REGIONAL FREEWAY AND HIGHWAY PROGRAM

Rebalancing

American Society of Highway Engineers
March 14, 2017
Programming

Loop 202/South Mountain project delivery advanced from 2023 to 2019.

- I-17/Happy Valley
- I-10/Fairway
- I-17/ Pinnacle Peak
- L-101, I-17 to Shea Blvd
- I-10/I-17 Spine
- I-10, L-202 to Riggs Rd
- L-303, I-10 to MC-85/SR-30

Time Savings

© 2017, All Rights Reserved.

*For Illustration Purposes Only. Not all projects noted in illustration. Actual sequencing dependent upon project readiness and funding availability.
Programming

Projects currently funded under Proposition 400.

- Loop 202/South Mountain
- Time Savings
- 2017
- I-17/Happy Valley
- I-10/Fairway
- L-101, I-17 to Shea Blvd
- L-10, I-202 to Riggs Rd
- L-303, I-10 to MC-85/SR-30
- I-17/ Pinnacle Peak
- I-10/I-17 Spine
- I-10, US-60 to L-202

*For Illustration Purposes Only. Not all projects noted in illustration. Actual sequencing dependent upon project readiness and funding availability.
Programming

Sequencing and Scheduling Principle:
No distinction between funded Proposition 400 projects and recommended rebalanced projects.

ALL PROJECTS COMPETE FOR ONE RFHP CASH FLOW.

2017

I-17/Fairway
I-17/Happy Valley
I-17/ Pinnacle Peak
L-101, L-17 to Shea Blvd
L-101, US-60 to L-202
L-10/I-17 Spine
I-10, L-202 to Riggs Rd
L-303, I-10 to MC-85/SR-30

2021

I-10/Fairway
L-101, L-17 to Shea Blvd
L-10/I-17 Spine
I-10, L-202 to Riggs Rd
L-303, I-10 to MC-85/SR-30
L-202, I-10 to Gilbert Rd*
L-101, US-60 Grand to I-17*
SR-30 Phase I*
SR-24 Phase I*
L-101, I-10 to US-60 Grand*
I-10, SR-85 to Verrado Way*

2026

L-101, US-60 Grand to I-17*
SR-30 Phase I*
SR-24 Phase I*
L-101, I-10 to US-60 Grand*
I-10, SR-85 to Verrado Way*

*For Illustration Purposes Only. Not all projects noted in illustration. Actual sequencing dependent upon project readiness and funding availability.
Funded Project Starts

- **I-10/Fairway Dr TI**
  - FY 22 → FY 18 (+4 yrs)

- **I-10/Central Ave TI**
  - FY 25 → FY 24 (+6 yrs)

- **I-17/Pinnacle Peak Rd Traffic Interchange**
  - FY 22 → FY 18 (+4 yrs)

- **I-17/Happy Valley Rd Traffic Interchange**
  - FY 22 → FY 18 (+4 yrs)

- **Loop 101, I-17 to SR-51 (GP)**
  - FY 22 → FY 19 (+3 yrs)

- **Loop 101, SR-51 to Pima Rd (GP)**
  - FY 2020

- **Loop 101, Pima Rd to Shea Blvd (GP)**
  - FY 20 → FY 21 (-1 yr)

- **I-10, Sky Harbor West Traffic Interchange**
  - FY 25 → FY 23 (+2 yrs)

- **I-10, I-17 Split to Loop 202 (GP, TI)**
  - FY 2019

- **Loop 101, US-60 to Loop 202 (GP)**
  - FY 2023

- **I-10, Loop 202 to Riggs Rd (GP, HOV)**
  - FY 21 → FY 25 (-4 yrs)

- **Loop 303, MC-85 to I-10 (New Freeway)**
  - FY 23 → FY 20 (+3 yrs)

- **I-17/Happy Valley Rd**
  - FY 22 → FY 18 (+4 yrs)

- **I-17/Camelback Rd TI**
  - FY 22 → FY 20 (+2 yrs)

- **I-17/Indian School Rd TI**
  - FY 22 → FY 24 (-2 yrs)

- **I-17/Indian School Rd TI**
  - FY 22 → FY 24 (-2 yrs)

- **I-17, I-10 Split to Thomas Rd (HOV, TI)**
  - FY 25 → FY 24 (+1 yrs)
Rebalanced Project Starts

- Loop 303, Happy Valley Rd to Lake Pleasant Pkwy (GP)
  - FY 2019
- Loop 101, 75th Ave to I-17 (GP)
  - FY 2021
- US-60/Grand Ave, Greenway Rd to Thunderbird Rd (FR)
  - FY 2018
- Loop 303, Northern Ave to Olive Ave (TI)
  - FY 2022
- US-60/Grand Ave, 35th Ave/Indian School Rd TI
  - FY 2025
- I-10, SR-85 to Verrado Way (GP, TI)
  - FY 2019
- SR-30, Loop 303 to Loop 202
  - ROW FY 2022, Construct FY 2025
- Loop 202, Gilbert Rd to I-10 (GP)
  - FY 2023
- Loop 202/Lindsay Rd TI
  - FY 2021
- Loop 202, Gilbert Rd to SR-24 (HOV)
  - FY 2021
- I-17, North of Anthem Way (GP)
  - FY 2020
- Loop 202, Gilbert Rd to SR-24 (HOV)
  - FY 2021

TI – Traffic Interchange
HOV – Add High Occupancy Vehicle Lane
GP – Add General Purpose Traffic Lane
Recommended RFHP Projects and Schedule

- Fiscal Year of Construction
- Under Construction
- Start by 2022*
- Start after 2022

*Start by 2022* indicates projects expected to begin construction in 2022 or earlier.
Recommended RFHP Projects and Schedule

Fiscal Year of Construction

- Under Construction
- **Start by 2022***
- Start after 2022
Next Steps

- **Funded Projects:**
  
  Will be part of the draft *Transportation Improvement Program (TIP)* and *Regional Transportation Plan (RTP)* for TPC action next month.

- **Rebalanced projects** (e.g., SR-24, SR-30, etc.):
  
  Additional scheduling and financing study to refine project start dates for TPC action this Summer.
### REPRESENTATIVE PROJECTS FOR PRESENTATION PURPOSES ONLY.
Final determination will be made with the fiscally-constrained NextGen Regional Transportation Plan.

#### Arizona SR-30
- Freeway Conversion, SR-85 to Loop 303
- Add Lanes, Loop 303 to Loop 202
- New Freeway, Loop 202 to I-17

#### I-11/Hassayampa
- New Freeway, Interstate 10 to US-93

#### Loop 303
- Add Lanes, SR-30 to Interstate 17

#### Interstate 10/Papago
- Add Lanes, 459th Ave to Verrado Way

#### Arizona SR-85
- Freeway Conversion, I-8 Interchange
- Interstate 8 to Interstate 10

#### SR-238
- Add Lanes, Loop 303 to SR-347

#### SR-347
- Add Lanes, Maricopa to I-10

#### Loop 303
- New Freeway, SR-238 to SR-30

#### US-60/Grand Ave
- COMPASS Improvements

#### Interstate 17
- Add Lanes, Anthem Way to Yavapai County

#### Interstate 10/Interstate 17 Spine
- Add Lanes, Loop 202 to Loop 101

#### SR-24/Gateway
- Meridian Rd to US-60/SR-79

#### Pinal North-South
- New Freeway, SR-287 to US-60

#### SR-79
- Add Lanes, SR-79B (South) to Hunt Hwy

---

© 2017, All Rights Reserved.
Regional Transportation Plan Program

- Interstate 10 – widen between 40th St and Pecos Stack... program amount of $648.5 million.
- Interstate 17 – no project specified; awaiting EIS outcome... program amount of $821.6 million.
- Total RTP Funding of $1.47 billion.
Aging Infrastructure

Four Light Rail Crossings of I-17

Planning for Bicycles and Pedestrians

Issues
Technology
Constrained Corridor
Increasing Demand

Issues
- Improves safety by modernizing interstates to current design standards.
- Add a minimum of one-lane throughout entire corridor.
- Expanded Managed Capacity operation along:
  - Interstate 10, from Interstate 17 to US-60; and
  - Interstate 17, from Interstate 10 Split to Loop 101.
- Improve/reconstruct 24 of the 31 traffic interchanges throughout the corridor.
- Add five DHOV ramps and new interchanges.
- Plan and enhance bicycle/pedestrian connections across the corridor at 20 locations including 9 new structures.
I-10/SR-143/ Broadway Rd Interchange Improvements

Proposed interchange reconstruction to target problem areas.
Interchange Improvements

Example of a Platform Diamond Interchange concept from Redford Township, MI

I-96 (Jefferies Fwy)/US-24 (Telegraph Rd)

(Photo: Bing Maps)
Technology Enhancements

Illustration of connected vehicle and transportation infrastructure technology.

(Photo Source: USDOT Volpe Center, Cambridge MA)
Direct High Occupancy Vehicle (DHOV) Ramp

Example of direct high occupancy vehicle (DHOV) ramp at 3rd Street and I-10.

(Photo source: Google Earth.)
Direct High Occupancy Vehicle (DHOV) Ramp

Example of direct high occupancy vehicle (DHOV) connectors between Loop 202 (Santan Freeway) and I-10.

Photo Source: Google Earth.
Bicycle/Pedestrian Bridge Over Freeway

Example of pedestrian bridge over Loop 101 at 63th Avenue.

(Photo Source: ADOT)
Light Rail Transit Crossing

Valley Metro Light Rail Train undercrossing Loop 202 (Red Mountain Freeway) in Tempe.
Transportation: To What End? Diversify the Economy!
Best Driving Experience in the World – Phoenix

Waze is the world’s largest community-based traffic and navigation app.
REGIONAL FREEWAY AND HIGHWAY PROGRAM

Rebalancing

Bob Hazlett
bhazlett@azmag.gov
602 254-6300