

I-10 BROADWAY CURVE IMPROVEMENT PROJECT

NEWS from the CURVE

Volume 3 | Issue 1

January 2023

IN THIS ISSUE

- Bridge Construction
- State Route 143 Traffic Shifts
- New 40th Street On-Ramp
- Drilled-Shaft Foundations
- Request a Speaker
- Schedule
- Rideshare and Travel Reduction Programs
- Stay Ahead of the Curve



Crews place the deck for the new Broadway Road bridge over I-10 using a bridge paving machine called a Bid-Well.



Workers spray curing compound on the finished concrete to lock in moisture as the concrete hardens and gains strength.

Welcome to the Curve

Construction continues along the Interstate 10 Broadway Curve Improvement Project

The I-10 Broadway Curve Improvement Project runs along 11 miles of I-10 between the Loop 202 (Santan/South Mountain Freeway) and I-17 near Phoenix Sky Harbor International Airport. Additional work is occurring on approximately one mile of east- and westbound US 60 between I-10 and Hardy Drive and on approximately one mile of north- and southbound State Route 143 between I-10 and the southern end of the SR 143 bridge over the Salt River.

Bridge Construction

During fall 2022, the Broadway Curve Constructors (BCC) completed placing the bridge decks over I-10 at 48th Street and Broadway and Guadalupe roads. The bridge deck is the part vehicles drive across. Then, crews began connecting the new bridges to the existing roadway. Drivers can expect to begin using these new bridges in 2023.

Crews also continued working on the decks of the new westbound US 60 to westbound I-10 ramp, and the new bridge over Southern Avenue for the westbound Collector-Distributor (CD) road.



Arizona Department
of Transportation

[i10BroadwayCurve.com](https://www.i10BroadwayCurve.com)

SR 143 Traffic Shifts

In fall 2022, drivers who use SR 143 noticed some changes. First, drivers on southbound SR 143 began using the “shoofly,” which shifts traffic around a construction zone between University Drive and I-10. The “shoofly” will be in place through early 2023. Drivers need to stay focused while in this work zone, as the speed limit is reduced to 35 mph.

Second, northbound SR 143 drivers began using a new temporary ramp between I-10 and University Drive. These traffic shifts will allow crews to begin building new bridges that will eventually connect SR 143 to I-10.



Workers shifted traffic on SR 143 between I-10 and University Drive to create this work zone.

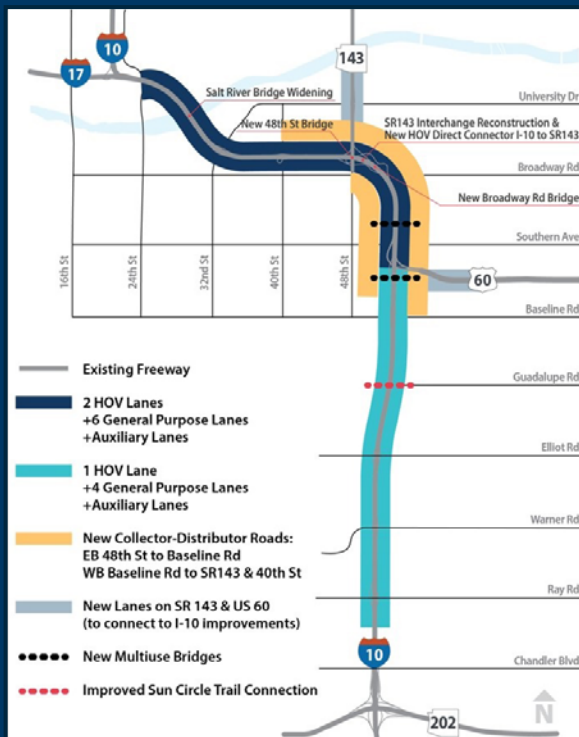
New 40th Street On-Ramp

Drivers who use 40th Street now have a new on-ramp to access eastbound I-10. In September 2022, workers began reconfiguring the eastbound I-10 on-ramp from northbound 40th Street. In early November 2022, workers opened this newly configured on-ramp and permanently closed the loop ramp that drivers who use southbound 40th Street had used to access eastbound I-10. Drivers who use southbound 40th Street now use a new left turn lane to access the new on-ramp to eastbound I-10.



As part of the ramp reconfiguration, crews break up the pavement of the eastbound I-10 on-ramp at northbound 40th Street.

PROJECT OVERVIEW



- Widening I-10 to six general purpose lanes and two high-occupancy vehicle (HOV) lanes in each direction between US 60 and I-17.
- Adding a fourth general purpose lane in each direction between Ray Road and US 60.
- Adding Collector-Distributor (CD) roads parallel to I-10 between Baseline Road and 40th Street to separate through-traffic on I-10 from local traffic entering or exiting the highway.
- Rebuilding the I-10 interchange with SR 143 to improve traffic flow and create direct connections to and from SR 143 for drivers in the I-10 HOV lanes.
- Replacing the Broadway Road bridge and 48th Street bridges over I-10.
- Widening the I-10 bridges over the Salt River.
- Building two bridges for pedestrians and bicyclists over I-10 between Baseline and Broadway roads.
- Improving the Sun Circle Trail Connection at Guadalupe Road.
- Building sound and retaining walls where warranted.



These drilled shafts are 10 feet wide and approximately 70 feet deep.



Drilled-Shaft Foundations

In November 2022, workers began constructing the foundations for the new bridges that will eventually connect SR 143 and I-10. Workers begin by drilling a shaft while another crew ties rebar together. Then, a crew lowers the rebar cage into the drilled shaft. Finally, workers pump concrete into the drilled shaft.



REQUEST A SPEAKER

Interested in having a project team member present information to your group, organization or event? Speakers can provide updates and information at virtual or in-person meetings and events.

SUBMIT YOUR REQUEST:
VISIT: i10BroadwayCurve.com/contact/
CALL: 602.501.5505
EMAIL: Info@i10BroadwayCurve.com

2021-2024 DESIGN AND CONSTRUCTION SCHEDULE*

PHASE 1 Spring 2021 – Mid-2022	PHASE 2 Mid-2022 – Late 2023	PHASE 3 Late 2023 – Summer 2024	PHASE 4 Summer 2024 – Late 2024
<ul style="list-style-type: none">Remove pavement.Establish work zones.Coordinate utility relocations.Make roadway improvements including new barrier, drainage and signs.Begin construction of the bridges at 48th Street and at Broadway Road.Install new lighting.	<ul style="list-style-type: none">Coordinate utility relocations.Make roadway improvements including new barrier, drainage and signs.Reconfigure ramps.Construct new walls.Begin CD road construction.Widen roadway and bridges.Construct new bridges, including the US 60 and SR 143 to I-10 bridges.Complete construction of bridges at 48th Street and at Broadway Road.	<ul style="list-style-type: none">Complete CD roads.Build SR 143 to I-10 direct connections.Complete bridge construction, including US 60 to I-10 bridges.Make roadway improvements including new barrier, drainage and signs.Widen roadway and bridges.	<ul style="list-style-type: none">Finalize lighting.Finalize signage.Install landscaping.Install final roadway surface.Add striping.Complete project.

**schedule is subject to change*



I-10 BROADWAY CURVE IMPROVEMENT PROJECT

Rideshare and Travel-Reduction Programs



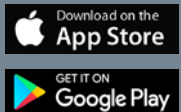
Never taken transit before? Now's the time to start! If you're worried about driving through Broadway Curve construction, get a ride with Valley Metro's bus or light rail system. Taking transit saves you gas money, and getting out of traffic will reduce your stress and speed up your commute. It's also easier than ever thanks to the new Valley Metro App, which plans trips for you and displays the location of your bus or train in real time. Learn more and download the app at valleymetro.org/app.

Valley Metro Commute Solutions works with Valley employers to implement and promote Travel-Reduction Programs that take more vehicles off the roads. When people vanpool, carpool, walk, bike, telework or work compressed workweek schedules, they reduce traffic congestion and improve air quality. To find a carpool partner visit ShareTheRide.com, Valley Metro's free and secure online ride matching service. Employers looking to reduce the impact their operations have on Valley roadways can call **Valley Metro's Travel Reduction Program** at **602.262.7433**.

Ridesharing and travel-reduction programs will help you *stay ahead of the curve!*

Sign up to receive traffic alerts and updates: i10BroadwayCurve.com

STAY AHEAD OF THE CURVE



Stay **#AheadOfTheCurve** and download the free mobile app, **The Curve!**

Need a computer or internet so you can **#StayAheadOfTheCurve?**

Cox Connect2Compete program offers low-cost options for those who qualify. Call 855.222.3252 or go to <http://rb.gy/prck2e>



VISIT OR WRITE:

3157 E. Elwood St., Suite 100, Phoenix, AZ 85034
The Community Office is open during regular business hours, 8 a.m. to 5 p.m., Monday – Friday (except for holidays).



BILINGUAL PROJECT INFORMATION LINE: 602.501.5505



EMAIL: Info@i10BroadwayCurve.com



ONLINE: i10BroadwayCurve.com



i10BroadwayCurve.com



Arizona Department
of Transportation

ADOT Project No. 010 MA 149 F007201C
Federal Aid No. 010-C(220)T