

Proposed Conditions Report

MOBILITY AREA 1



PREPARED FOR

City of Phoenix

PREPARED BY

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Proposed Conditions Report

South Downtown Neighborhoods (Mobility Area 1)

Mobility Area

Study Area

T2050 Mobility Assessment Study Area 1, South Downtown Neighborhoods, is a 0.9 square mile area bounded by 7th Avenue on the west, 3rd Street on the east, Lincoln Street on the north, and Watkins Street on the south.

Current Conditions

Currently, there are bus routes within the study area along 7th Avenue, Central Avenue, and Buckeye Road. The South Central Light Rail Extension is scheduled to be constructed along Central Avenue from the existing Valley Metro Light Rail system to Baseline Road.

Currently, there are several gaps in the existing sidewalk system at key locations throughout the study area that impede mobility between key destinations and key transit corridors. In addition to gaps in the sidewalk system, there are many locations where existing curb ramps and driveways do not meet current standards.

The City of Phoenix Master Bike Plan identifies Central Avenue, Pima Street, Mohave Street, and 3rd Street as bike ways. There are gaps in these bikeways within the study area.

Purpose and Need

Stakeholders within the study area have requested improvements to provide shade and landscaping throughout the study area where possible, and to improve existing lighting within the study area to fill in the dark areas where needed. Stakeholders have also identified locations to provide safe crossings of major arterials. Alternatives for safe crossings include high-visibility crosswalks and HAWK beacons.

The proposed solutions include new sidewalk, reconstructed sidewalk, new curb ramps, and reconstructed curb ramps and driveways to complete the sidewalk system and make it accessible. The solutions also include new bike lanes in locations where there are gaps in the existing bikeway network, and signal improvements to include HAWK beacons, high-visibility cross walks and new pedestrian push buttons, to enhance pedestrian and bicycle safety within the study area. Locations to plant trees for shade and enhanced lighting have been identified. These improvements are expected to enhance safety, mobility and connectivity within the study area.

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Photo 1 – Area 1



Photo 2 - Area 1



Photo 3 - Area 1



Photo 4 - Area 1



Draft Recommendations

Potential improvements within the study area have been developed and divided into projects based on project type and geographic locations. Projects have been identified by category, see Table 1 - Project Categories.

Table 1 - Project Categories

Category	Identification
Sidewalk Improvements	S#
ADA Improvements	A#
Bike Lane Improvements	B#
Traffic Signals (HAWK)	TS#
Multi-Use Path & Bike Lane	P#

Sidewalk improvement projects

Sidewalk improvement projects are listed in Table 2 - Sidewalk Improvements. The individual sidewalk projects have been divided into specific areas or districts. The projects are shown on Map 1 - Sidewalk Improvements. Sidewalk improvements shall include the installation of new sidewalk to eliminate gaps in the existing sidewalk system and sidewalk reconstruction for compliance with current standards. In some locations, roadway improvements will be required to construct the new sidewalk. Roadway improvements will include new asphalt pavement, curb and gutter and drainage facilities. The planting of trees and low maintenance landscaping have been identified in select locations.

Table 2 - Sidewalk Improvements

Sidewalk Improvement Projects	
S1	1 st Avenue Sidewalk Improvements
S2	Durango Street Sidewalk Improvements
S3	Pima Street Sidewalk Improvements
S4	Apache Street Sidewalk Improvements
S5	Buckeye Road Sidewalk Improvements
S6	Watkins Street Sidewalk Improvements

Curb Ramp and Driveway Improvement projects

Projects to improve curb ramps and driveways to meet current standards are listed in Table 3 – Curb Ramp and Driveway Improvements. The individual projects have been divided into specific areas or districts. The projects are shown on Map 2 – Curb Ramp and Driveway Improvements. Improvements include reconstruction of curb ramps and driveways where necessary to meet current standards to provide a continuous sidewalk system that is accessible for all user. In some locations, improvements will require relocation of existing utility poles located in the sidewalk.

ADA References:

United States Access Board - Transportation

<https://www.access-board.gov/guidelines-and-standards/transportation/facilities/ada-standards-for-transportation-facilities>

United States Access Board – Public Right of Ways

<https://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way>

United States Department of Justice

<https://www.ada.gov/>

Table 3 – Curb Ramp and Driveway Improvements
Curb Ramp and Driveway Improvement Projects

A1	7 th Avenue Curb ramp and Driveway Improvements
A2	Grant Park Curb Ramp and Driveway Improvements
A3	Central Park Curb Ramp and Driveway Improvements
A4	Marcos de Niza Curb Ramp and Driveway Improvements

Bicycle Improvement projects

Bicycle Improvement projects are listed in Table 4 – Bike Lane Improvements. The individual bike lane improvement projects have been specified by street. The projects are shown on Map 3 - Bicycle Improvements.

Bicycle improvements include removal of existing striping, installation of new striping, pavement markings, and signage to provide bike lanes or shared use lanes. In some locations, improvements include curb extensions at intersections and speed tables to provide traffic calming.

Table 4 – Bike Lane Improvements

Bike Lane Improvement Projects	
B1	7 th Avenue Bike Lane Improvements
B2	Hadley Street Bike Lane Improvements
B3	Pima Street and Mohave Street Bike Lane Improvements
B4	Lincoln Street Bike Lane Improvements
P1	3 rd Street Bike Lane and Multi-Use Path Improvements

Street Light improvements

Street light Improvements are included in other projects as shown in Table No. 5 – Proposed Street Lighting Improvements. Improvements shall include installation of new street light poles and associated appurtenances.

Table 5 – Street Lighting Improvements

Project	Number of Street Lights
S2 – Durango Street Sidewalk Improvements	4
B2 – Hadley Street Bike Lane and Safety Improvements	6
P1 – 3 rd Street Bike Lane and Multi-Use Path Improvements	12

Transit

Bus stops within the study area were found to be assessible and meet current standards, therefore no proposed transit stop improvements were identified in the study. However, various bus stop locations within the study area are missing benches and/or shelters. The bus stop locations are shown on Map 5 – Other Improvements. The installation of shelters and benches will be funded as part of other transit improvement projects.

Traffic Signal improvements

Traffic signal improvements are listed in Table 6 - Traffic Signal Improvements. The projects are shown on Map 5 – Street Lighting Improvements include installation of High Intensity Activated Crosswalk (HAWK) beacons, high-visibility cross walks and signage at various locations. The proposed improvements to install HAWK beacons at the locations specified resulted from stakeholder and public comments. Each location requires further evaluation and analysis.

Table 6 - Traffic Signal Improvements

Traffic Signal Improvement Projects	
TS1	7 th Avenue / Hadley Street HAWK Beacon
TS2	Buckeye Road / 3 rd Street HAWK Beacon
TS3	Pima Street / 7 th Street HAWK Beacon
TS4	Buckeye Road / 5th Avenue HAWK Beacon

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Trees / Shade

Proposed improvements in the study area do not include separate projects to provide trees or shade. Trees to provide shade are included in four separate projects as shown in Table 7 – Proposed Trees. The four projects include Buckeye Road Sidewalk Improvements, Watkins Road Sidewalk Improvements, Hadley Street Bicycle Improvements and 3rd Street Multi-use Path.

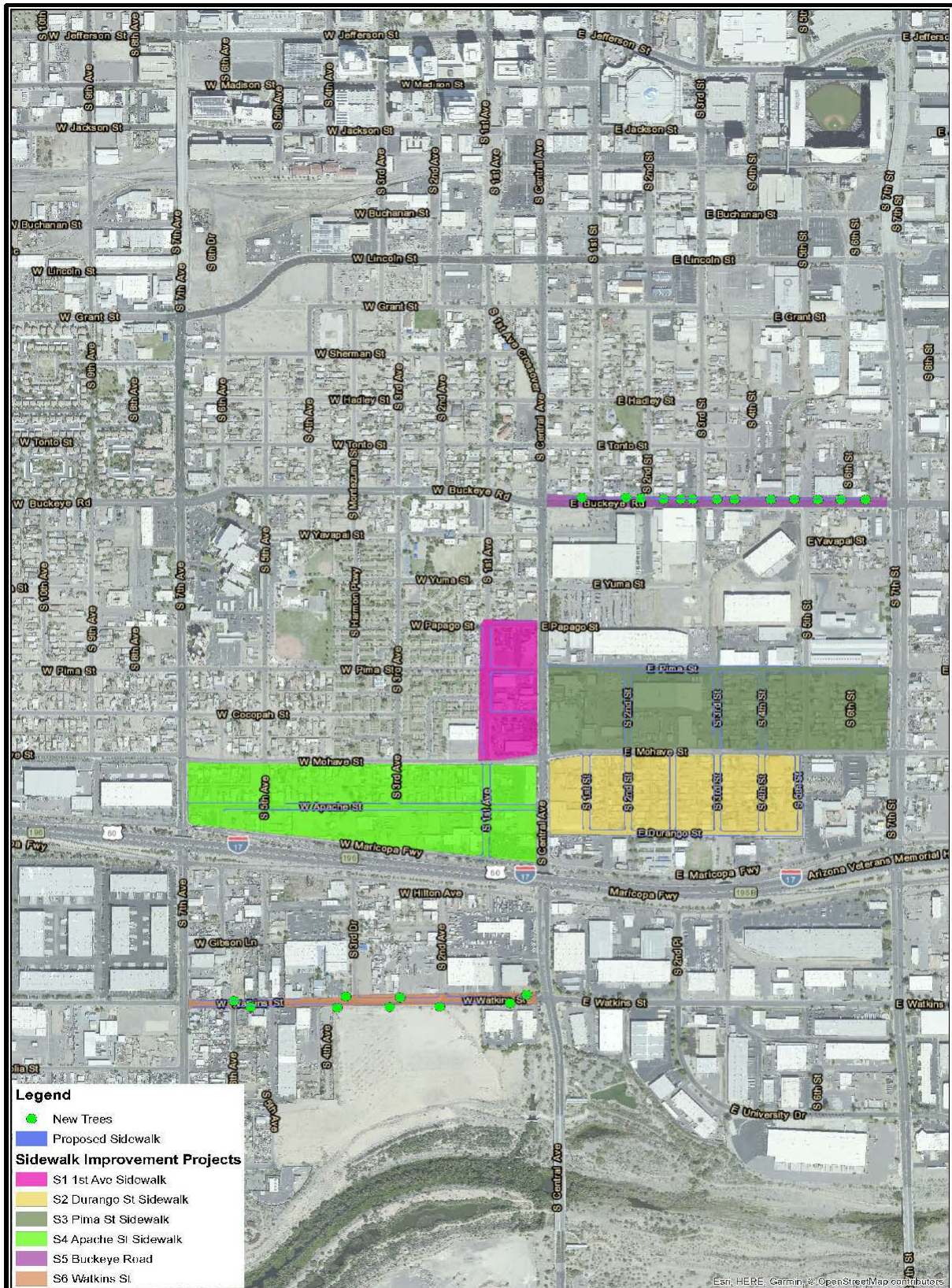
Table 7 – Proposed Trees

Project	Number of Trees
S5 - Buckeye Road Sidewalk Improvements	13
S6 – Watkins Street Sidewalk Improvements	9
B2 – Hadley Street Bike Lanes and Safety Improvements	31
P1 - 3 rd Street Bike Lane and Multi-Use Path Improvements	18

3rd Street Bike Lane and Multi-Use Path

The 3rd Street Multi-Use Path project is shown on Map 3 - Bicycle Improvements. The project will provide bicyclists with a direct connection between downtown and the Salt River Trail system. The multi-use path follows the 3rd Street alignment from Buckeye Road south, beneath I-17 through the abandoned railroad right of way and continues to the Salt River trail system. The project includes shared bike lanes along 3rd Street, and a new multi-use path between Yuma and Pima Streets and Durango Street and the Salt River Trail to fill in the gaps. The project includes new concrete path, pavement markings, signage, trees for shade and lighting. The project requires the acquisition of right of way.

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Legend

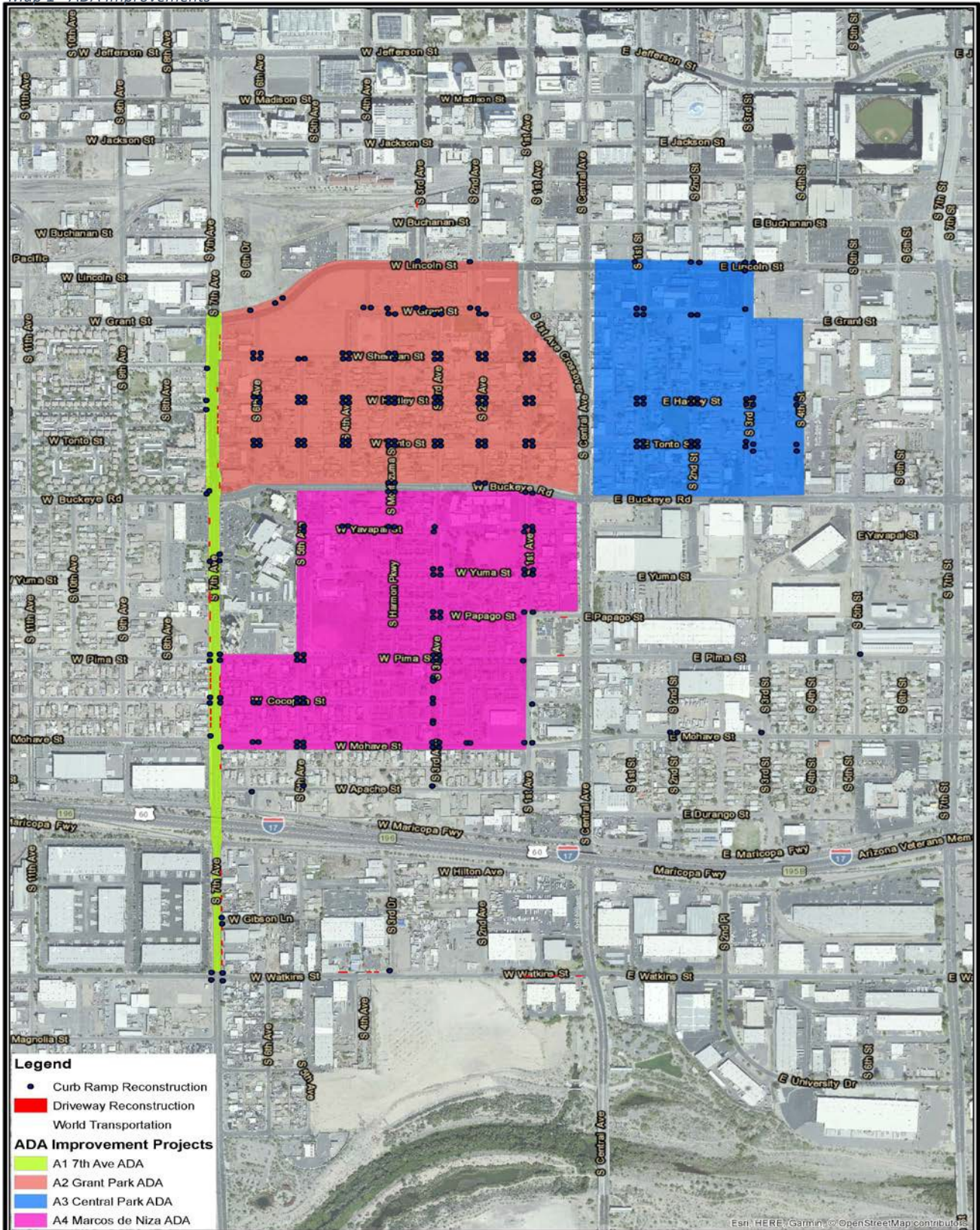
- New Trees
- Proposed Sidewalk

Sidewalk Improvement Projects

- S1 1st Ave Sidewalk
- S2 Durango St Sidewalk
- S3 Pima St Sidewalk
- S4 Apache St Sidewalk
- S5 Buckeye Road
- S6 Walkins St

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Map 1 - ADA Improvements



Legend

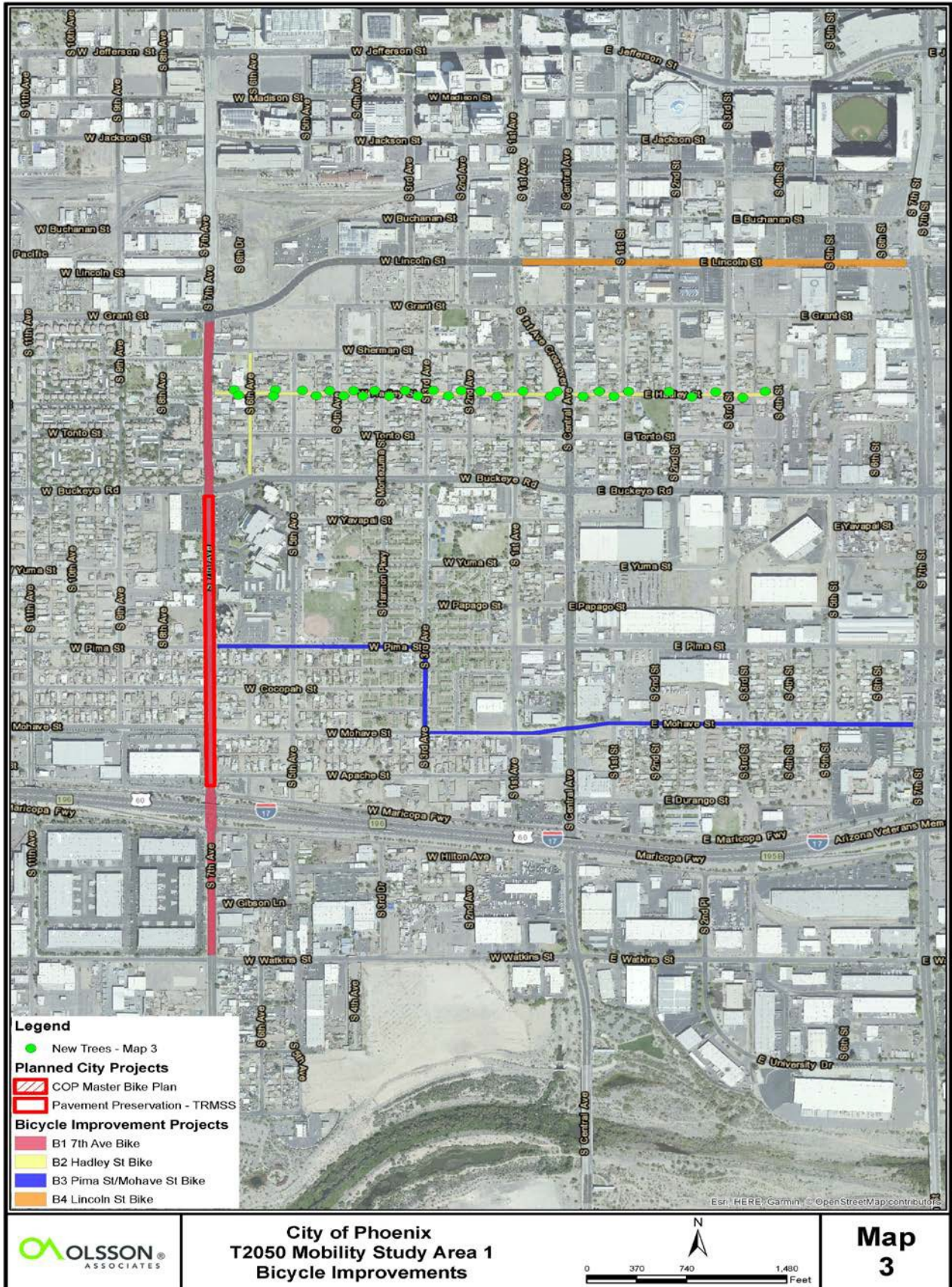
- Curb Ramp Reconstruction
- Driveway Reconstruction
- World Transportation

ADA Improvement Projects

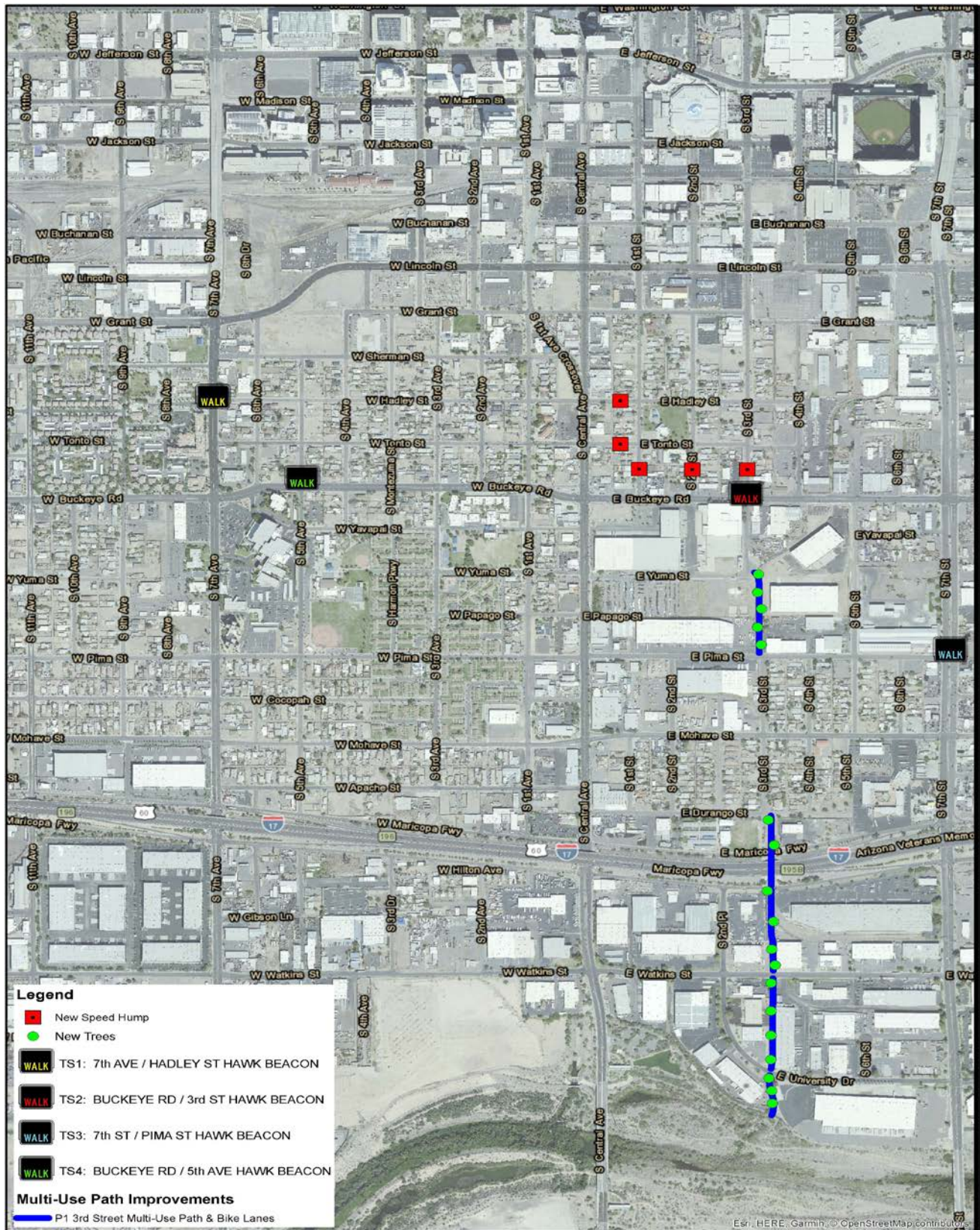
- A1 7th Ave ADA
- A2 Grant Park ADA
- A3 Central Park ADA
- A4 Marcos de Niza ADA

Esri, HERE, Garmin, ©OpenStreetMap contributors

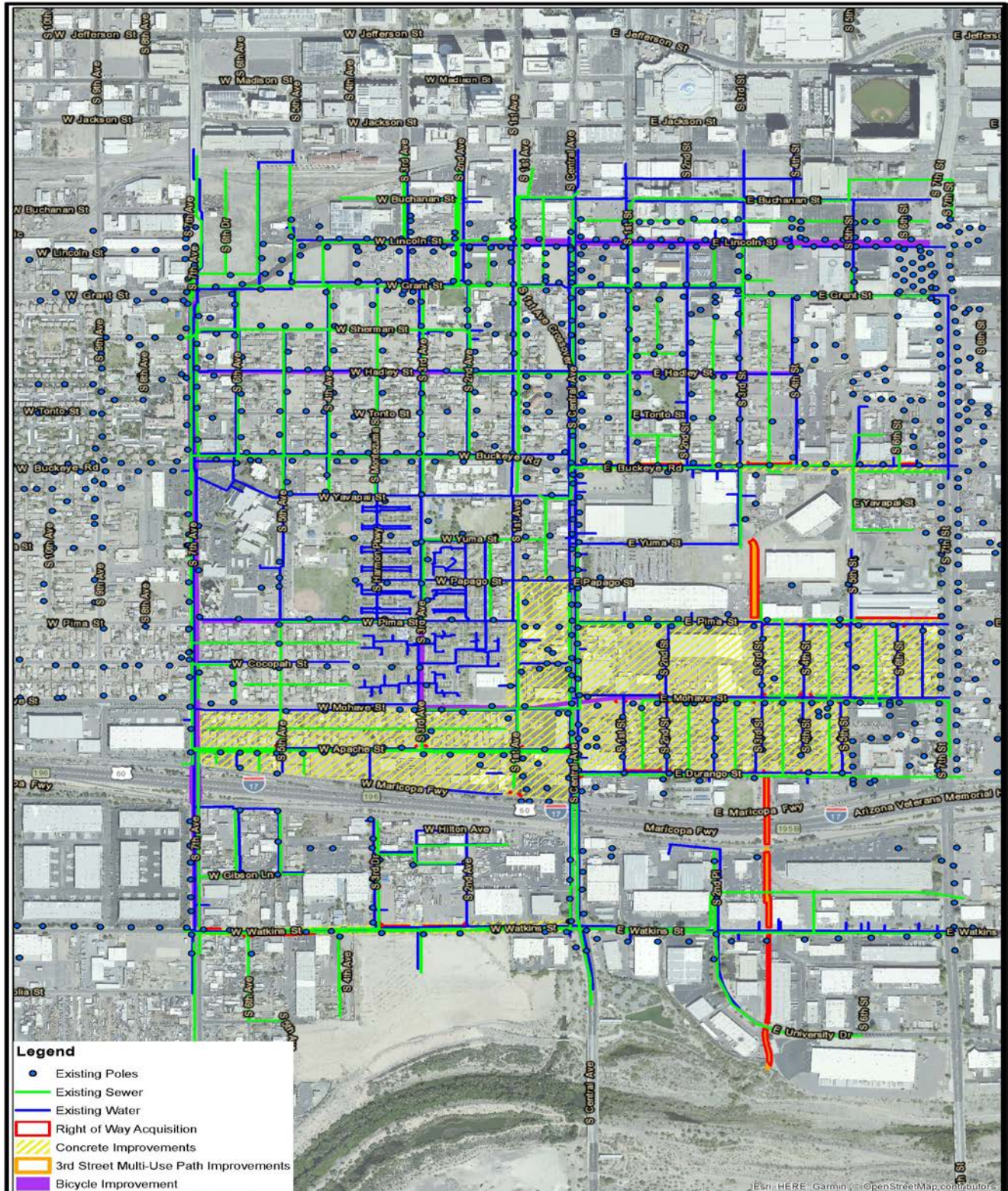
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Project Scoring Summary

Unique ID	Project Name	Description/Scope	Evaluation Criteria Score	Project Costs
B3	B3: Pima Street and Mohave Street Bike Improvements, 7 th Avenue to 7 th Street	Pima Street and Mohave Street are shown to have bike lanes in the City of Phoenix Master Bike Plan. The proposed project will improve the existing bicycle facilities along Pima Street and along Mohave Street. The proposed improvements will include the installation of bike lanes and markings along Pima Street and Mohave Street between Central Avenue and 7th Street.	104	Construction Phase \$71,350 Right of Way \$0 Design & Construction Admin Fee (35%) \$24,980 Project Total \$96,330
A1	A1: 7 th Avenue ADA Improvements, 7 th Avenue between Watkins Street and Grant Street	7 th Avenue is an important transit corridor. The proposed improvements will make the corridor accessible for all users. The project will include reconstructing curb ramps and driveways in various locations along 7th Avenue to meet current standards.	101	Construction Phase \$243,080 Right of Way \$0 Design & Construction Admin Fee (35%) \$85,080 Project Total \$328,160
S1	S1: 1 st Avenue Sidewalk Improvements, 1 st Avenue between Apache Street and Papago Street; Cocopah Street, Pima Street, and Papago Street between 1 st Avenue and Central Avenue	The proposed improvements will eliminate gaps in the existing sidewalk system. The project will improve pedestrian mobility between Central Avenue and the neighborhoods to west. The project will include the installation of new asphalt pavement, sidewalk, curb & gutter, curb ramps, driveways and low maintenance landscaping.	100	Construction Phase \$1,294,710 Right of Way \$31,500 Design & Construction Admin Fee (35%) \$435,150 Project Total \$1,779,360
B1	B1: 7 th Avenue Bike Lanes, Watkins Street to Lincoln Street	The project will improve bicycle safety along 7 th Avenue. The project will reconfigure the existing 7th Avenue striping to provide bike lanes in each direction. The project includes the removal of existing striping and the installation of new striping, bicycle pavement markings, and signage.	99	Construction Phase \$47,830 Right of Way \$0 Design & Construction Admin Fee (35%) \$16,750 Project Total \$64,580
S3	S3: Pima Street Sidewalk Improvements, local streets between Central Avenue and 7 th Street, and between Mohave Street and Pima Street	The proposed improvements will eliminate gaps in the existing sidewalk. The project will improve pedestrian mobility in the neighborhood between Central Avenue and 7 th Street. The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways in various locations. The project will include pavement widening in various locations. The project shall include the installation of low maintenance landscaping.	96	Construction Phase \$2,151,390 Right of Way \$146,022 Design & Construction Admin Fee (35%) \$752,990 Project Total \$3,050,410
S4	S4: Apache Street Sidewalk Improvements between 7 th Avenue and Central Avenue, and 1st Avenue between I-17 and Mohave Street	The proposed improvements will eliminate gaps in the existing sidewalk system. The project will improve pedestrian mobility in the neighborhood between 7 th Avenue and Central Avenue. The project will include the installation of new sidewalk, asphalt pavement, curb & gutter, curb ramps, and driveways in various locations. The project will include pavement widening in various locations. The project shall include the installation of low maintenance landscaping.	87	Construction Phase \$697,190 Right of Way \$91,798 Design & Construction Admin Fee (35%) \$244,020 Project Total \$1,033,010
TS3	TS3: 7 th Street / Pima Street HAWK Beacon	The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon on 7th Street at 3rd Street. The project will include pavement markings and signage.	86	Construction Phase \$285,000 Right of Way \$0 Design & Construction Admin Fee (35%) \$99,750 Project Total \$384,750
TS4	TS4: Buckeye Road / 5th Avenue HAWK Beacon	The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon on Buckeye Rd at 5th Avenue. The project will include pavement markings and signage.	86	Construction Phase \$285,000 Right of Way \$0 Design & Construction Admin Fee (35%) \$99,750 Project Total \$384,750
B4	B4: Lincoln Street Bike Lanes, 1 st Street to 7 th Street - Alternative No.1	The project will include the installation of shared lane markings along Lincoln Street, between 1 st Street and 7 th Street to provide continuous bicycle markings between 7 th Avenue and 7 th Street.	85	Alternate 1 Construction Phase \$31,520 Right of Way \$0 Design & Construction Admin Fee (35%) \$11,040 Project Total \$42,560

Project Scoring Summary

Unique ID	Project Name	Description/Scope	Evaluation Criteria Score	Project Costs
B4	B4: Lincoln Street Bike Lanes, 1 st Street to 7 th Street - Alternative No.2	The project will include a warrant analysis to determine if the side by side left turns (east to north and west to south) on Lincoln Street between Central Avenue and 1 st Avenue are warranted. If not warranted, restripe the street to add bike lanes. Restripe Lincoln Street to 6 ft bike lanes and two 10.5 ft. lanes in the eastbound and westbound directions eliminating the two-way left turn lane between 1st Street and 7th Street.	85	Alternate 2 Construction Phase \$66,590 Right of Way \$0 Design & Construction Admin Fee (35%) \$23,310 Project Total \$89,900
S2	S2: Durango Street Sidewalk Improvements, local streets between Central Avenue and 5 th Street, and between Durango Street and Mohave Street	The proposed improvements will eliminate gaps in the existing sidewalk and lighting systems. The project will improve pedestrian mobility in the neighborhood surrounding Academia del Pueblo Charter School. The project will include the installation of sidewalk, curb & gutter, curb ramps, and driveways in various locations to meet current standards. The project will include full width pavement reconstruction and drainage improvements on Durango Street between 3rd Street and 5th Street and pavement widening in other areas. The project will include installation of low maintenance landscaping and will add street lights along Durango Street.	83	Construction Phase \$2,656,440 Right of Way \$161,180 Design & Construction Admin Fee (35%) \$929,760 Project Total \$3,747,380
B2	B2: Hadley Street Bike and Safety Improvements, 7 th Avenue to 4 th Street - Alternative No.1	Stripe Hadley St. to provide 6 ft. bike lanes in both the eastbound and westbound directions. Stripe 6th Avenue with shared-use markings between Buckeye Road and Sherman Street and provide new signage. The project will include the installation of trees and street lights. The project will include speed tables on Hadley Street between Central Avenue and 1st Street, on E. Tonto between Central Avenue and 1st Street and on 1st Street, 2nd Street and 3rd Street within the first block north of Buckeye Road. The project will include isolated locations of new sidewalk and curb ramps.	82	Construction Phase \$130,630 Right of Way \$0 Design & Construction Admin Fee (35%) \$45,720 Project Total \$176,350 Safety Improvements - additional costs Construction Phase \$267,760 Right of Way \$0 Design & Construction Admin Fee (35%) \$93,720 Project Total \$361,480
B2	B2: Hadley Street Bike and Safety Improvements, 7 th Avenue to 4 th Street - Alternative No.2	Stripe Hadley Street to provide advisory bike lanes in the eastbound and westbound directions. Stripe 6th Avenue with shared-use markings between Buckeye Road and Sherman Street and provide new signage. The project will include the installation of trees and street lights. The project will include speed tables on Hadley Street between Central Avenue and 1st Street, on E. Tonto between Central Avenue and 1st Street and on 1st Street, 2nd Street and 3rd Street within the first block north of Buckeye Road. The project will include isolated locations of new sidewalk and curb ramps.	82	Construction Phase \$130,630 Right of Way \$0 Design & Construction Admin Fee (35%) \$45,720 Project Total \$176,350 Safety Improvements - additional costs Construction Phase \$267,760 Right of Way \$0 Design & Construction Admin Fee (35%) \$93,720 Project Total \$361,480
A2	A2: Grant Park ADA Improvements, neighborhood between 7 th Avenue and Central Avenue, and between Buckeye Road and Lincoln Street	The project will include reconstructing curb ramps to meet current standards at various locations in the neighborhood between 7 th Avenue and Central Avenue and between Buckeye Road and Lincoln Street.	78	Construction Phase \$335,400 Right of Way \$0 Design & Construction Admin Fee (35%) \$117,390 Project Total \$452,790
A3	A3: Central Park ADA Improvements, neighborhood between Central Avenue and 7 th Street, and between Buckeye Road and Lincoln Street	The project will include the reconstruction of curb ramps to meet current standards at various locations in the neighborhood between Central Avenue and 7 th Street and between Buckeye Road and Lincoln Street. The project will include the installation of new pedestrian push buttons at the intersection of 3rd Street and Lincoln Street to meet current standards.	78	Construction Phase \$165,000 Right of Way \$0 Design & Construction Admin Fee (35%) \$57,550 Project Total \$222,750

Project Scoring Summary

Unique ID	Project Name	Description/Scope	Evaluation Criteria Score	Project Costs
A4	A4: Marcos de Niza ADA Improvements, neighborhood between 7 th Avenue and Central Avenue, and between Mohave Street and Buckeye Road	The proposed improvements will improve accessibility within the Marcos de Niza neighborhood for all users. The project will include reconstructing curb ramps to meet current standards at various locations in the neighborhood between 7th Avenue and Central Avenue, and between Pima Street and Buckeye Road.	78	Construction Phase \$174,600 Right of Way \$0 Design & Construction Admin Fee (35%) \$61,110 Project Total \$235,710
TS1	TS1: 7 th Avenue / Hadley Street HAWK Beacon	The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon on 7th Street at Hadley Street. The project will include pavement markings and signage.	75	Construction Phase \$285,000 Right of Way \$0 Design & Construction Admin Fee (35%) \$99,750 Project Total \$384,750
S5	S5: Buckeye Road Sidewalk Improvements, Central Avenue to 7 th Street	The proposed improvements will provide sidewalk along Buckeye Road to improve pedestrian mobility and connectivity within the neighborhood between 7 th Avenue and Central Avenue. The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways. The project will include pavement widening and drainage improvements. The project shall include trees and low maintenance landscaping.	74	Construction Phase \$1,851,710 Right of Way \$104,360 Design & Construction Admin Fee (35%) \$648,100 Project Total \$2,604,170
P1	P1: 3 rd Street Multi-Use Path, various locations along 3 rd Street alignment between Salt River and Buckeye Road	The project will include the installation of a new multi-use path along the 3 rd Street alignment at various locations between the Salt River and Buckeye Road. The project will include shared bike lanes, a new concrete path, trees, lighting, and landscaping.	73	Construction Phase \$1,827,620 Right of Way \$894,240 Design & Construction Admin Fee (35%) \$639,670 Project Total \$3,361,530
S6	S6: Watkins Street Sidewalk Improvements, 7 th Avenue to Central Avenue	The proposed improvements will provide a complete sidewalk system to improve pedestrian mobility and connectivity within the neighborhood between 7 th Avenue and Central Avenue. The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways. The project will include pavement widening and drainage improvements. The project shall include the installation of tree and low maintenance landscaping.	70	Construction Phase \$3,639,190 Right of Way \$250,292 Design & Const Admin Fee (35%) \$1,273,720 Project Total \$5,163,210
TS2	TS2: Buckeye Road / 3 rd Street HAWK Beacon	The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon on Buckeye Rd at 3rd Street. The project will include pavement markings and signage.	69	Construction Phase \$285,000 Right of Way \$0 Design & Construction Admin Fee (35%) \$99,750 Project Total \$384,750

**Project Summary Sheet S1:
1st Avenue Sidewalk
Improvements, 1st Avenue
between Apache Street and
Papago Street; Cocopah Street,
Pima Street, and Papago Street
between 1st Avenue and Central
Avenue**

Project Description

- The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways in various locations.
- The project will include pavement widening in various locations.
- The project will include the installation of low maintenance landscaping in select areas.

Project Benefits

- The proposed improvements will eliminate gaps in the existing sidewalk system. The project will improve pedestrian mobility between Central Avenue and the neighborhoods to west.

Key Destinations

- Central Avenue
- Marcos de Niza Public Housing

Current Conditions

- Currently, there are several gaps in the sidewalk system within the neighborhood.
- Stakeholders have identified Marcos de Niza Public Housing as a neighborhood with large mobility dependent population that need improved access to Central Avenue.

- *Photo 5 - 1st Ave, North of Mohave St, Looking North*

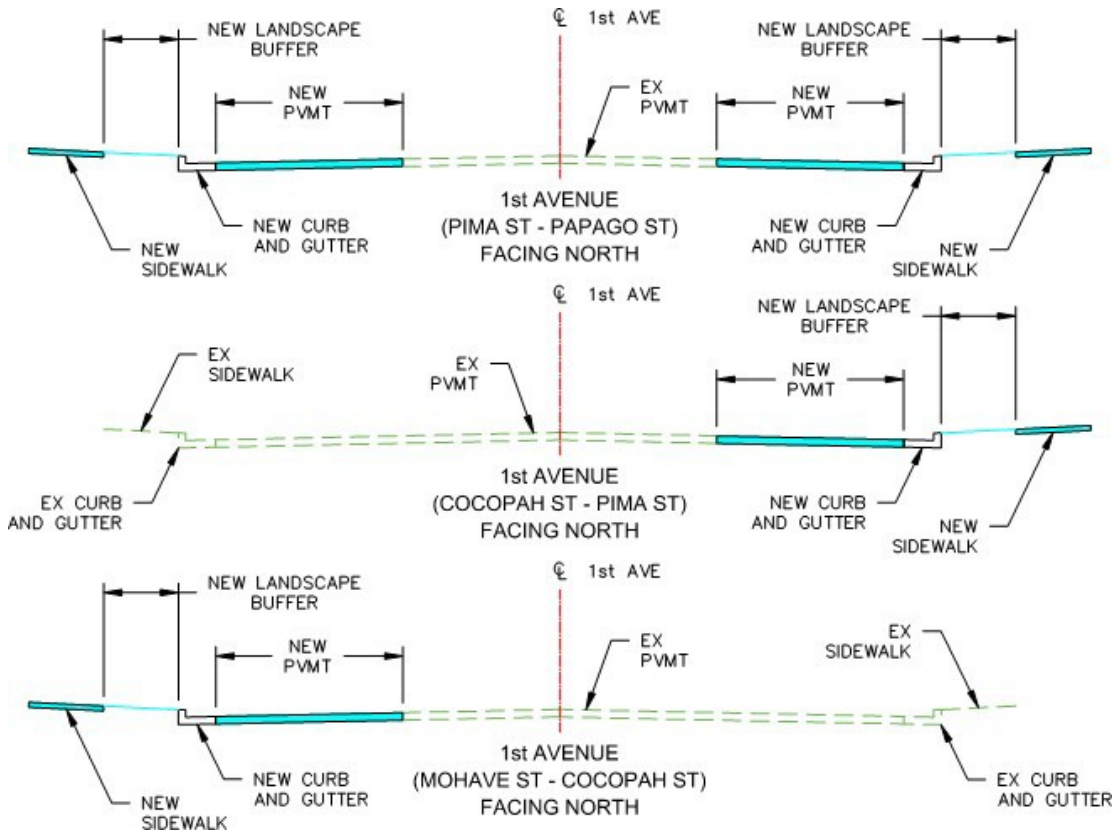


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Cross-Sections - Before

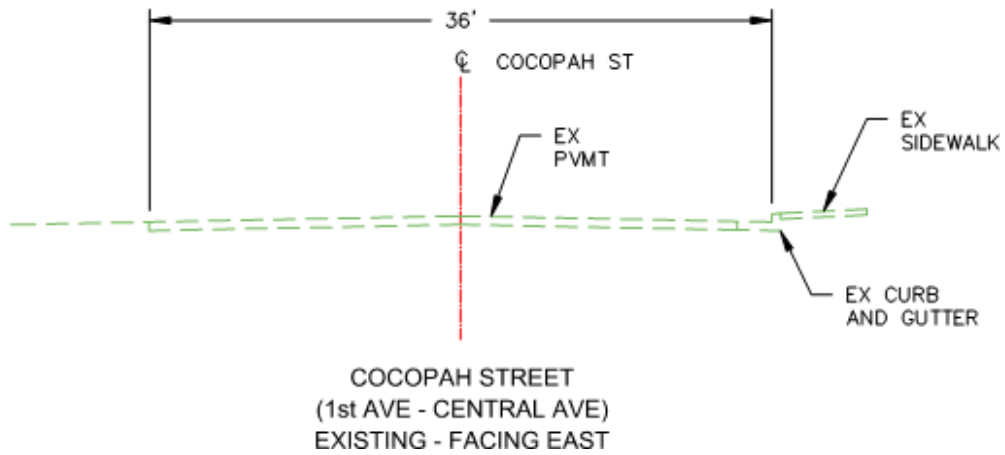


Cross-Sections - Proposed

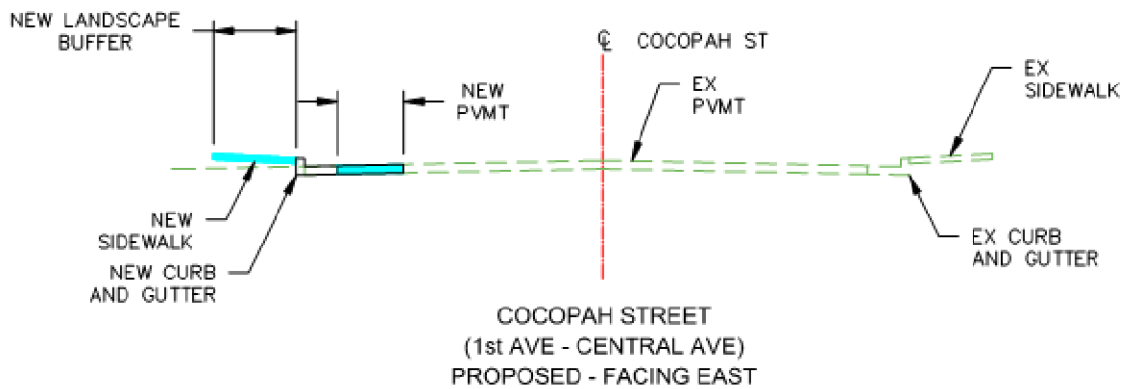


Proposed Conditions Report

Cross-Sections - Before

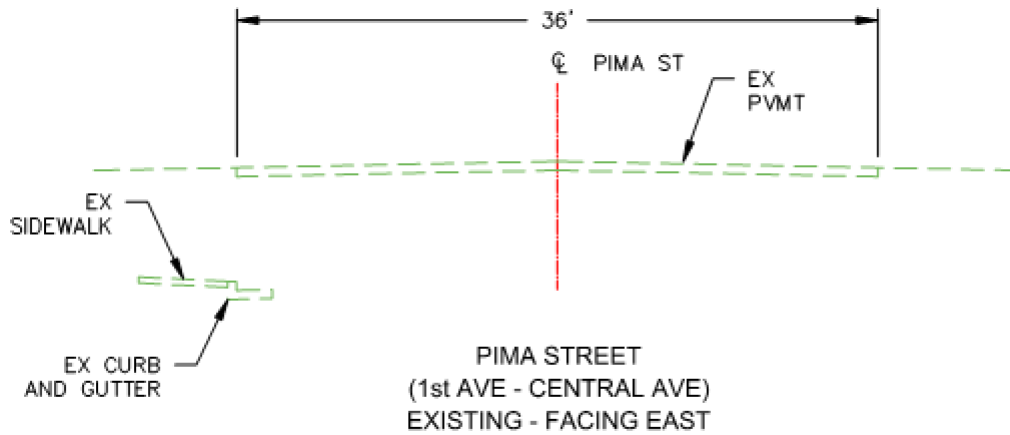


Cross-Sections – Proposed

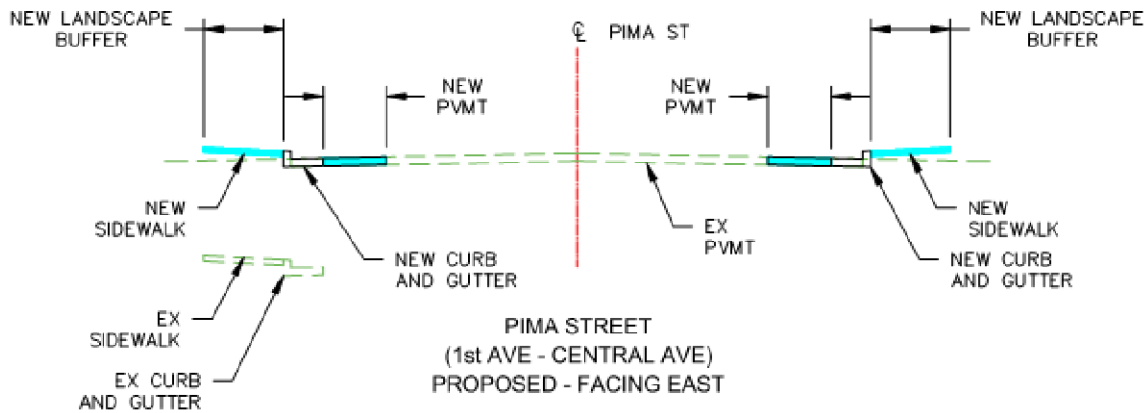


Proposed Conditions Report

Cross-Sections - Before

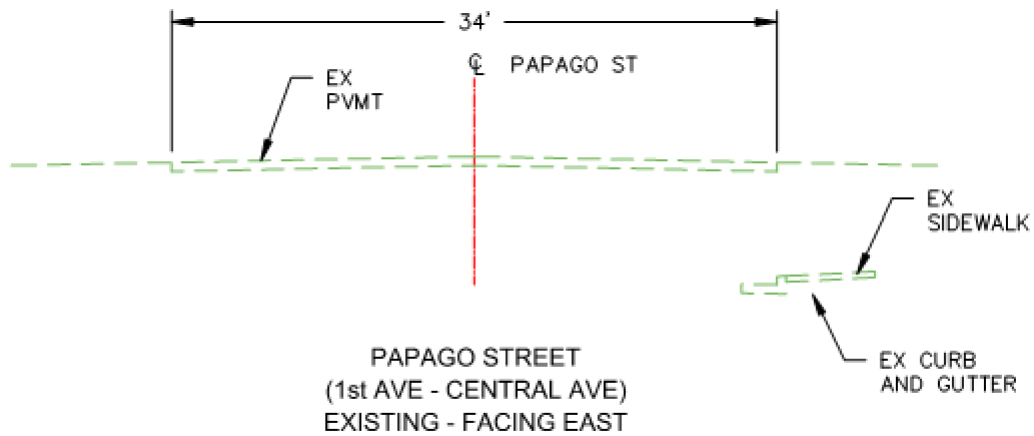


Cross-Sections - Proposed

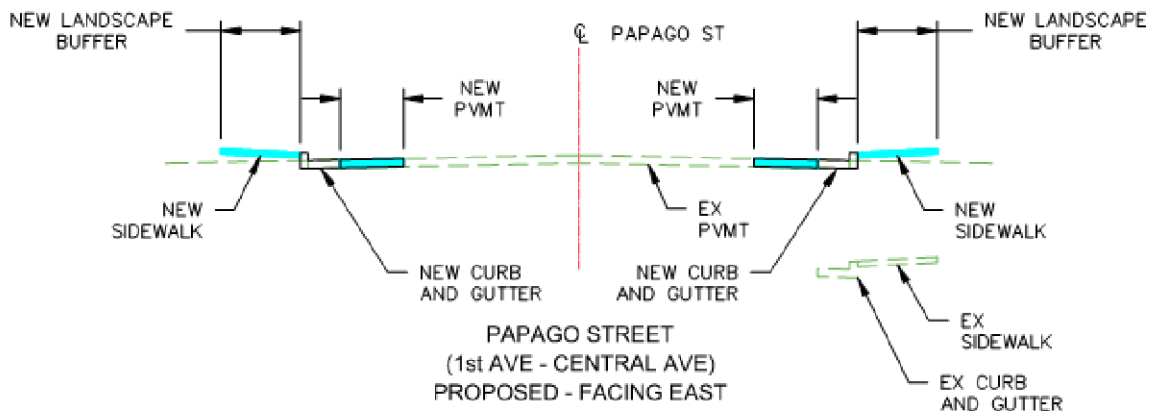


Proposed Conditions Report

Cross-Sections - Before



Cross-Sections - Proposed



Project Delivery Constraints

- The proposed improvements may require right of way coordination including the acquisition of right of way and temporary construction easements.
- The proposed improvements will require utility coordination and relocations of power poles and light poles where they obstruct the curb ramp.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$1,294,710	8
Right-of-Way Acquisition	\$31,500	8
Design and Construction Admin Fee (35%)	\$435,150	8
<i>Project Total</i>	<i>\$1,779,360</i>	<i>24</i>

Project Summary Sheet S2: Durango Street Sidewalk Improvements, local streets between Central Avenue and 5th Street, and between Durango Street and Mohave Street

*Photo 6 - 3rd St, North of
Durango St, Looking North*



Project Description

- The project will include the installation of sidewalk, curb & gutter, curb ramps, and driveways in various locations to meet current standards.
- The project will include full width pavement reconstruction and drainage improvements on Durango Street between 3rd Street and 5th Street and pavement widening in various locations.
- The project will include installation of low maintenance landscaping in select areas.
- Along Durango Street the project will include adding street lights between the existing lights where additional coverage is needed.

Project Benefits

- The proposed improvements will eliminate gaps in the existing sidewalk and lighting systems. The project will improve pedestrian mobility in the neighborhood surrounding Academia del Pueblo Charter School and the additional lights will improve safety at night.

Key Destinations

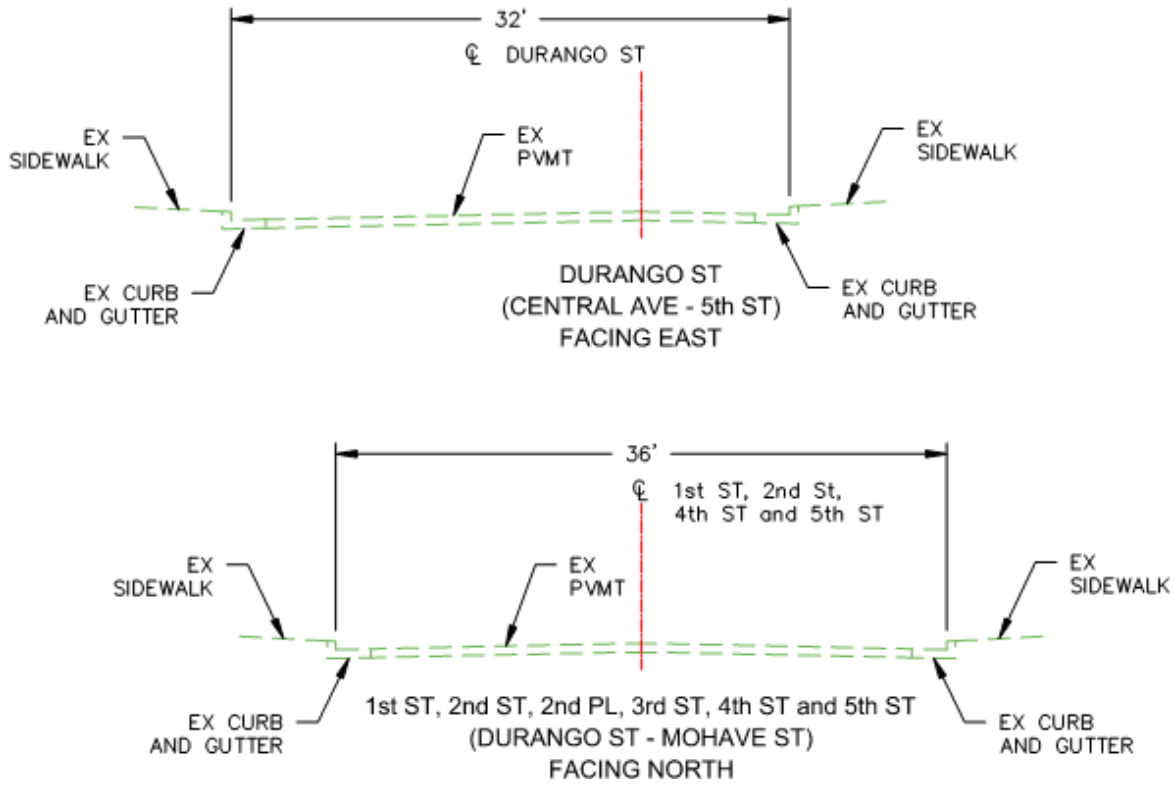
- Academia del Pueblo Charter School

Current Conditions

- Currently, there are several gaps in the sidewalk system within the neighborhood. Stakeholders have identified the neighborhood as an area in need of sidewalk to improve access to the charter school.
- The public has pointed out the gaps in lighting along Durango Street.

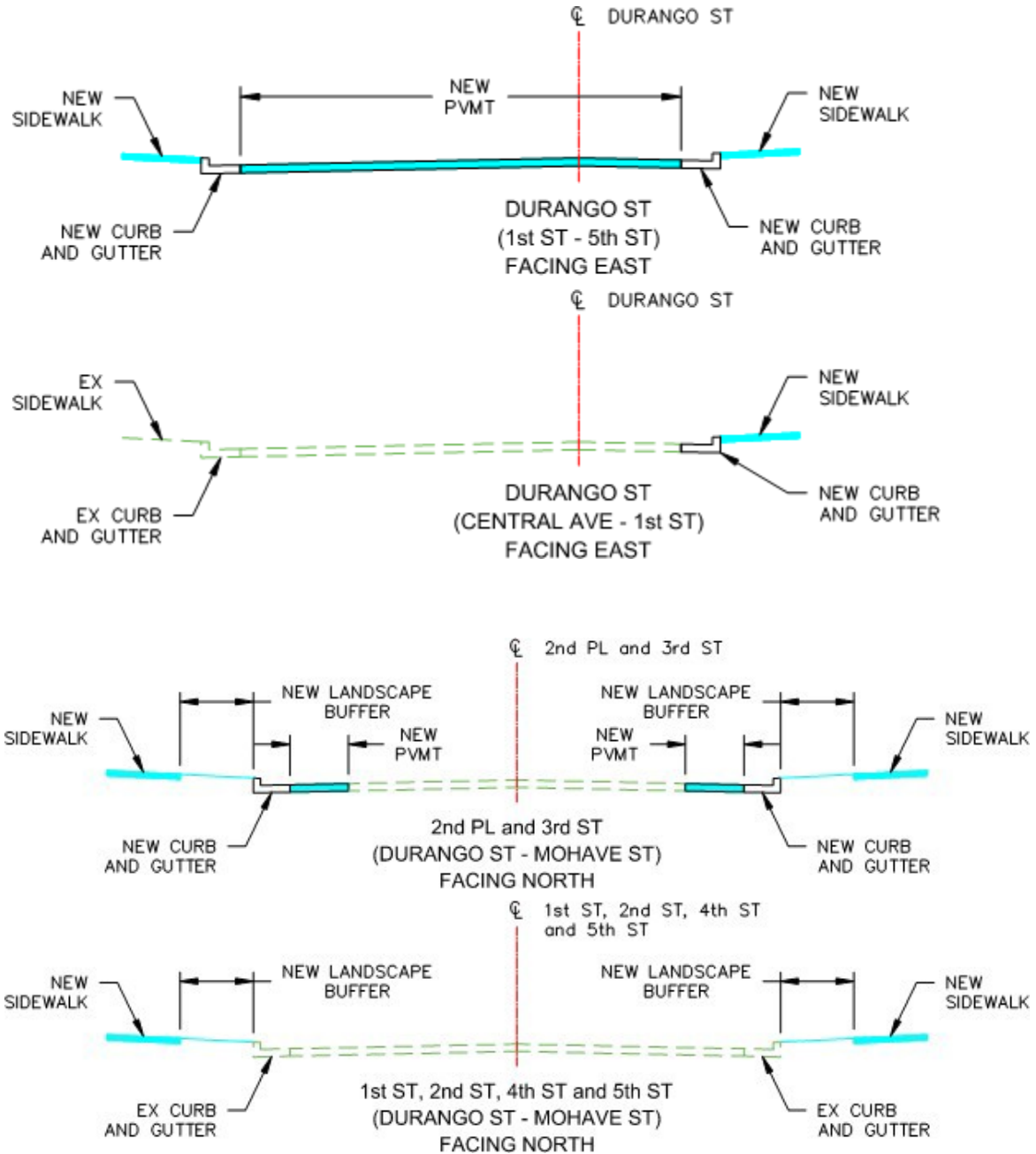
Proposed Conditions Report

Cross-Sections – Before



Proposed Conditions Report

Cross-Sections – Proposed



Project Delivery Constraints

- The proposed improvements will require right of way coordination including acquisition of right of way and temporary construction easements.
- The proposed improvements will require utility coordination and power pole or light pole relocations where they obstruct the street improvements.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$2,656,440	8
Right-of-Way Acquisition	\$161,180	4
Design and Construction Admin Fee (35%)	\$929,760	12
<i>Project Total</i>	<i>\$3,747,380</i>	<i>24</i>

**Project Summary Sheet
S3: Pima Street Sidewalk
Improvements, local streets
between Central Avenue and 7th
Street, and between Mohave
Street and Pima Street**

Project Description

- The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways in various locations.
- The project will include pavement widening in various locations.
- The project shall include the installation of low maintenance landscaping.

Project Benefits

- The proposed improvements will eliminate gaps in the existing sidewalk. The project will improve pedestrian mobility in the neighborhood between Central Avenue and 7th Street.

Key Destinations

- Central Avenue
- 7th Street

Current Conditions

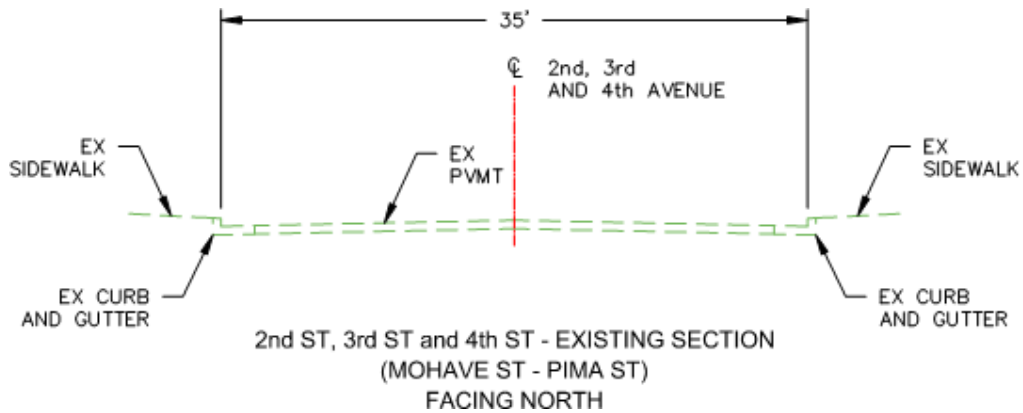
- Currently, there are several gaps in the sidewalk system within the neighborhood.

*Photo 7 - Pima St, East of 5th Ave,
Looking East*

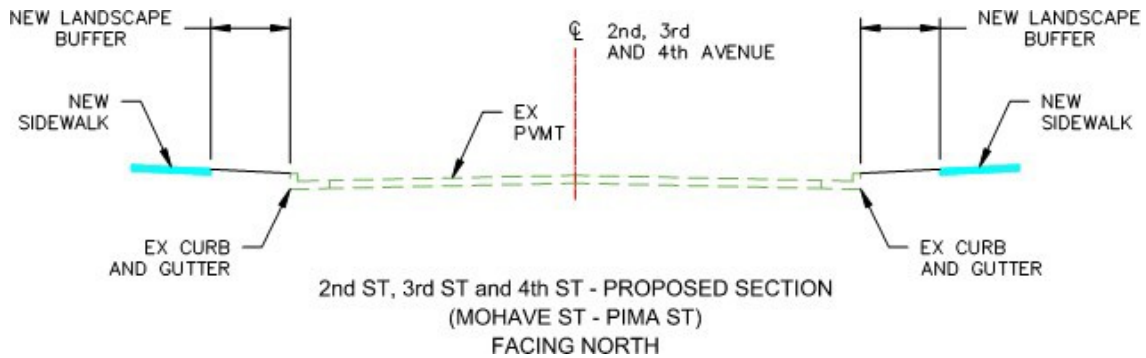


Proposed Conditions Report

Cross-Sections – Before

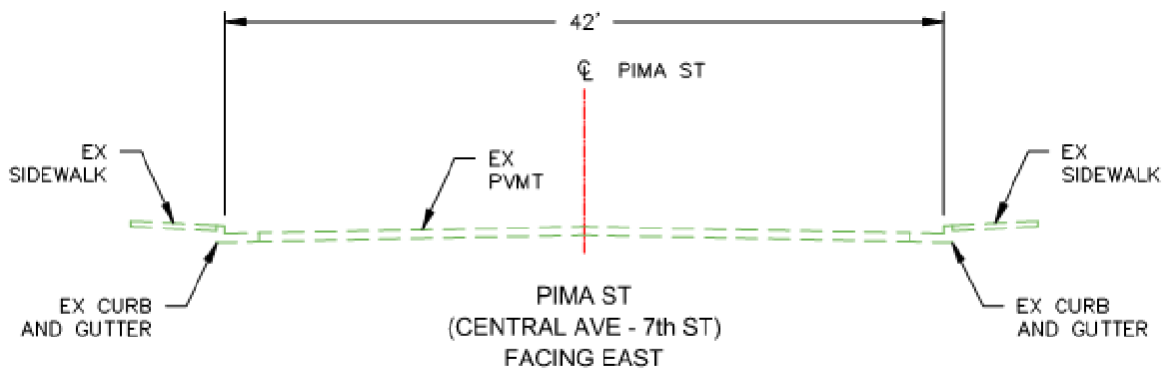


Cross-Sections – Proposed

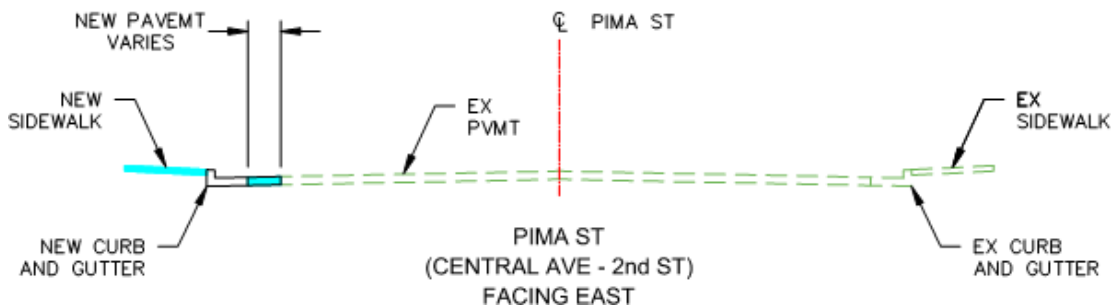
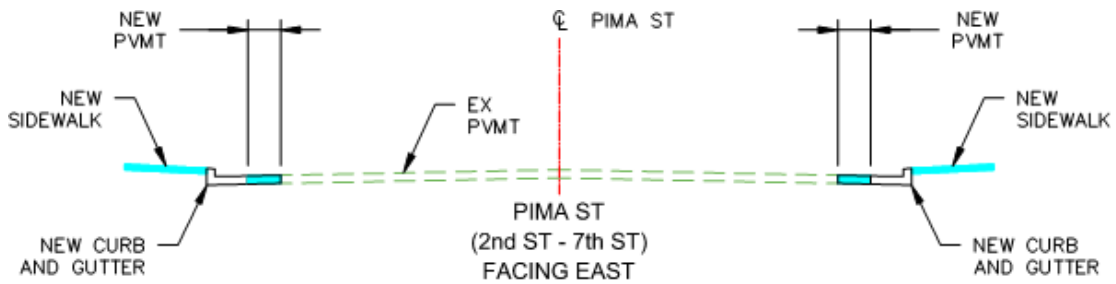


Proposed Conditions Report

Cross-Sections - Before



Cross-Sections – Proposed



Project Delivery Constraints

- The proposed improvements will require the acquisition of right of way and temporary construction easements.
- The proposed improvements will require utility coordination and power pole and light poles relocations where they obstruct the curb the improvements.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$2,151,390	12
Right-of-Way Acquisition	\$146,022	4
Design and Construction Admin Fee (35%)	\$752,990	8
Project Total	\$3,050,410	24

Project Summary Sheet S4: Apache Street Sidewalk Improvements, between 7th Avenue and Central Avenue, and 1st Avenue between I-17 and Mohave Street

Project Description

- The project will include the installation of new sidewalk, asphalt pavement, curb & gutter, curb ramps, and driveways in various locations.
- The project will include pavement widening in various locations.
- The project shall include the installation of low maintenance landscaping.

Project Benefits

- The proposed improvements will eliminate gaps in the existing sidewalk system. The project will improve pedestrian mobility in the neighborhood between 7th Avenue and Central Avenue.

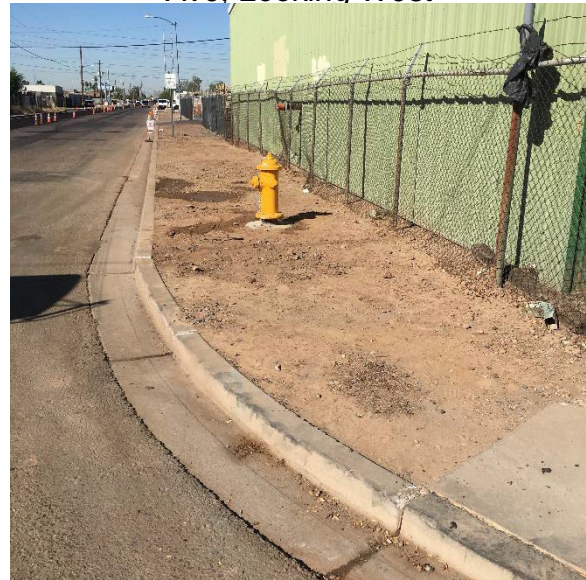
Key Destinations

- 7th Avenue
- Central Avenue

Current Conditions

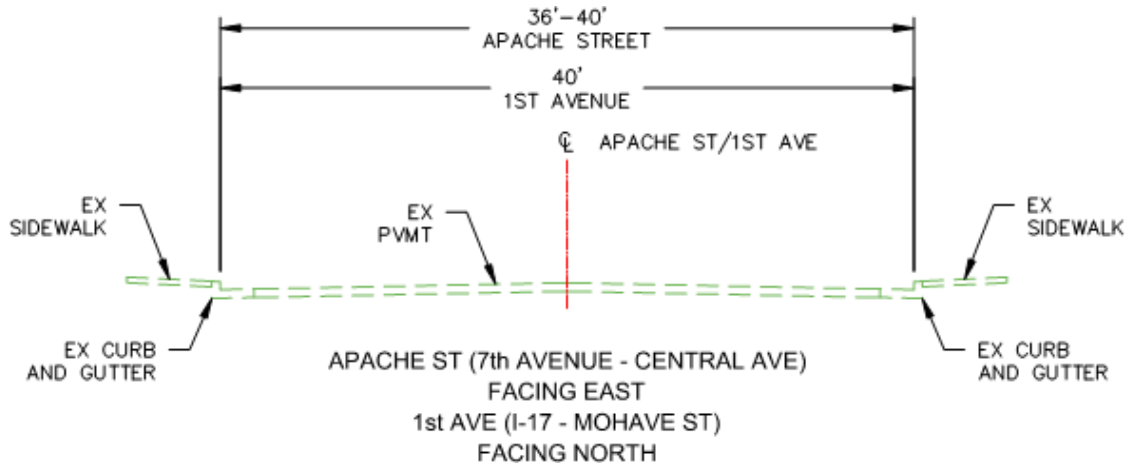
- Currently, there are several gaps in the sidewalk system within the neighborhood.

Photo 8 - Apache St, West of Central Ave, Looking West

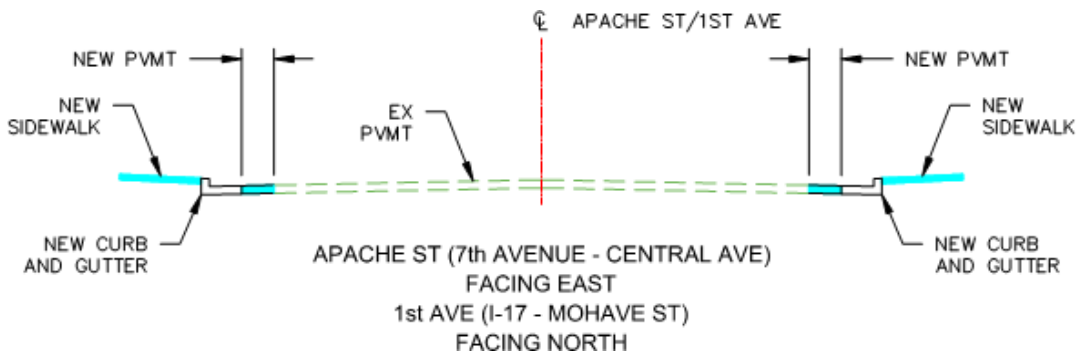


Proposed Conditions Report

Cross-Sections – Before



Cross-Sections – Proposed



Project Delivery Constraints

- The proposed improvements will require right of way coordination including the acquisition of right of way and/or temporary construction easements.
- The proposed improvements will require utility coordination and power pole and light pole relocations where they obstruct the curb improvements.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$697,190	6
Right-of-Way Acquisition	\$91,798	6
Design and Construction Admin Fee (35%)	\$244,020	4
Project Total	\$1,033,010	16

Project Summary Sheet S5: Buckeye Road Sidewalk Improvements, Central Avenue to 7th Street

Project Description

- The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways.
- The project will include pavement widening and drainage improvements.
- The project shall include trees and low maintenance landscaping.

Project Benefits

- The proposed improvements will provide sidewalk along Buckeye Road to improve pedestrian mobility and connectivity within the neighborhood between 7th Avenue and Central Avenue.

Key Destinations

- 7th Street
- Central Avenue

Current Conditions

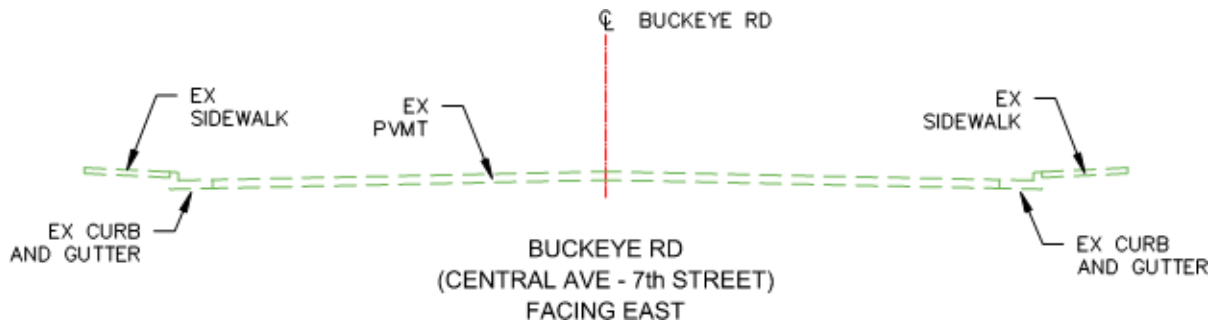
- Currently, there are gaps in the existing sidewalk system along Buckeye Road.

*Photo 9 - Buckeye Rd, West of 3rd St,
Looking West*

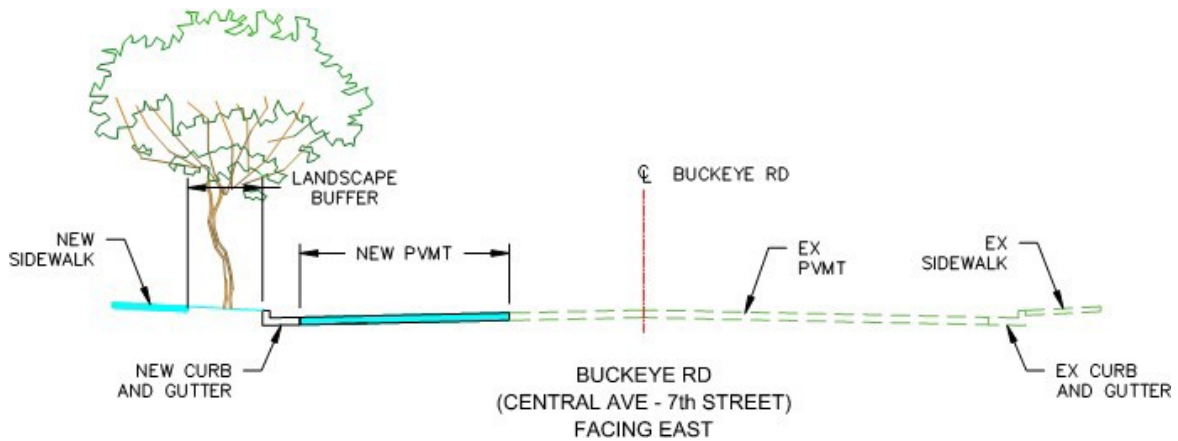


Proposed Conditions Report

Cross-Sections – Before



Cross-Sections – Proposed



Project Delivery Constraints

- The proposed improvements shall require right of way coordination including acquisition of right of way or temporary construction easements.
- The proposed improvements will require utility coordination and relocation of power poles to construct the new sidewalk.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$1,851,710	8
Right-of-Way Acquisition	\$104,360	8
Design and Construction Admin Fee (35%)	\$648,100	8
Project Total	\$2,604,170	24

Project Summary Sheet S6: Watkins Street Sidewalk Improvements, 7th Avenue to Central Avenue

*Photo 10 - Watkins St, East of 7th Ave,
Looking West*

Project Description

- The project will include the installation of new sidewalk, curb & gutter, curb ramps, and driveways.
- The project will include pavement widening and drainage improvements
- The project shall include the installation of tree and low maintenance landscaping.



Project Benefits

- The proposed improvements will provide a complete sidewalk system to improve pedestrian mobility and connectivity within the neighborhood between 7th Avenue and Central Avenue.

Key Destinations

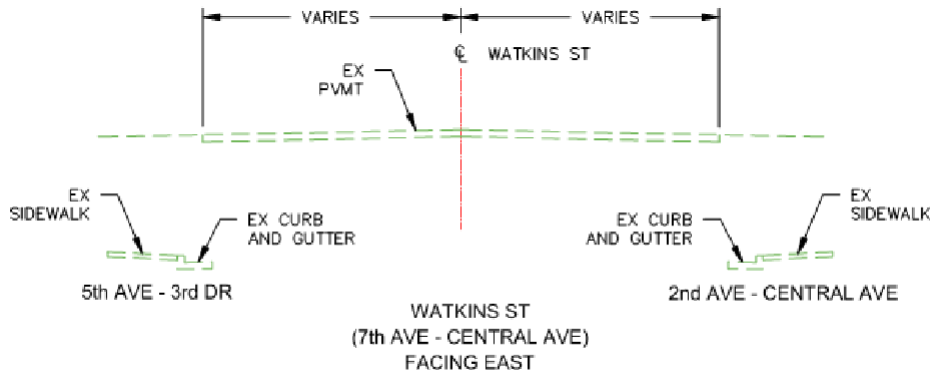
- 7th Avenue
- Central Avenue
- St Vincent de Paul

Current Conditions

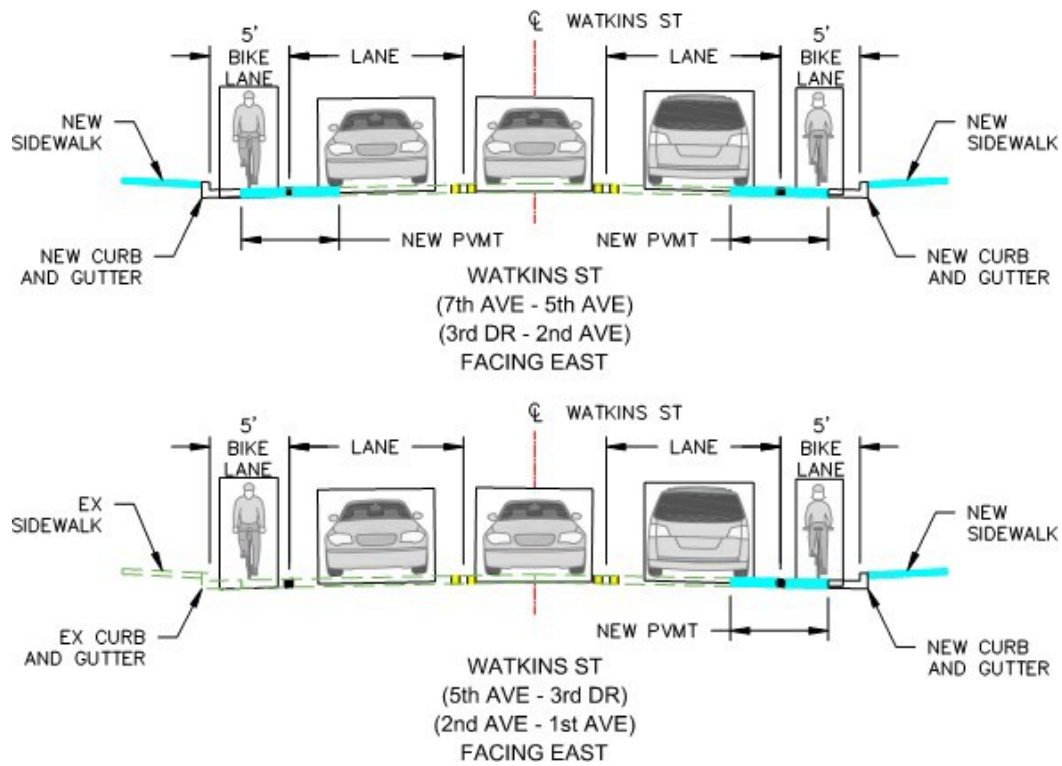
- Currently, there are gaps in the existing sidewalk system along the Watkins Street.

Proposed Conditions Report

Cross-Section - Before



Cross-Section - Proposed



Project Delivery Constraints

- The proposed improvements will require right of way coordination including acquisition of right of way and temporary construction easements.
- The proposed improvements will require utility coordination and relocation of power poles that conflict with the proposed sidewalk.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$3,639,190	8
Right-of-Way Acquisition	\$250,292	8
Design and Construction Admin Fee (35%)	\$1,273,720	8
Project Total	\$5,163,210	24

Project Summary Sheet A1: 7th Avenue ADA Improvements, 7th Avenue between Watkins Street and Grant Street

Photo 11 - 7th Ave, Pima St, Looking North

Project Description

- The project will include reconstructing curb ramps and driveways in various locations along 7th Avenue to meet current standards.

Project Benefits

- 7th Avenue is an important transit corridor. The proposed improvements will make the corridor accessible for all users.

Key Destinations

- 7th Avenue
- Memorial Hospital complex

Current Conditions

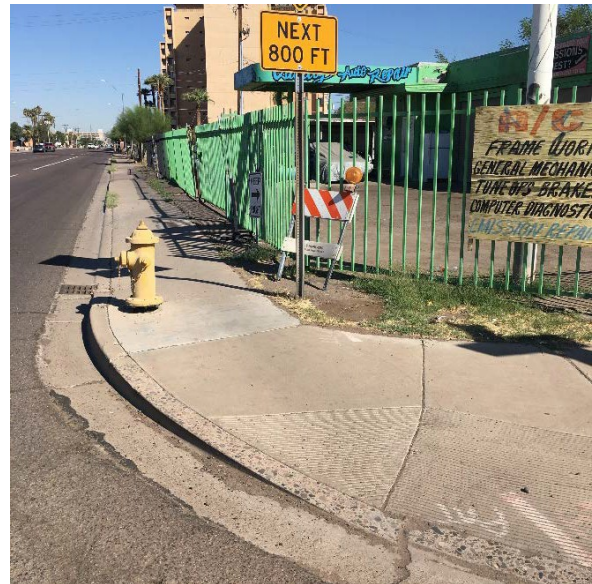
- Currently, several of the existing curb ramps and driveways do not meet current standards.

Project Exhibit

- Map 2 shows the location of the proposed improvements.

Project Delivery Constraints

- Sidewalk at driveways that do not meet current standards will need to be reconstructed. Temporary construction easements may be required at some locations.
- Utility coordination will be necessary to construct the improvements.



Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$243,080	4
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$85,080	4
<i>Project Total</i>	<i>\$328,160</i>	<i>8</i>

Project Summary Sheet A2: Grant Park ADA Improvements, neighborhood between 7th Avenue and Central Avenue, and between Buckeye Road and Lincoln Street.

*Photo 12 - Tonto St, 5th Ave, Looking
West*



Project Description

- The project will include reconstructing curb ramps to meet current standards at various locations in the neighborhood between 7th Avenue and Central Avenue and between Buckeye Road and Lincoln Street.

Project Benefits

- The proposed improvements will improve accessibility within the neighborhood for all users.

Key Destinations

- Central Ave Corridor
- 7th Avenue Corridor
- Vista College Preparatory School
- Harmon Library

Current Conditions

- Currently, several of the existing curb ramps in the Grant Park neighborhood do not meet current standards.

Project Exhibit

- Map 2 shows the locations of the proposed improvements.

Project Delivery Constraints

- Utility coordination shall be necessary, and power poles will be relocated as necessary to construct the improvements.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$335,400	4
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$117,390	4
<i>Project Total</i>	<i>\$452,790</i>	<i>8</i>

Project Summary Sheet A3: Central Park ADA Improvements, neighborhood between Central Avenue and 7th Street, and between Buckeye Road and Lincoln Street.

*Photo 13 - 1st St, Hadley St,
Looking North*



Project Description

- The project will include the reconstruction of curb ramps to meet current standards at various locations in the neighborhood between Central Avenue and 7th Street and between Buckeye Road and Lincoln Street.
- The project will include the installation of new pedestrian push buttons at the intersection of 3rd Street and Lincoln Street to meet current standards.

Project Benefits

- The proposed improvements will improve accessibility within the neighborhood for all users.

Key Destinations

- Central Ave Corridor
- Warehouse District

Current Conditions

- Currently, several of the existing curb ramps in the Grant Park neighborhood do not meet current standards.
- The existing pedestrian push button types, and locations do not meet current standards.

Project Exhibit

- Map 2 shows the locations of the proposed improvements.

Project Delivery Constraints

- Utility coordination shall be necessary to construct the improvements.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$165,000	4
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (25%)	\$57,750	4
<i>Project Total</i>	<i>\$222,750</i>	<i>8</i>

Project Summary Sheet A4: Marcos de Niza ADA Improvements, neighborhood between 7th Avenue and Central Avenue, and between Mohave Street and Buckeye Road.

*Photo 14 - 3rd Ave, Pima St, Looking
North*



Project Description

- The project will include reconstructing curb ramps to meet current standards at various locations in the neighborhood between 7th Avenue and Central Avenue, and between Mohave Street and Buckeye Road.

Project Benefits

- The proposed improvements will improve accessibility within the neighborhood for all users.

Key Destinations

- Central Avenue Corridor
- Lowell Elementary School
- Harmon Library

Current Conditions

- Currently, several of the existing curb ramps in the Marcos de Niza neighborhood do not meet current standards.

Project Exhibit

- Map 2 shows the locations of the proposed improvements.

Project Delivery Constraints

- Utility coordination shall be necessary to construct the improvements.

Proposed Conditions Report

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$174,600	4
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$61,110	4
<i>Project Total</i>	<i>\$235,710</i>	<i>8</i>

Project Summary Sheet B1: 7th Avenue Bike Lanes, Watkins Street to Lincoln Street

*Photo 15 - 7th Ave, South of
Hadley St, Looking North*

Project Description

- The project will reconfigure the existing 7th Avenue striping to provide bike lanes in each direction.
- The project includes the removal of existing striping and the installation of new striping, bicycle pavement markings, and signage.

Project Benefits

- The project will improve bicycle safety along 7th Avenue.
- 7th Avenue is a key north-south corridor for pedestrian, bicycle, and transit users.
- The project could be completed as part of a future pavement preservation project.

Key Destinations

- 7th Avenue bus stops
- Phoenix Memorial Hospital
- Phoenix Public Library

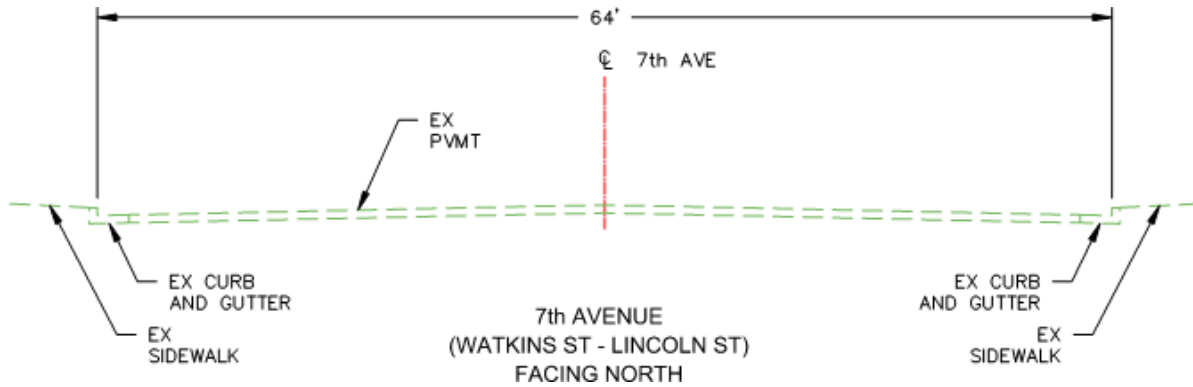
Current Conditions

- The current lane configuration along 7th Avenue consists of two travel lanes in each direction with a two-way left turn lane.
- There have been 3 serious or fatal bicycle related crashes within the project limits.

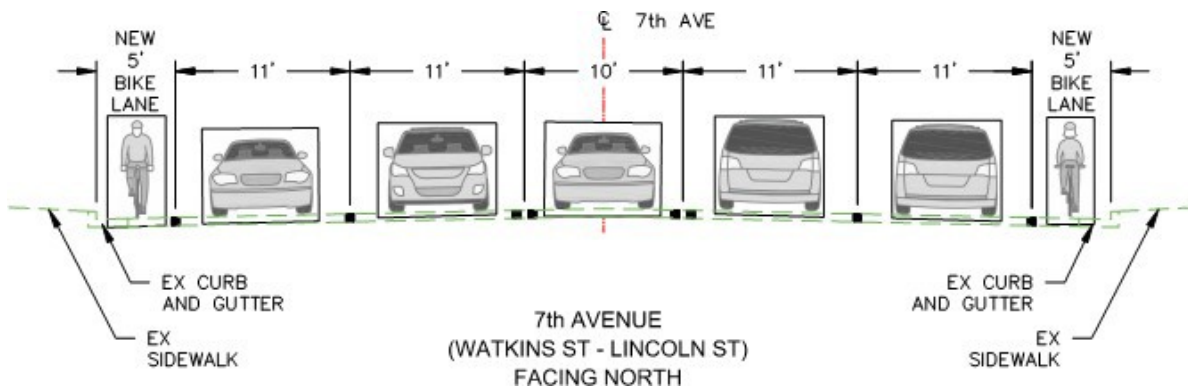


Proposed Conditions Report

Cross-Section – Before



Cross-Section – Proposed



Project Delivery Constraints

- The City of Phoenix will need to coordinate with ADOT to modify the current lane configuration at the I-17 interchange.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$47,830	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$16,750	4
<i>Project Total</i>	<i>\$64,580</i>	<i>6</i>

Project Summary Sheet B2: Hadley Street Bike and Safety Improvements, 7th Avenue to 4th Street

*Photo 16 - Hadley St, East of 3rd Ave,
Looking East*



Hadley Street Bike Lanes - Alternative No. 1

- Stripe Hadley St. to provide 6 ft. bike lanes in both the eastbound and westbound directions.
- The proposed Hadley Street 34 ft. typical section consists of two 11 ft. lanes, and two 6 ft bicycle lanes.
- Project would include pavement markings and signage.
- On-street parking would need to be prohibited on both sides of the street, to avoid conflict with bicyclists.
- Stripe 6th Avenue with shared-use markings between Buckeye Road and Sherman Street and provide new signage
- The project will include the installation of trees within the landscape buffer area along Hadley Street.
- Install street lights to fill in the street lighting gaps along Hadley Street.

Hadley Street Bike Lanes - Alternative No. 2

- Stripe Hadley Street to provide advisory bike lanes in the eastbound and westbound directions. This is a shared-roadway environment where mixing, merging, and yielding are required.
- The proposed Hadley Street 34 ft. typical section consists of advisory bike lane widths of 6 ft. in the eastbound and westbound directions and, striped 8 ft parking lane and 2 ft. buffer at the south side of the street and 12 ft. two-way travel lane. No centerline marking will be on the street.
- On-street parking would be allowed at the southside of the street and prohibited on the northside of the street.
- Stripe 6th Avenue with shared-use markings between Buckeye Road and Sherman Street and provide new signage
- The project will include the installation of trees within the landscape buffer area along Hadley Street.
- Install street lights to fill in the street lighting gaps along Hadley Street.

Safety Improvements (to be include with Bike Lane Alternatives 1 or 2)

- The project shall include speed tables on Hadley Street between Central Avenue and 1st Street, on E. Tonto between Central Avenue and 1st Street and on 1st Street, 2nd Street and 3rd Street within the first block north of Buckeye Road.
- The project shall include isolated locations of new sidewalk to fill in the gaps of missing sidewalk and curb ramps where not currently exist.

Project Benefits

- Stakeholders have identified the need for an east-west bicycle corridor in the Grant Park neighborhood, Hadley Street extends from 7th Avenue to 4th Street and intersects north-south corridors to access Downtown Phoenix.
- Stakeholder has identified the need for additional traffic calming in the neighborhood within the first blocks east of Central Avenue and north of Buckeye Road
- The project will include trees to provide shade, and street lighting along Hadley Street.

Key Destinations

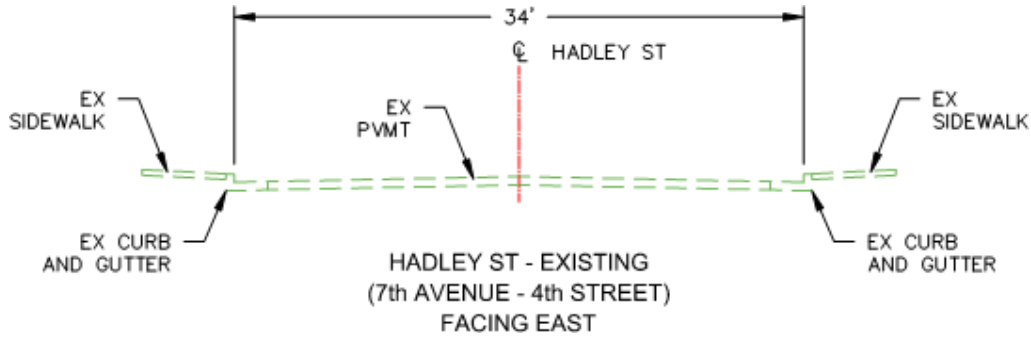
- 7th Avenue bus stops
- Future Central Avenue light rail
- Grant Park
- Central Park
- North-south corridors to Downtown Phoenix

Current Conditions

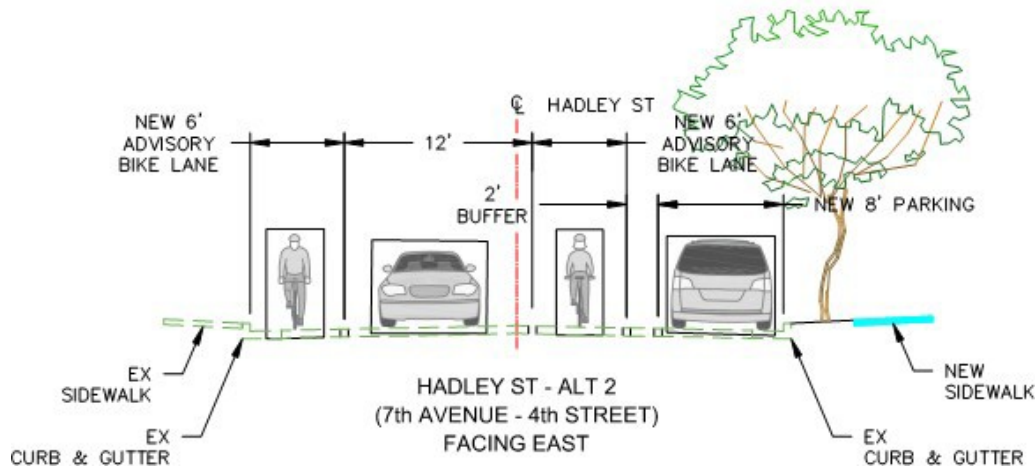
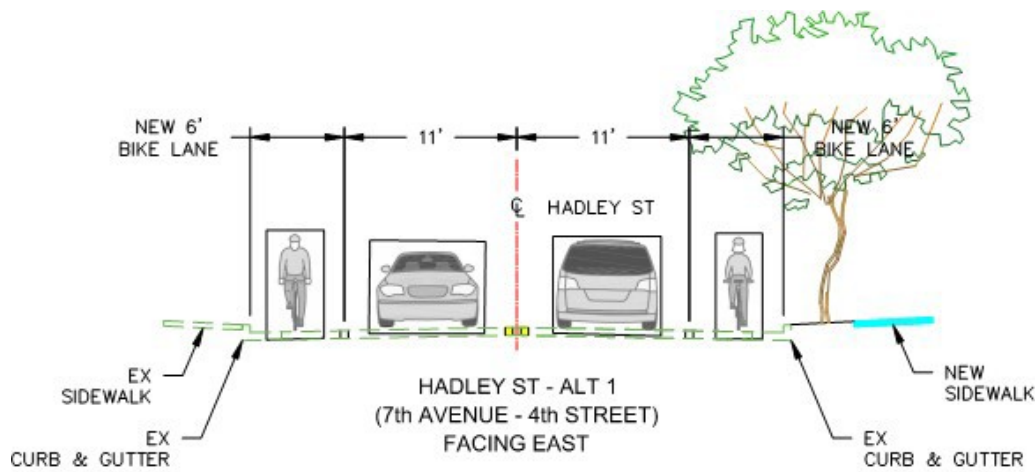
- Currently, Hadley Street does not have bicycle lane striping and has limited trees for shade and low street lighting in some areas.

Proposed Conditions Report

Cross-Section - Existing



Cross-Section - Proposed



Project Delivery Constraints

- Utility coordination shall be necessary to construct the lighting and HAWKsignal improvements.

Project Costs

Project Name	Cost – Alt 1	Cost – Alt 2	Cost – Safety Improvements	Schedule (Months)
Construction Phase	\$130,630	\$130,630	\$267,760	4
Right-of-Way Acquisition	\$0	\$0	\$0	0
Design and Construction Admin Fee (35%)	\$45,720	\$45,720	\$93,720	6
<i>Project Total</i>	<i>\$176,350</i>	<i>\$176,350</i>	<i>\$361, 480</i>	<i>10</i>

Project Summary Sheet B3: Pima Street and Mohave Street Bike Improvements, 7th Avenue to 7th Street

Project Description

- Pima Street and Mohave Street are shown to have bike lanes in the City of Phoenix Master Bike Plan. The proposed project will improve the existing bicycle facilities along Pima Street and along Mohave Street.
- The proposed improvements will include the installation of bike lanes and markings
 - along Pima Street and Mohave Street between Central Avenue and 7th Street.

*Photo 17 - Pima St, West of 3rd Ave,
Looking West*



Project Benefits

- The proposed improvements will improve safety for bicycle users along the Pima Street and Mohave Street.

Key Destinations

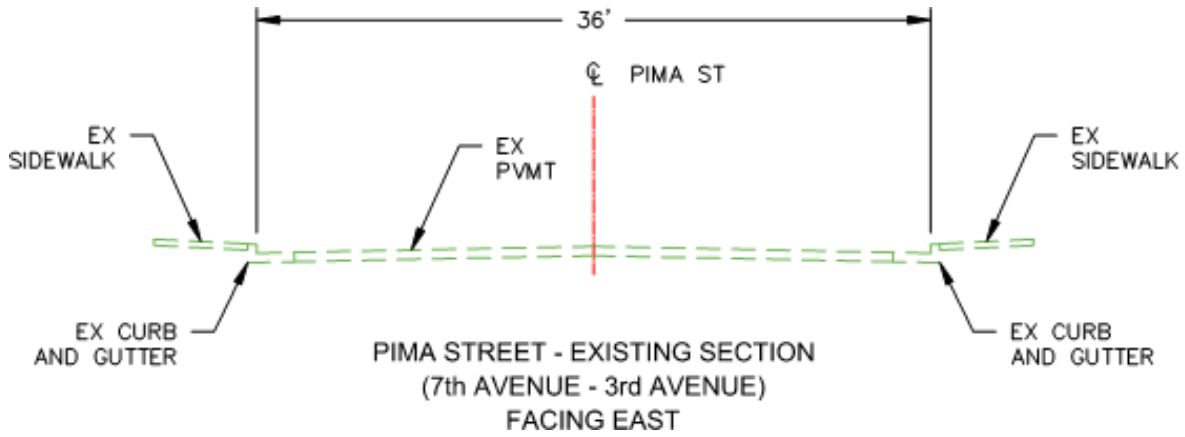
- 7th Avenue bus stops
- Central Avenue bus stops
- 7th Street bus stops

Current Conditions

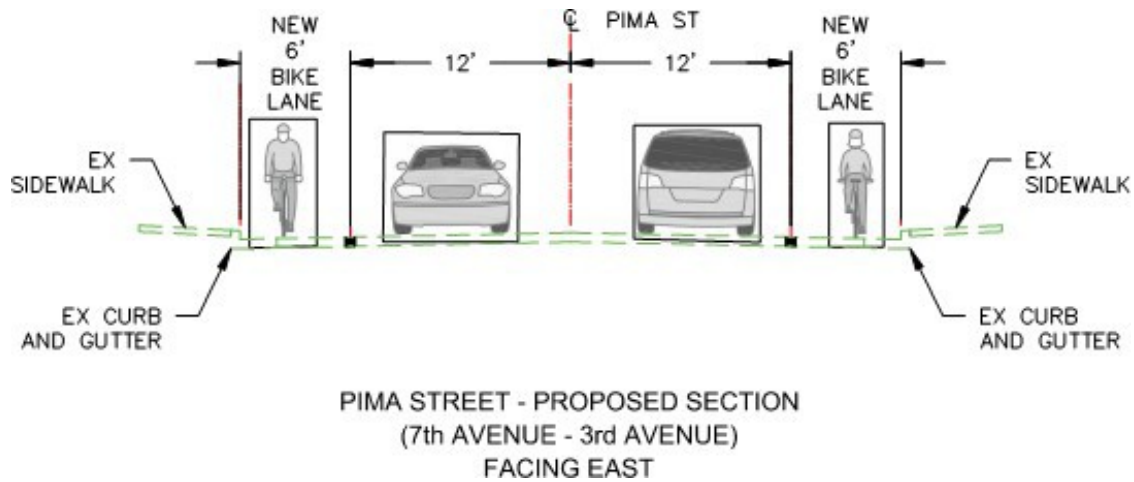
- Currently, Pima Street and Mohave Street are designated as existing bikeways in the City of Phoenix Master Bike Plan. The existing bikeway currently does not have any existing bike markings.

Proposed Conditions Report

Cross-Section – Before

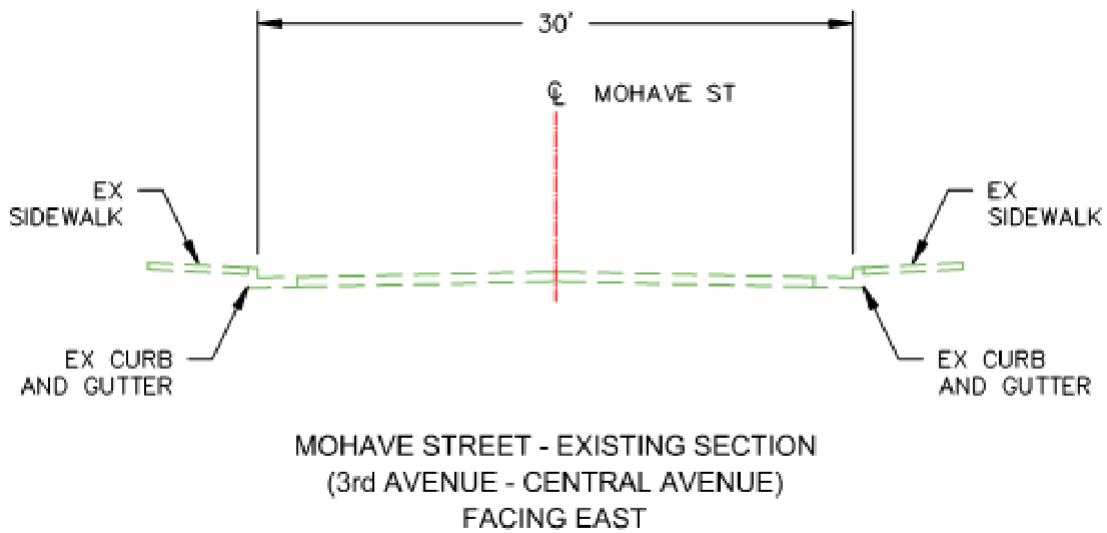


Cross-Sections – Proposed

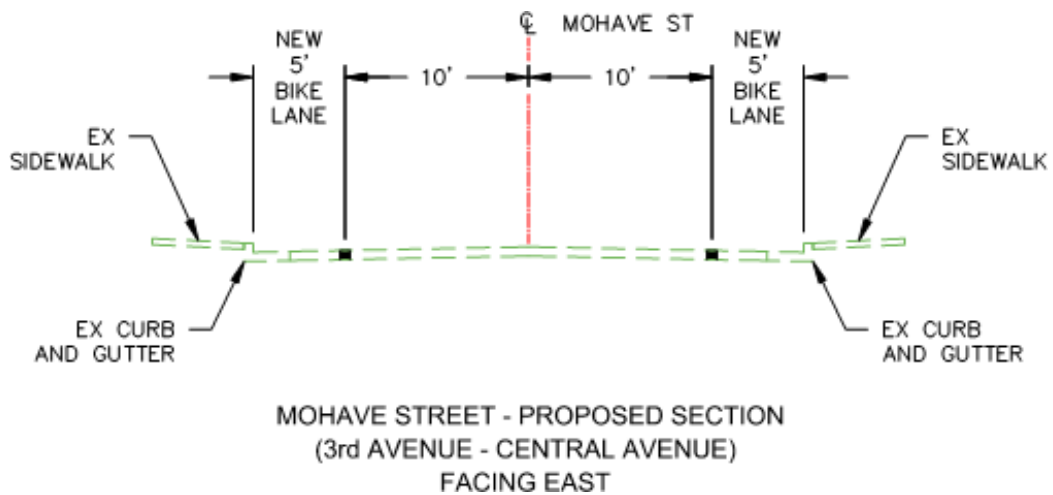


Proposed Conditions Report

Cross-Sections - Before

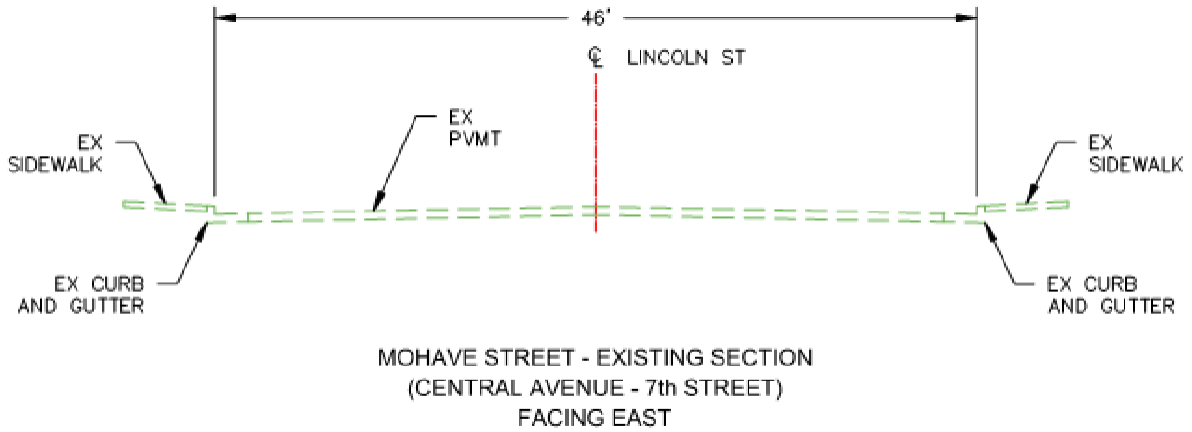


Cross-Sections – Proposed

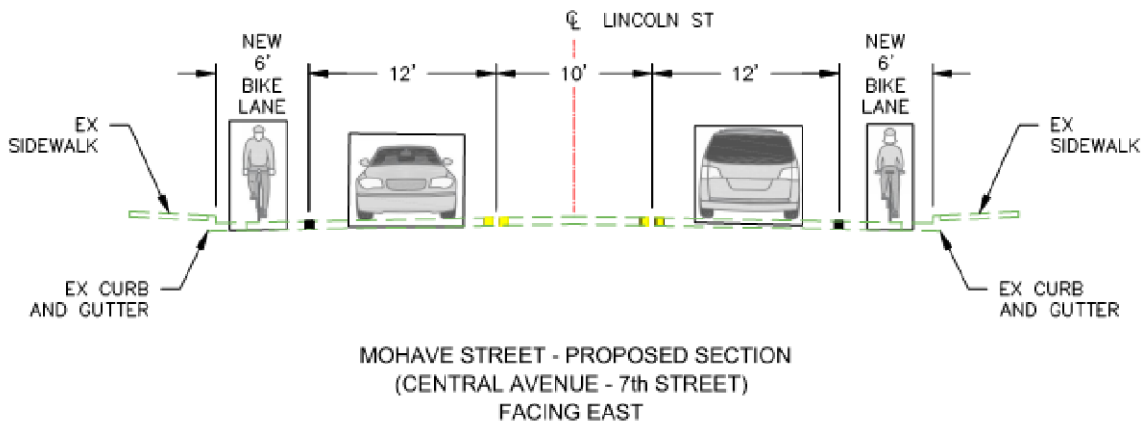


Proposed Conditions Report

Cross-Sections - Before



Cross-Sections - Proposed



Project Delivery Constraints

- No constraints identified.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$71,350	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$24,980	2
<i>Project Total</i>	<i>\$96,330</i>	<i>4</i>

Project Summary Sheet B4: Lincoln Street Bike Lanes, 1st Street to 7th Street

*Photo 18 - Lincoln St, West of 1st St,
Looking East*

Project Description

Lincoln Street Bike Lanes – Alternative 1

- The project will include the installation of shared lane markings along Lincoln Street, between 1st Street and 7th Street to provide continuous bicycle markings between 7th Avenue and 7th Street.

Lincoln Street Bike Lanes – Alternative 2

- The project will include a warrant analysis to determine if the side by side left turns (east to north and west to south) on Lincoln Street between Central Avenue and 1st Avenue are warranted. If not warranted, restripe the street to add bike lanes.
- Restripe the Lincoln Street to 6 ft bike lanes and two 10.5 ft. lanes in the eastbound and westbound directions eliminating the two-way left turn lane between 1st Street and 7th Street.



Project Benefits

- The proposed improvements will complete the bicycle markings along Lincoln Street and improve safety for bicycle users along this corridor.

Key Destinations

- 7th Avenue bus stops
- Central Avenue bus stops
- 7th Street bus stops

Current Conditions

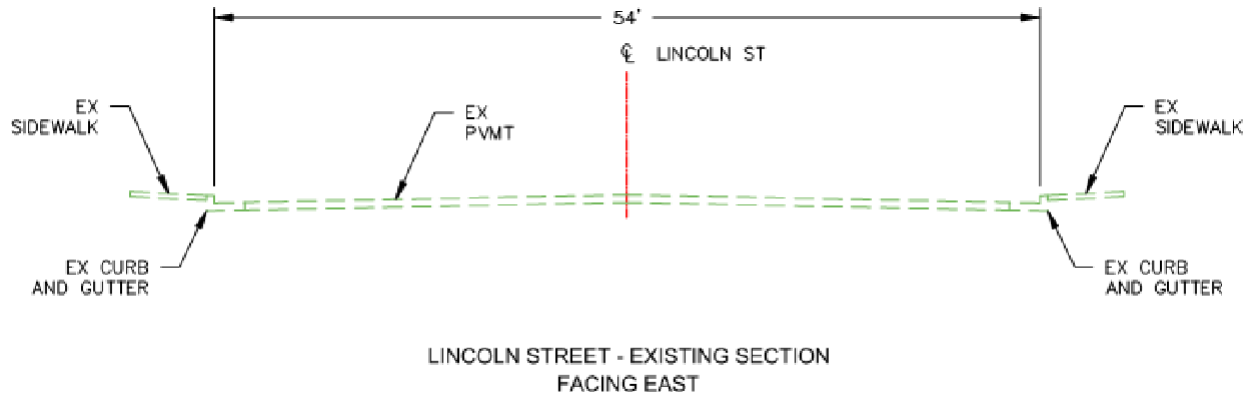
- Currently, Lincoln Street has bike lanes in each direction between 7th Avenue and 2nd Avenue, and shared lane markings between 2nd Avenue and 1st Street.
- Currently, there are no bike markings between 1st Street and 7th Street.

Proposed Conditions Report

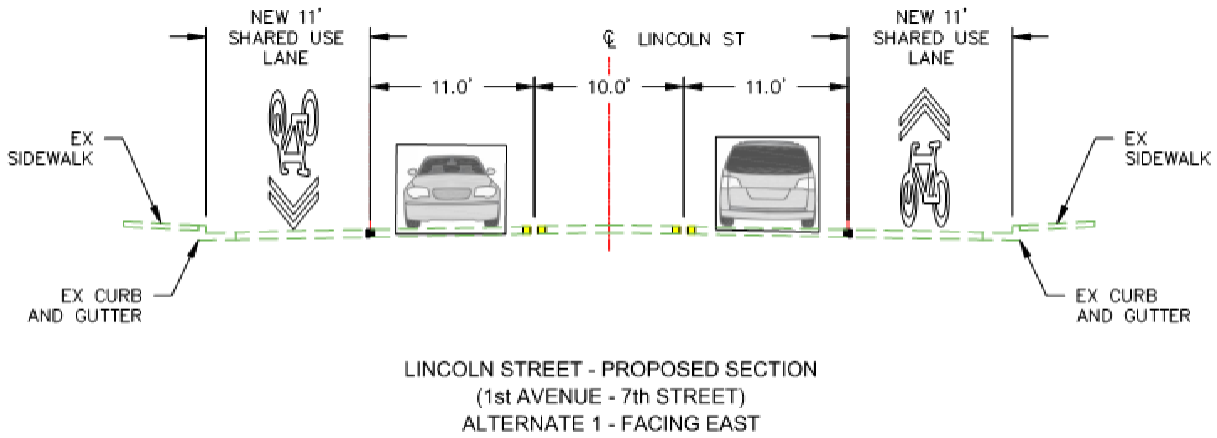
- Lincoln Street width, curb to curb between 1st Street and 7th Street is 54 ft. and consists of two 11 ft. travel lanes in the eastbound and westbound directions and a 10 ft. two-way left turn lane.
- Currently there are side by side left turns (east to north and west to south) on Lincoln Street between Central Avenue and 1st Avenue.

Proposed Conditions Report

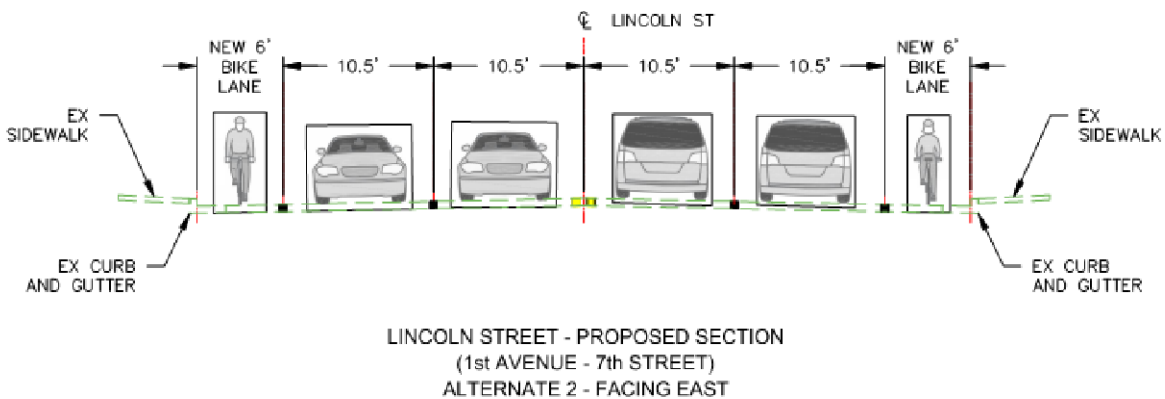
Cross-Section – Before



Cross-Sections – Proposed Alternate 1



Cross-Sections – Proposed Alternate 2



Project Delivery Constraints

- No constraints identified.

Project Costs

Project Name	Cost – Alt. 1	Cost – Alt. 2	Schedule (Months)
Construction Phase	\$31,520	\$66,590	2
Right-of-Way Acquisition	\$0	\$0	0
Design and Construction Admin Fee (35%)	\$11,040	\$23,310	2
<i>Project Total</i>	<i>\$42,560</i>	<i>\$89,900</i>	<i>4</i>

Project Summary Sheet TS1: 7th Avenue / Hadley Street HAWK Beacon

Project Description

- The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon on 7th Avenue at Hadley Street.
- The project will include pavement markings and signage.

Project Benefits

- Stakeholders have requested a HAWK beacon at this location. A HAWK beacon will provide a safe location to cross 7th Avenue between Buckeye Road and Grant Street.
- Vista College Prep charter school is located on the east side of 7th Avenue and Matthew Henson Apts. are on the west side. The HAWK beacon will provide a safe crossing to these destinations.

Key Destinations

- Vista College Prep Charter School
- Matthew Henson Apts.

Current Conditions

- Stakeholders have observed several pedestrians trying to cross 7th Avenue between Buckeye Road and Grant Street.

Project Exhibit

- Map 5 shows the location of the proposed improvement.

Project Delivery Constraints

- The proposed improvements will require utility coordination to construct the HAWK signal.

- *Photo 19 - 7th Ave, North of Hadley St, Looking South*



Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$285,000	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (35%)	\$99,750	4
<i>Project Total</i>	\$384,750	6

Photo 20 - Buckeye Rd, 3rd St, Looking East

Project Summary Sheet

TS2: Buckeye Road / 3rd Street

HAWK Beacon

Project Description

- The project will include the installation a High Intensity Activated Crosswalk (HAWK) beacon on Buckeye Road at 3rd Street.
- The project will include pavement markings and signage.

Project Benefits

- A HAWK beacon will provide a safe location to cross Buckeye Road between Central Avenue and 7th Street. Buckeye Road is currently a barrier for pedestrians and bicycle users, a safe crossing at this location will eliminate the barrier.
- The proposed project will connect to a potential multi-use path along the 3rd Street corridor to the Salt River trail.

Key Destinations

- 3rd Street bikeway

Current Conditions

- Currently, there is not a safe location for pedestrians and bike users to cross Buckeye Road.

Project Exhibit

- Map 5 shows the location of the proposed improvement.

Project Delivery Constraints

- The proposed improvements will require utility coordination to construct the signal.



Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$285,000	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (25%)	\$99,750	4
<i>Project Total</i>	<i>\$384,750</i>	<i>6</i>

*Photo 21 –7th Street, Pima Street
looking North*

Project Summary Sheet

TS3: 7th Street / Pima Street HAWK Beacon

Project Description

- The project will include the installation a High Intensity Activated Crosswalk (HAWK) beacon on 7th Street at Pima Street.
- The project will include pavement markings and signage.

Project Benefits

- A HAWK beacon will provide a safe location to cross 7th Street between Buckeye Road and the I-17. 7th Street is currently a barrier for pedestrians and bicycle users, a safe crossing at this location will eliminate the barrier.

Key Destinations

- Pima Street is a great east-west connector in this part of town.

Current Conditions

- Currently, there is not a safe location for pedestrians and bike users to cross 7th Street in this area.

Project Exhibit

- Map 5 shows the location of the proposed improvement.

Project Delivery Constraints

- The proposed improvements will require utility coordination to construct the signal.



Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$285,000	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (25%)	\$99,750	4
<i>Project Total</i>	<i>\$384,750</i>	<i>6</i>

Project Summary Sheet TS4: Buckeye Road / 5th Avenue HAWK Beacon

Project Description

- The project will include the installation of a High Intensity Activated Crosswalk (HAWK) beacon at the intersection of Buckeye Road and 5th Avenue.
- The project will include pavement markings and signage.

Project Benefits

- A HAWK beacon will provide a safe location to cross Buckeye Road between Central Avenue and 7th Avenue. Buckeye Road is currently a barrier for pedestrians and bicycle users, a safe crossing at this location will eliminate the barrier.

Key Destinations

- Harmon Library
- Phoenix Memorial Hospital
- Vista Preparatory College

Current Conditions

- Currently, there is not a safe location for pedestrians and bike users to cross Buckeye Road between Central Avenue and 7th Avenue.

Project Exhibit

- Map 5 shows the location of the proposed improvement.

Project Delivery Constraints

- The proposed improvements will require utility coordination to construct the signal.

*Photo 22 - Buckeye Rd, 5th Ave,
Looking East*



Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$285,000	2
Right-of-Way Acquisition	\$0	0
Design and Construction Admin Fee (25%)	\$99,750	4
<i>Project Total</i>	<i>\$384,750</i>	<i>6</i>

**Project Summary Sheet
P1: 3rd Street Multi-Use Path
and Bike Lane, various
locations along 3rd Street
alignment between Salt River
and Buckeye Road**

Project Description

- The project will include the installation of a new multi-use path along the 3rd Street alignment at various locations between the Salt River and Buckeye Road.
- The project will include shared bike lanes, a new concrete path, trees, lighting, and landscaping.

Project Benefits

- The project will connect the 3rd Street bikeway and the Salt River trail system.

Key Destinations

- Downtown Phoenix
- Salt River

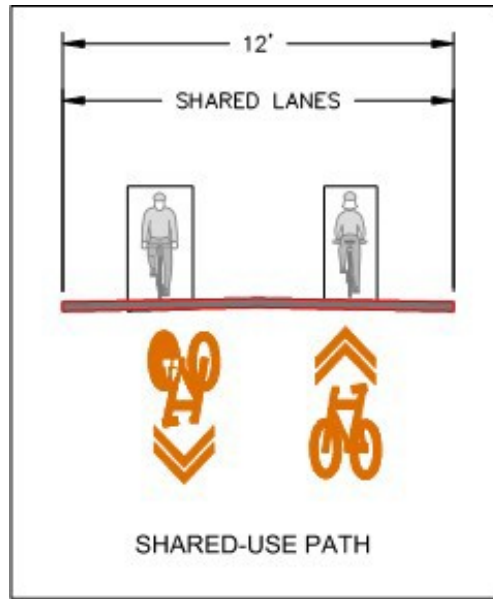
Current Conditions

- Currently, there is no connectivity between the 3rd Street alignment and the Salt River Trail system. There are gaps in the system between the Salt River and Durango Street, and between Pima Street and Buckeye Road.

*Photo 23 - 3rd St Underpass, I-17,
Looking South*



Cross-Section – Shared Use Path



Project Delivery Constraints

- The proposed improvements will require right of way acquisition.
- The proposed improvements will require utility coordination.

Project Costs

Project Name	Cost	Schedule (Months)
Construction Phase	\$1,827,620	8
Right-of-Way Acquisition	\$894,240	8
Design and Construction Admin Fee (25%)	\$639,670	8
<i>Project Total</i>	<i>\$3,361,530</i>	<i>24</i>