

HIGHLIGHTS OF A  
COMPLETED PROJECT

Fall 2020

LOOP 202

*South Mountain*  
Freeway





## PROJECT HISTORY

What began as the “Southwest Loop Highway” in 1983 turned into the **Loop 202 (South Mountain Freeway)**, which was completed in 2020. The Arizona Department of Transportation, together with the Federal Highway Administration, its agency partners and local and regional stakeholders, **worked through the environmental process for nearly 30 years**. After four years of construction, the freeway provides the much-needed route to connect the East and West Valleys.



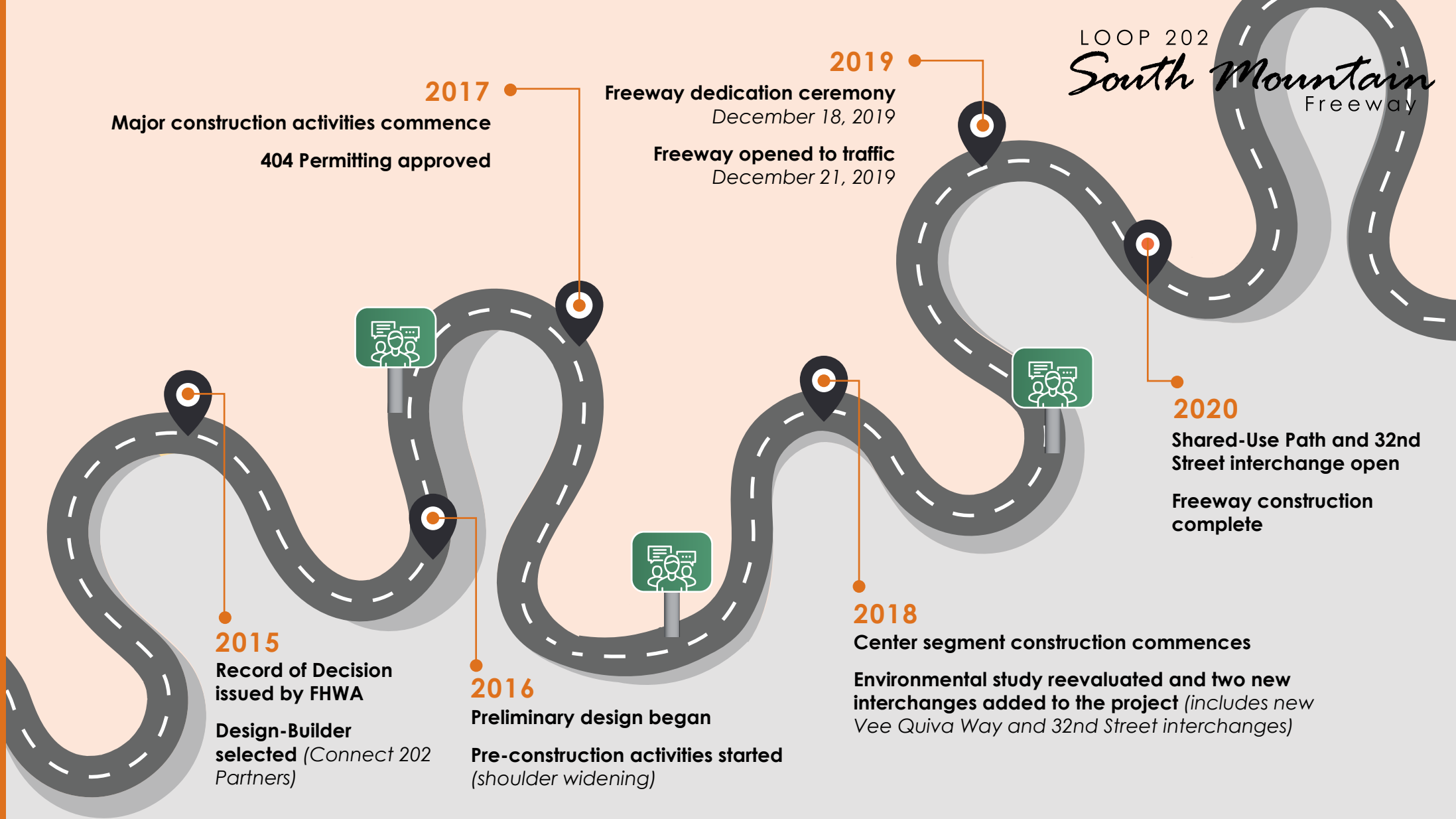


## PROJECT OVERVIEW

The South Mountain Freeway adds **22 miles of freeway to the existing Phoenix metropolitan transportation system**. The freeway provides critical relief to existing freeway corridors and local streets. The South Mountain Freeway is ADOT's largest transportation project in state history. **ADOT partnered with Connect 202 Partners(C202P) to design, build and maintain the freeway for 30 years.** In December of 2019, this historic highway was designated as the Congressman Ed Pastor Freeway to honor the late congressman.

# PROJECT HIGHLIGHTS

## LOOP 202 South Mountain Freeway



Major community meetings

# PROJECT FAST FACTS

## I-10 PAPAGO SEGMENT

- Direct **High Occupancy Vehicle (HOV) ramps** to I-10 East
- **Frontage roads** along 59th Avenue
- **4.5 miles** of widening and improvements to I-10

## SALT RIVER SEGMENT

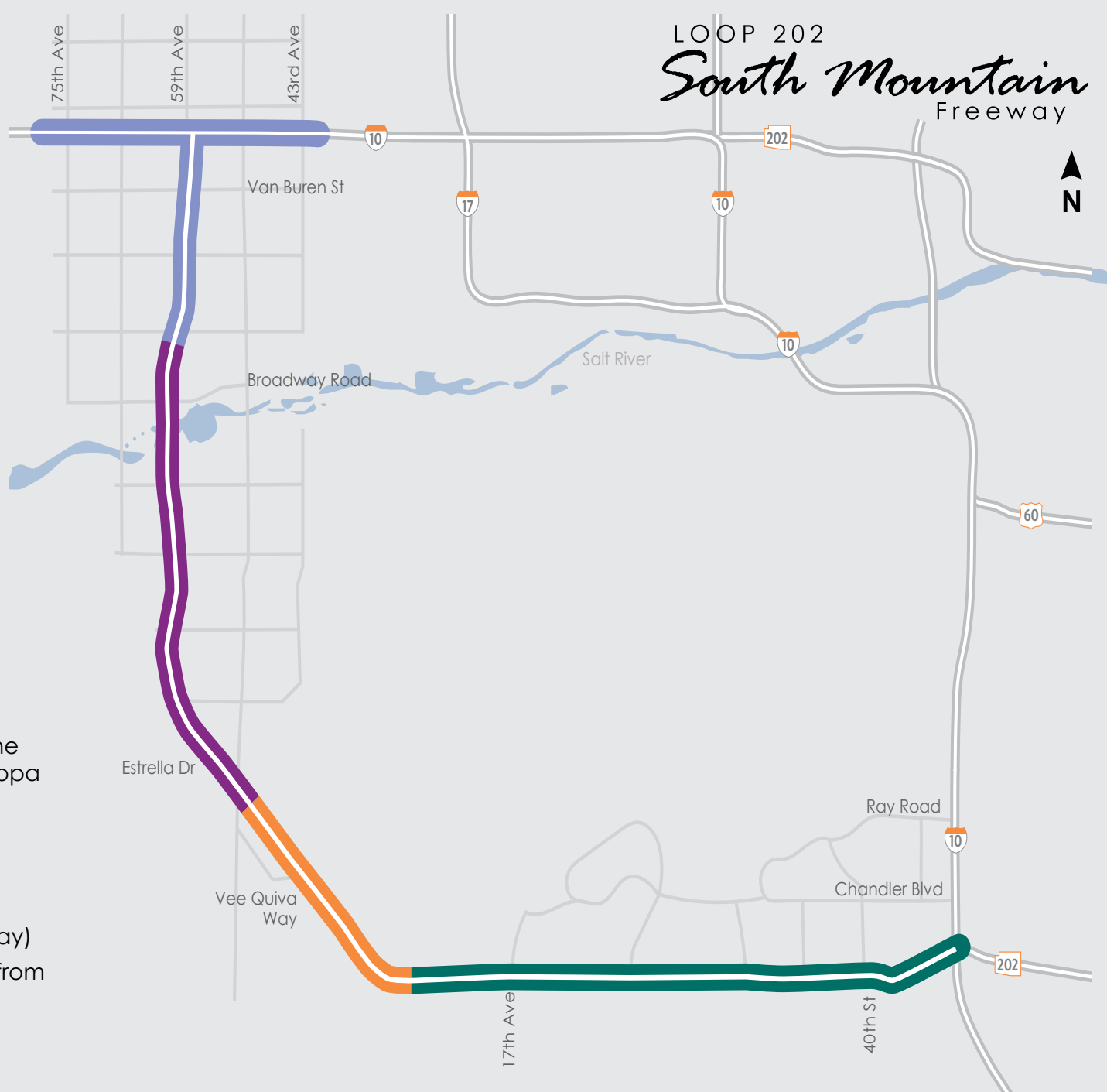
- **Double-roundabout interchange** at Estrella Drive
- **Pedestrian bridge** near Elwood Street north of Broadway Road
- **Two 2,700-foot-long bridges** crossing the Salt River

## CENTER SEGMENT

- **Five multiuse underpass crossings**, providing wildlife and community members with connection points to the mountains and a crossing for a Maricopa County trail

## PECOS SEGMENT

- **HOV ramp** to Loop 202 (Santan Freeway)
- **6-mile, 20-foot-wide shared-use path** from 40th Street to 17th Avenue





## WHAT MADE THIS PROJECT UNIQUE?

### Public-Private Partnership (P3)

ADOT partnered with a private developer (C202P) to design, build and **maintain the freeway for 30 years** through a P3.

The design, build, maintain (DBM) delivery model is an innovative approach used nationwide to reduce the cost to taxpayers without sacrificing quality. The DBM model accelerates construction schedules through concurrent design, right-of-way acquisition and construction activities. For example, the freeway was designed and constructed in four segments. When design plans were finalized for a freeway section, construction began while other portions of the freeway underwent the same process.

The developer must maintain the completed freeway for 30 years. The result is an incentive for the developer to construct the highest-quality project. By using the P3 approach, the South Mountain Freeway was completed **three years earlier than originally planned at a savings of approximately \$100 million.**

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## WHAT MADE THIS PROJECT UNIQUE?

### Shared-Use Path

The shared-use path is an exciting community feature of the South Mountain Freeway project. This **6-mile recreational path** runs along the south side of the freeway between 17th Avenue and 40th Street. The path, which is physically separated from the freeway, **accommodates pedestrians and other non-vehicular users, and will provide important connectivity for bicyclists** as part of the City of Phoenix Comprehensive Bicycle Master Plan.

### Underpass Crossings

The South Mountain Freeway also includes **five multiuse underpass crossings** in the Center Segment, providing wildlife and community members connections to the mountains and other areas.



## WHAT MADE THIS PROJECT UNIQUE?

### Half DDIs

The 22-mile South Mountain Freeway includes **two half diverging diamond interchanges**, commonly known as DDIs. These interchanges, located at Desert Foothills Parkway and 17th Avenue, are **the first of their kind in the state**. A DDI is a simple design innovation that addresses congestion and safety by allowing vehicles to travel more efficiently through an interchange.





## BENEFITS OF A HALF DDI

- **Safety.** DDIs reduce the number of potential conflict points at interchanges by eliminating cross-traffic, left-turn movements.
- **Mobility.** By allowing more cars to move through an interchange, DDIs increase mobility. They also provide an excellent opportunity to integrate multiple modes of travel.
- **Efficiency.** Traffic congestion is reduced by eliminating the left-turn phase from the traffic signal cycle. In addition, half DDIs accommodate more vehicles turning left without adding lanes.
- **Cost Savings.** The cost to construct a DDI is typically less than a traditional diamond interchange. A half DDI often needs fewer lanes to accommodate the same number of vehicles.

[Click to learn more.](#)

# BY THE NUMBERS

**ZERO**  
lost time  
**INCIDENTS**

**974,000**  
tons  
**ASPHALT  
PAVED**

**SET**  
Pre-Cast Girders  
**1,004**

**UTILIZED**  
**37.1M**  
pounds  
**REINFORCING  
STEEL**



**13,545,000**  
cubic yards  
**EARTHWORK  
MOVED**

**156K**  
linear feet  
**drainage pipe  
INSTALLED**

**5,871,000**  
job hours  
**WORKED**

**NEW FREEWAY BUILT**  
**22**  
miles

**35,000**  
**STAKEHOLDERS**  
reached via email  
distribution, special event  
attendance, surveys

**446k**  
square yards  
**CONCRETE PAVED**

**OVER  
1,000**  
**PLANTED  
& SALVAGED**  
native plants

**790k**  
square feet  
Retaining Walls  
**BUILT**

**\$1.7 billion**  
**project  
VALUE**

project  
**20  
20**  
**COMPLETION**



## ENGAGING OUR COMMUNITY

ADOT has been committed to engaging the community throughout the life of the project to inform, educate and collaborate with stakeholders, and ultimately deliver a successful project. Over the years, ADOT has **maintained open communication throughout design and construction** to ensure the public stays informed of activities and the changes that come with them. ADOT and C202P held seven public meetings/open houses, participated in numerous neighborhood association and Village Planning Committee meetings, and **attended nearly 140 community events.**



## REACHING THE COMMUNITY

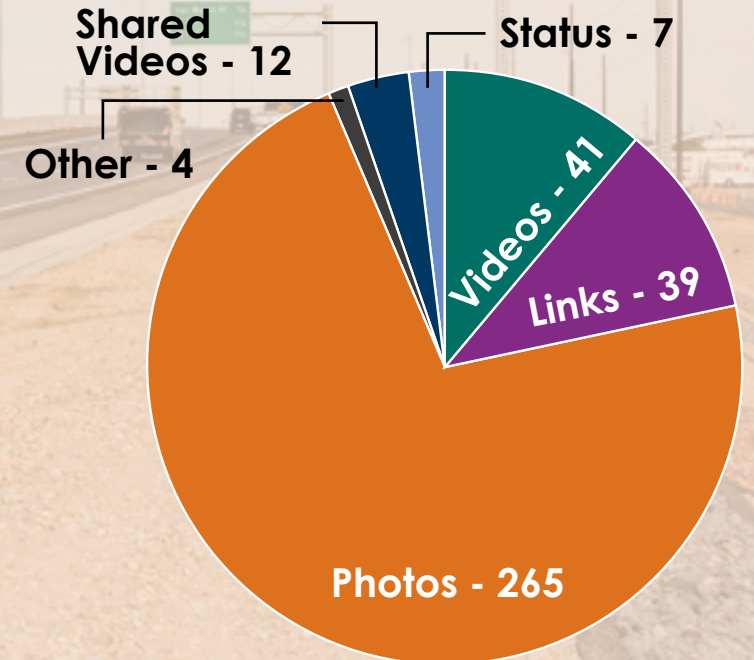


REACHED OVER  
**1 MILLION**  
accounts on  
social networks



**25,000**  
email subscribers

## TYPES OF SOCIAL POSTS



**5.6K**  
Facebook  
Followers

**1.2K**  
Instagram  
Followers



ENGAGED OVER  
**93,000**  
people on social  
networks



OVER  
**45K**  
minutes of videos  
viewed



## WHAT'S NEXT?

As a part of the **P3, C202P will handle all maintenance through 2050**. To ensure quality, C202P will adhere to ADOT's performance standards for the life of the maintenance period.

### MAINTENANCE ACTIVITIES

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Pothole repairs



Signage



Rehabilitation and striping



Weed removal



Graffiti removal



Litter removal



Sweeping



Light replacements

**ADOT**

To stay informed about the South Mountain Freeway, go to [www.SouthMountainFreeway.com](http://www.SouthMountainFreeway.com)

