright Blvd

Common Indoor and Outdoor Noise Levels



Note: Sound is perceived differently by every individual

Facts about Noise

- Noise is unwanted sound. Noise is perceived differently by every individual. A noise that is irritating to one person may be tolerable to another.
- Noise is measured in decibels on a logarithmic scale.
- An increase of 10 decibels will cause the noise to be perceived as sounding twice as loud to the average listener.
- The smallest change in noise level that can be detected by the human ear is about 3 decibels.
- Doubling the traffic volume on a highway will increase the noise level by 3 decibels.
- The noise level will decrease by about 3 to 4.5 decibels for each doubling of the distance from the source roadway. The amount of decrease depends on the absorptive characteristics of the ground.
- The Arizona Department of Transportation uses a noise level of 64 decibels as the criterion for considering noise barriers, which is lower than the 67 decibels specified in the federal regulations.
- Noise barriers can be noise walls, earth berms or a combination of walls and berms.
- Even with noise barriers, residents within 500 to 1,000 feet of the highway will likely be able to hear the traffic. Barriers are designed to reduce noise to an acceptable or tolerable level. They cannot completely eliminate noise.
- Noise barriers along a highway are most effective for homes within about 300 feet of the highway. Beyond that, noise barriers are less effective, but the natural decrease in noise with distance usually reduces noise levels to acceptable levels.
- Noise walls range in height from 8 to 20 feet, depending on what height is needed to reduce the noise to an acceptable level. Noise walls cost about $250 to $700 per linear foot, depending on the height.
- An earth berm (a large mound of packed dirt usually with landscaping) of a given height will provide slightly more noise reduction than a vertical barrier wall of the same height.
- In some cases, existing dense vegetation can reduce traffic noise levels. Vegetation that is a minimum of 100 feet in depth, at least 15 feet high and dense enough that you cannot see the highway through it, can reduce noise levels by approximately 5 decibels. Typical roadside landscaping does not affect noise levels.
- As a general rule-of-thumb, a noise barrier that is high enough to break the line of sight between the source (traffic) and the receiver (residents) reduces noise by approximately 5 decibels. Each additional foot of height added to the barrier reduces the noise level by another half decibel.

ADOT
September 2008

Appendix G: Presentation

Welcome

- **Introductions**
  - Arizona Department of Transportation (ADOT)
  - Federal Highway Administration (FHWA)
- **Overview of today's meeting**
  - Formal Presentations at 6 p.m.
  - Open House to follow presentations

Title VI Overview

- Title VI is a federal law that prohibits discrimination on the basis of race, color, or national origin in Federally assisted programs & activities.
- The law specifically states:
- "No person in the United States shall on the ground of race, color, or national origin be excluded from participation in, denied the benefits of, or subjected to discrimination under any program or activity receiving Federal financial assistance." (42 USC 200d)
- ADOT's Title VI Policy:
- Assures that no person shall on the grounds of race, color, national origin, gender, age, or disability be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination under any ADOT sponsored program or activity.

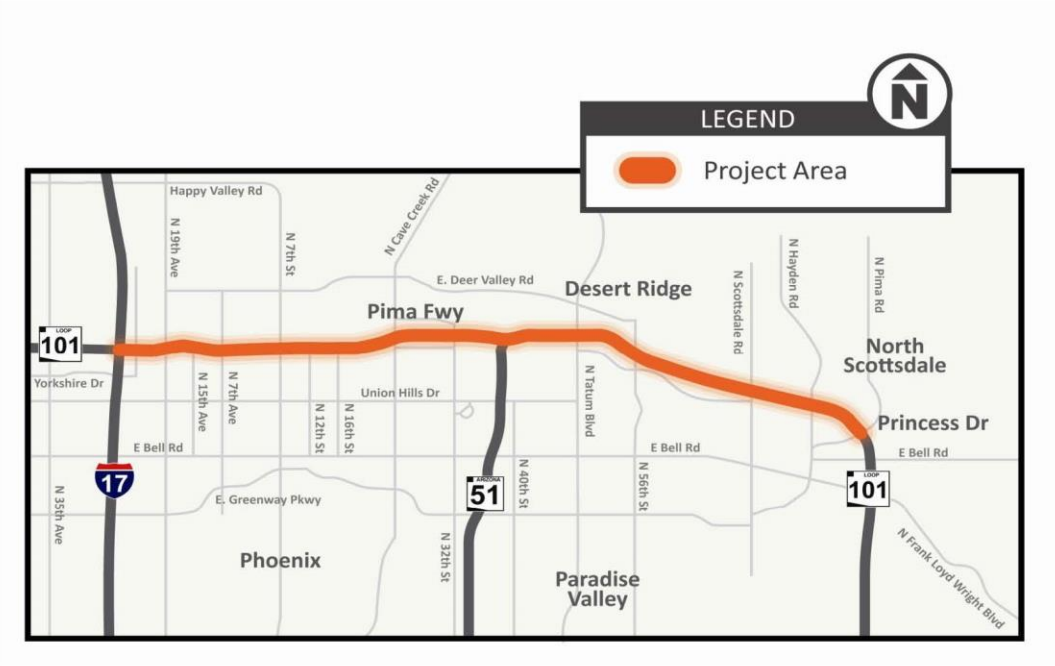
Purpose of tonight's meeting

- **Tonight's meeting will provide:**
  - **An overview of the study**
    - **Design Concept Report (DCR)**
    - **Environmental document**
  - **An overview of the recommended improvements**
  - **Project schedule**
  - **Receive your comments**

Study Limits and Purpose

- Loop 101 (Pima Freeway) from Interstate 17 (I-17) to Princess Drive
- Improve freeway capacity
- Reduce congestion of future traffic volumes
- Implement the Regional Transportation Plan funded by Maricopa County voters with Proposition 400 (November 2004)

Study Area



Project Considerations

- Evaluate the addition of outside general-purpose lanes in the east and westbound directions
- Environment (noise, air quality, etc.)
- Potential for new right-of-way acquisition (goal is to stay within current right-of-way)

Design Concept Report

- Identifies the goals of the project
- Evaluates the existing facility conditions
- Identifies the design criteria for alternatives development
- Defines alternatives evaluation criteria and summarizes the selection process
- Recommends Preferred Alternative
- Documents stakeholder and public input received to be taken into consideration with the decision-making process
- Identifies current project funding, cost estimates and schedule

Design Considerations

- Roadway geometry
- Number of roadway lanes
- Traffic operations
- Drainage
- Bridge structures
- Retaining walls
- Geotechnical considerations
- Pavement
- Right-of-way needs
- Utility impacts
- Traffic striping, signing and lighting
- ITS considerations
- Construction phasing
- Project cost estimates

Environmental Document

- 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 alternatives and associated mitigation measures
  - coordination with agencies and the public
- The environmental analysis for this project will be documented with a Categorical Exclusion (CE)

Environmental Considerations

- Air Quality
- Cultural Resources
- Environmental Justice
- Hazardous Materials
- Historic Properties
- Land Use/Local Planning
- Noise
- Pedestrians and Bicycles
- Property Impacts
- Utility Impacts
- Socioeconomics
- Transportation
- Visual Conditions
- Floodplains/Drainage
- Geology
- Vegetation and wildlife
- Water Quality/ Resources

Alternatives Developed and Evaluated

- No-Build
- Several alternatives evaluated between I-17 and 7th Avenue
  - Lane configurations approaching and departing the I-17/Loop 101 TI
  - With and without 19th Avenue ramps
  - 15th Avenue bridge
- Two alternatives between 7th Avenue and SR 51
- One alternative between SR 51 and Princess Drive

Evaluation Criteria

- Conformance with Regional Transportation Plan
- Traffic operational performance
- Ability to achieve engineering standards
- Right-of-way requirements and utility impacts
- Environmental considerations
- Total estimated project cost
- Agency acceptance
- Public acceptance

Overview of Recommended Alternative

- Adding two general-purpose lanes in the eastbound direction between Interstate 17 (I-17) and 7th Avenue
- Adding one general-purpose lane in the eastbound direction between 7th Avenue and State Route 51 (SR 51)
- Adding one general-purpose lane in the eastbound direction between Tatum Boulevard and Princess Drive
- Adding two general-purpose lanes in the westbound direction between I-17 and 7th Avenue

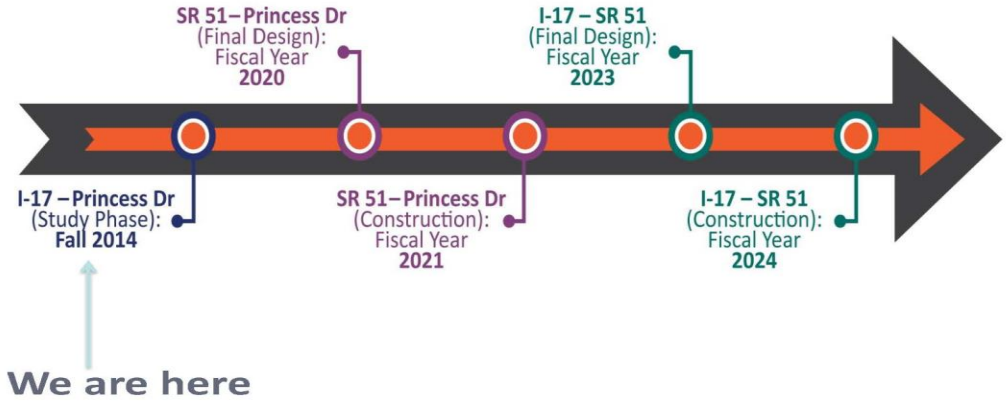
Recommended Alternative (Cont.)

- Adding one general-purpose lane in the westbound direction between 7th Avenue and SR 51
- Adding one general-purpose lane in the westbound direction between SR 51 and Princess Drive
- Adding auxiliary lanes in each direction between 7th Street and Cave Creek Road
- Remove and replace the 15th Avenue bridge
- One lane westbound frontage road between 19th Avenue and 15th Avenue

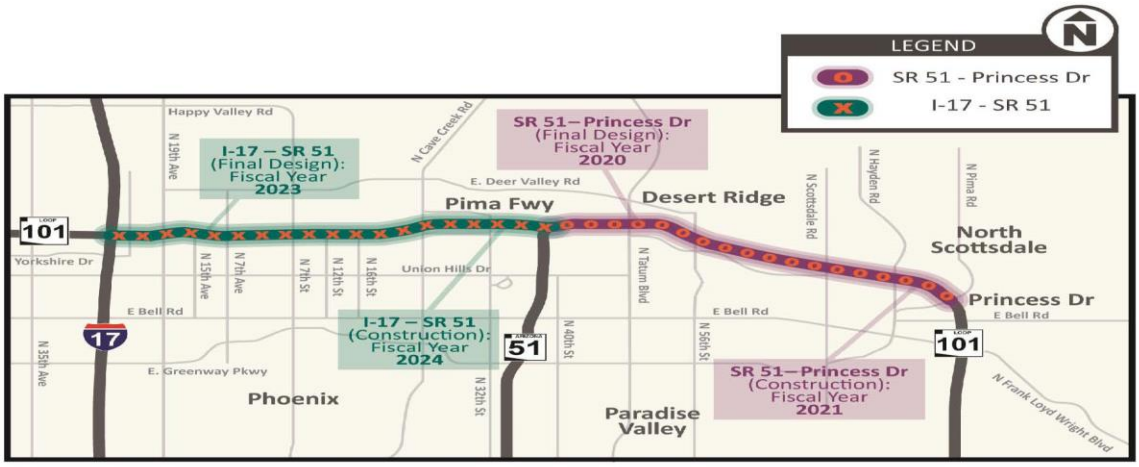
Recommended Alternative (Cont.)

- One lane eastbound frontage road between 15th Avenue and 7th Avenue
- New and relocated noise walls where warranted
- Asphalt-Rubber Pavement Surface

Project Schedule



Final Design and Construction Schedule



Public Outreach for Study Phase

- Three public information meetings
- Mailer sent to addresses within a quarter mile of the project area
- Flyer distribution for City of Phoenix and City of Scottsdale residences, HOAs, businesses, and community centers within the project area
- Business outreach
- Website updates at azdot.gov/loop101widening

Your Input is Important!

Provide comments tonight

- Written comments
- Speak with the project team

Provide comments through January 9, 2015

- Mail in written comments
  - 1655 W. Jackson St., MD 126F
    Phoenix, AZ 85007
- Online at azdot.gov/loop101widening
- Email to projects@azdot.gov
- Call 855.712.8530

Thank you!

Open House will continue until 7:30 p.m. tonight.

For more information:
Website azdot.gov/Loop101widening
email projects@azdot.gov
call 855.712.8530