

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Project Overview

Project Description	This project will repave (mill and overlay) 1 mile of Chandler Boulevard between Price Road and Dobson Road. Additionally, the City will make ADA improvements on sidewalks, curb ramps and driveways. The City will conduct a Roadway Safety Assessment and will implement feasible recommendations.
Project Type	RoadwayRehabilitation
Project Phases	Scoping Design Construction
Project Location	

Project Details

Project Limits	Chandler Boulevard: Price Road to Dobson Road
Project Length (in miles)	1
Posted Speed Limit (MPH)	45
Number of Travel Lanes	3
Roadway surface condition	This roadway surface is in poor condition. Approximately 18 months ago, it had a PQI rating of 54.9 and an SDI rating of 62.8, and has only gotten worse since then. The segment between Ellis St. and Coronado St. is in particularly bad condition with a December 2023 PQI score of 50.1 and SDI of 56.7. Additionally, the RCI rating for this corridor was 56.1 in 2023, indicating a rough surface. Pavement cracking and potholes throughout the corridor not only make for a rough ride, but they also diminish lane visibility and decrease roadway safety.

Scoping

Project Scoping	The City has done an ADA analysis on the corridor to determine ADA improvements required. More scoping will be conducted after the RSA is completed.
-----------------	--

Design

Project Design	This will be conducted prior to construction.
----------------	---

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Design

Road Safety Assessment (RSA)

An RSA will be conducted prior to finalizing design.

In preparing for this project, we have analyzed crash data and found that crashes, particularly crashes with injuries and fatalities have been increasing over the past five years.

This data and other factors will be analyzed in more detail in developing the RSA for this corridor.

Environmental

Environmental Impact

None

Environmental Clearance Process or Issues

Right of Way

Right of Way Status

Agency Owns All ROW needed

Right of Way Acquisition Plan or Issues

Utilities

Utilities Impact

None

Utilities Relocation Plan or Issues

Construction Phase Only

Safety Considerations

An RSA will be conducted and will identify recommendations for safety improvements that will be incorporated into the project design as feasible.

Pavement Conditions

Agency Provided Pavement Rating

54.9

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Pavement Conditions

Name or Description of Rating System Used - e.g. PCI, PSR, etc..	PQI
Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	1 to 100 with 100 being the best condition
Date of Rating	12/01/2023
Rating	54.9
Pavement Roughness	RCI rating of 56.1 in December 2023.

Qualitative Factors

Alignment with ARRP Goals	This project will greatly enhance roadway safety by providing a well-maintained roadway surface. The pavement condition is among the worst in Chandler with a PQI score as low as 50 in some segments and an overall average of 54.9. Additionally, an RSA will be conducted to help determine any other safety measures that can be incorporated. As with any Chandler mill and overlay project, the city will make ADA improvements to curb ramps, driveways and sidewalks in the corridor to enhance accessibility and improve pedestrian infrastructure in general. Additionally, Chandler has a robust streets maintenance program that will help to ensure that this important regional asset will be kept in great condition over time. Chandler performs regular crack seals and slurry seals on its streets, which help stretch the lifespan of the street and drastically increase the time between roadway reconstructions. Finally, Chandler is a Certified Agency, and, if awarded federal funding, will be able to manage this project in house, resulting in quicker delivery of design and construction.
Unique Attributes	With an average daily traffic count near 40,000 (39,800 in February 2025), this is a highly-trafficked roadway that provides an important connection to Loop 101. There is a significant amount of commercial traffic in addition to through traffic accessing the freeway. It also has a high normalized serious and fatal crash rate of 3.9. Chandler Boulevard is also an important transit corridor, with high-frequency bus service in peak hours and standard 30-minute service throughout the rest of the day. Chandler Boulevard is one of three corridors that the city designates as a high-capacity transit corridor for planning purposes.

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Qualitative Factors

Safety Data and Considerations	Accompanying this project will be an educational campaign for bicycle safety. The City has 8 bus stops in this corridor and can use bus stop advertising to promote awareness and respect for bicyclists in the corridor, which can accompany other outreach methods like social media. Additionally, green pavement markings can be added to create more visual awareness of the space designated for bicyclists. Furthermore, the RSA will identify additional safety improvements that may be able to be implemented.
Community Outreach	The city's 2025-26 budget survey asked residents to priority rank various Chandler programs. Residents rated additional street maintenance activities as the fifth most important city program to fund. This particular corridor has received repaving requests from Chandler residents. Additionally, the Chandler Mayor has provided a letter of support for the project.
Community Outreach Plans	

Signature

Signature	Ryan Peters
Signed Date	5/1/2025 2:40:46 PM
Signed User	ryan.peters@chandleraz.gov, Ryan Peters

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Cost Estimate

Total: (\$4,421,060.00 Federal / Local)

Design

\$250,000.00 (\$175,000.00 Federal / \$75,000.00 Local)

Preliminary Engineering/Scoping

Description	Quantity	Unit	Cost	Total Cost	Fed?	Federal	Local
Design Concept Report (DCR)	1	LS	\$15,000.00	\$15,000.00	Yes	\$10,500.00	\$4,500.00
Federal Project Environmental Determination	1	LS	\$20,000.00	\$20,000.00	Yes	\$14,000.00	\$6,000.00
HAZMAT Assessment	1	LS	\$10,000.00	\$10,000.00	Yes	\$7,000.00	\$3,000.00
Topographic Survey	1	LS	\$20,000.00	\$20,000.00	Yes	\$14,000.00	\$6,000.00
				\$65,000.00		\$45,500.00	\$19,500.00

Final Design

Description	Quantity	Unit	Cost	Total Cost	Fed?	Federal	Local
Drainage Report	1	LS	\$10,000.00	\$10,000.00	Yes	\$7,000.00	\$3,000.00
Geotechnical Report	1	LS	\$15,000.00	\$15,000.00	Yes	\$10,500.00	\$4,500.00
Plans, Specifications, Cost Estimates, Bidding	1	LS	\$150,000.00	\$150,000.00	Yes	\$105,000.00	\$45,000.00
SWPPP	1	LS	\$10,000.00	\$10,000.00	Yes	\$7,000.00	\$3,000.00
				\$185,000.00		\$129,500.00	\$55,500.00

Construction

\$6,065,800.00 (\$4,246,060.00 Federal / \$1,819,740.00 Local)

Construction

Description	Quantity	Unit	Cost	Total Cost	Fed?	Federal	Local
Base and Surface Treatment - Aggregate Base	4,000	SY	\$120.00	\$480,000.00	Yes	\$336,000.00	\$144,000.00
Base and Surface Treatment - Pavement Surface	53,000	SY	\$32.00	\$1,696,000.00	Yes	\$1,187,200.00	\$508,800.00

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Cost Estimate

Total: (\$4,421,060.00 Federal / Local)

Construction

\$6,065,800.00 (\$4,246,060.00 Federal / \$1,819,740.00 Local)

Drainage	1	LS	\$100,000.00	\$100,000.00	Yes	\$70,000.00	\$30,000.00
Earthwork - Clearing and Removal	1	LS	\$150,000.00	\$150,000.00	Yes	\$105,000.00	\$45,000.00
Earthwork - Ecavation	800	CY	\$150.00	\$120,000.00	Yes	\$84,000.00	\$36,000.00
Incidentals - ADA Improvements	1	LS	\$150,000.00	\$150,000.00	Yes	\$105,000.00	\$45,000.00
Incidentals - Roadway Appurtenances	1	LS	\$100,000.00	\$100,000.00	Yes	\$70,000.00	\$30,000.00
Incidentals - Sidewalks	1,500	SY	\$120.00	\$180,000.00	Yes	\$126,000.00	\$54,000.00
Other	1	LS	\$175,000.00	\$175,000.00	Yes	\$122,500.00	\$52,500.00
Roadside Development	1	LS	\$150,000.00	\$150,000.00	Yes	\$105,000.00	\$45,000.00
Traffic Engineering - ITS	1	MILE	\$80,000.00	\$80,000.00	Yes	\$56,000.00	\$24,000.00
Traffic Engineering - Lighting	1	MILE	\$750,000.00	\$750,000.00	Yes	\$525,000.00	\$225,000.00
Traffic Engineering - Pavement Markings	6	LAN E-MILE	\$20,000.00	\$120,000.00	Yes	\$84,000.00	\$36,000.00
Traffic Engineering - Signage	1	MILE	\$40,000.00	\$40,000.00	Yes	\$28,000.00	\$12,000.00
				\$4,291,000.00		\$3,003,700.00	\$1,287,300.00

Mobilization and Administration Costs

Description	Quantity	Unit	Cost	Total Cost	Fed?	Federal	Local
Construction Administration	1	%	\$788,800.00	\$788,800.00	Yes	\$552,160.00	\$236,640.00
Construction Contingencies	1	%	\$394,400.00	\$394,400.00	Yes	\$276,080.00	\$118,320.00
Mobilization	1	%	\$197,200.00	\$197,200.00	Yes	\$138,040.00	\$59,160.00

Application: CHN-26-ARRP-002, Chandler Boulevard: Price Rd. to Dobson Rd.

Cost Estimate

Total: (\$4,421,060.00 Federal / Local)

Construction

\$6,065,800.00 (\$4,246,060.00 Federal / \$1,819,740.00 Local)

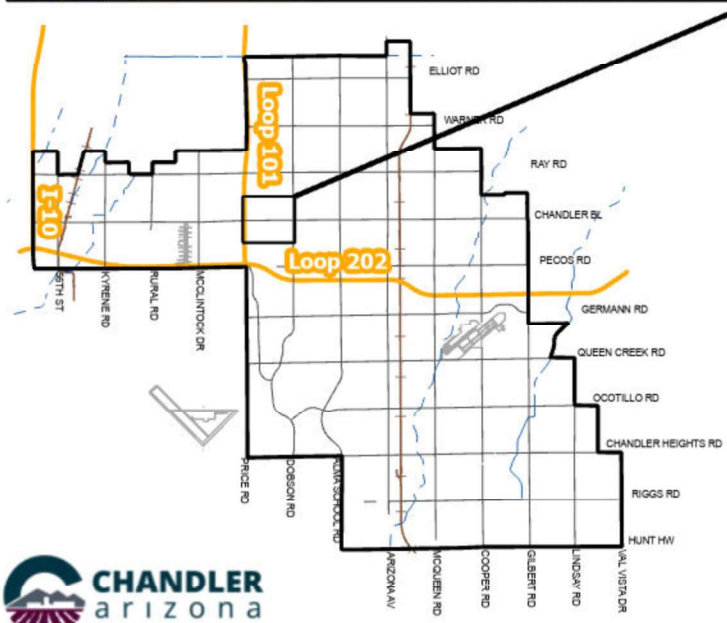
Post-Design Services	1	%	\$78,880.00	\$78,880.00	Yes	\$55,216.00	\$23,664.00
Traffic Control	1	%	\$315,520.00	\$315,520.00	Yes	\$220,864.00	\$94,656.00
				\$1,774,800.00		\$1,242,360.00	\$532,440.00

ADOT Review Fee

(not eligible for federal aid)

Certified accepted by ADOT for construction: No

Line Item	Agency Type	Rate	Hours	Total



Arterial Rehabilitation and Reconstruction Program

Project Area 