

# PHOENIX MOBILITY STUDY

# Eastlake/Garfield Neighborhoods Mobility Area #11

**Final Report** 

November 2019

Prepared for:



City of Phoenix Street Transportation Department 200 West Washington Street Phoenix AZ 85003

Prepared by:

Michael Baker

Michael Baker International, Inc. 2929 North Central Avenue, Suite 800 Phoenix AZ, 85



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# MOBILITY AREA #11 OVERVIEW

Illustrated in **Figure 1**, the T2050 Mobility Assessment Area #11 (MA 11) is located just east of Downtown Phoenix and northwest of Phoenix Sky Harbor International Airport. MA 11 is generally bounded by Interstate 10 (I-10) to the north, Jackson Street to the south, I-10 to the east, and 9<sup>th</sup> Street to the west. MA 11 includes a mix of single and multi-family residential neighborhoods, public housing, schools, parks, and several retail centers.

The light rail traverses the study area along Washington and Jefferson Streets, with stations in both directions at 12<sup>th</sup> Street. The area adjacent to the 12<sup>th</sup> Street stations has potential capacity for transit-oriented development and several dense residential projects are currently underway. The 12<sup>th</sup> Street stations serve a major mobility hub for the community and enhancing connections to and from the station is critical.

MA 11 also contains two of the oldest residential communities in Phoenix; Eastlake and the Garfield neighborhoods.

Eastlake is the larger of the two covering the area east of 16<sup>th</sup> Street between Moreland and Jackson Street. St. Luke's Medical Center, Pro's Ranch Market, and Edison Elementary School and Park are some of the major destinations within the Eastlake Neighborhood. South of Roosevelt Street is unique as it has a mix of vacant land, light industrial, commercial, warehouses, and multi-family housing. The northeast corner of the neighborhood has the most character with many single-story ranch-style homes.

In the southern half of the Eastlake neighborhood, single-family homes, small businesses, churches, and schools, including Faith North and Shaw Elementary, characterize the Eastlake Park neighborhood. Homes generally date back to the 1940s and 50s. Just south of Eastlake, along Jackson Street, is an industrial zone and rail yard.

The Garfield Neighborhood makes up the northwest corner of MA 11 and is approximately a half-mile from the light rail stops at 12<sup>th</sup> Street. The neighborhood is one of Phoenix's first streetcar neighborhoods, with some housing dating back to the 19th century. Many properties are currently being restored and renovated, and there has been an increase in construction throughout the neighborhood. Verde Park, and Garfield Elementary are prominent locations, and the neighborhood is known for its active artist community, including Alwun House, a non-profit art gallery and notable landmark.





# Figure 1: Mobility Area #11 Study Area Boundary

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T2050 Mobility Assessment Area #11: Final Report



## Assets & Key Destinations

Assets are the primary destinations and trip generators of the community. These include major employers, schools, historic buildings, community organizations, initiatives, institutions and infrastructure. Asset mapping helps inform the planning process by creating an inventory for preserving, improving or further supporting the areas existing resources, while also identifying where residents and visitors will likely be traveling to and from. The major assets within MA 11 are depicted in **Figure 2** and listed below:

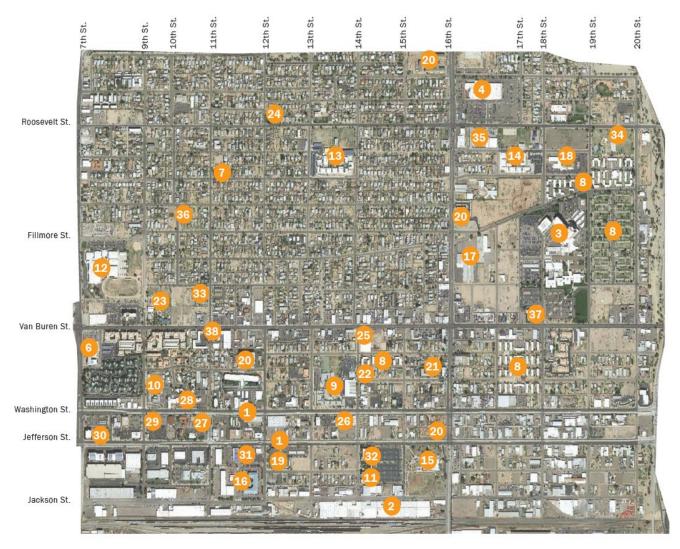
- 1. Valley Metro Light Rail Stop
- 2. Produce Distributor
- 3. St. Luke's Medical Center
- 4. Pro's Ranch Market
- 5. Downtown
- 6. Children's Museum of Phoenix
- 7. Historic Neighborhood
- 8. Public Housing
- 9. Shaw Elementary School
- 10. Faith North Montessori School
- 11. Teleos Preparatory Academy
- 12. ASU Preparatory Academy
- 13. Garfield Elementary School
- 14. Edison Elementary School
- 15. Eastlake Park
- 16. Phoenix Fire Department
- 17. Former Goodwill/Academy
- 18. Economic Security Department
- 19. New Times Building
- 20. Senior Housing
- 21. Booker T. Washington Child Development Center
- 22. Phillips Memorial CME Church
- 23. Verde Park
- 24. La Tolteca
- 25. Arnold's Pickle House
- 26. Helen K. Mason Performing Arts Center
- 27. CO+HOOTS Coworking Space & Beneficial Beans Coffee Shop
- 28. Azteca Bridal Wedding Plaza
- 29. Immaculate Heart of Mary Catholic Church
- 30. Historic Tanner Chapel AME Church

- 31. First Institutional Baptist Church
- 32. Pilgrim Rest Baptist Church
- 33. Fire Station
- 34. Edison Park
- 35. Maricopa County Public Health Clinic
- 36. New Pathways Center for Youth
- 37. Southwest Autism Research & Resource Center (SAARC)
- 38. 11<sup>th</sup> Street Bicycle & Pedestrian Improvements





# Figure 2: Key Destinations



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# **PROPOSED RECOMMENDATIONS**

During the first phase of the project, the consultants performed necessary fieldwork, data gathering, and a thorough analysis of existing conditions through a mobility improvements walkabout and a pedestrian, bicycle, and transit facility adequacy analysis. Community stakeholders and city staff were also involved to voice their concerns and project objectives to aid in the identification of lacking infrastructure and showcase deficiencies/gaps in the network. Refer to the Current Conditions report (Appendix A) for more information's pertaining to the existing conditions of the Mobility Area.

The goal of the mobility study is to propose recommendations to facilitate safe, convenient, and enhanced walking, biking, and transit trips from homes to local destinations. **Table 1** shows a list of 20 prioritized mobility recommended projects that address the identified needs of the East Lake/Garfield Mobility Area. Each project includes a description of the project and what improvements will be made. **Figure 3** illustrates the location of the proposed mobility recommendations with a corresponding map identification number from **Table 1**. The recommendations are displayed in the following categories:

- Curb ramps;
- Sidewalks;
- Street lighting;
- Trees/shade;

- Traffic control/calming
- Mid-block crossings
- Bike facilities; and
- Pedestrian crossing.

Traffic calming recommendations are tools used with the goal of reducing vehicle speed and improving the safety of motorists, pedestrians, and bicyclists. Roosevelt Street and 9<sup>th</sup> Street were identified as roadways experiencing higher vehicle speeds because motorists used them to bypass congestion on arterial roads such as 7<sup>th</sup> Street, Van Buren Street, and McDowell Road. Multiple traffic calming projects were recommended on Roosevelt Street and 9<sup>th</sup> Street in response to the higher vehicle speeds.

Pedestrian categorized projects include recommended mid-block crossings, newly or freshly striped crosswalks, and sidewalk improvement or construction projects. For example, Project Number 6 – 16<sup>th</sup> Street and Portland Street Mid-Block Crossing includes a recommended High Intensity Activated Crosswalk (HAWK) signal with high-visibility crosswalks to allow users to cross 16<sup>th</sup> Street safely.

Bicycle recommendations are corridor specific projects that either enhance an existing bicycle facility or the introduction of bicycle infrastructure. For instance, Project Number



33 – Roosevelt Street Buffered Bike Lane, is a project that improves an existing facility. The majority of Roosevelt Street currently has a bike lane within the mobility area, however, between 16<sup>th</sup> Street and 24<sup>th</sup> Street there is sufficient space to accommodate a horizontal buffer between the travel lanes and the existing bike lanes. On the other hand, the Project Number 28 – Roosevelt Street Bike Lane Extension at Shared-Lane Markings recommends extending the bike lanes on Roosevelt Street to the intersection of 10<sup>th</sup> Street and introduce shared-lane markings on Roosevelt Street between 9<sup>th</sup> Street and 7<sup>th</sup> Street.

Transit type recommendations are improvements to enhance accessibility to and from existing bus stops. An inventory of all bus stops within the mobility area was conducted to identify which stop where not ADA compliant, so the transit projects all recommend improve or retrofitting the non-ADA complaint bus stops. A total of six bus stops were identified within the mobility area. Four bus stops along Valley Metro Bus Route 10 on Roosevelt Street and two stops along Valley Metro Bus Route 16 on 16<sup>th</sup> Street.

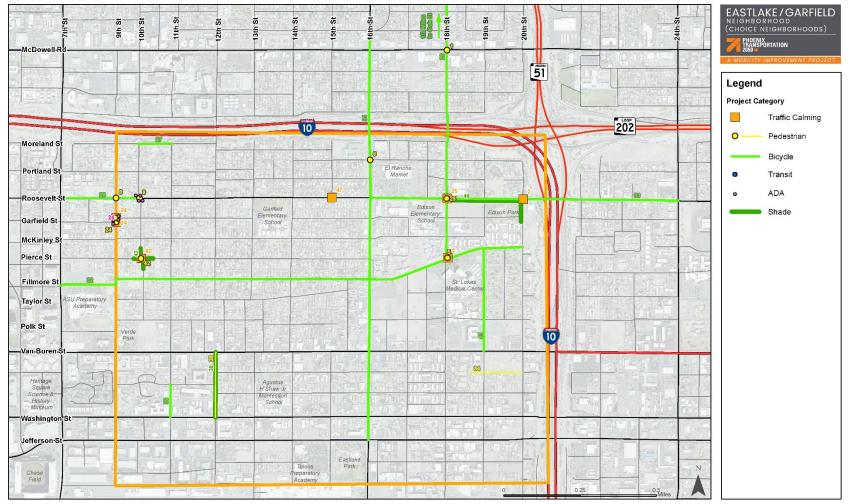
American Disability Act (ADA) projects simply identify the existing curb ramps within the Eastlake Neighborhood Mobility Area that are currently non-ADA complaint. A total of 341 ramps were identified as non-ADA complaint. The City has an ongoing initiative in place to replace and/or update all non-ADA complaint ramps within city limits. For this study, we identified which non-ADA complaint ramps can be updated with the implementation of another proposed recommendation. A total of 30 ramps can be updated at six different project locations.

Shade projects are unique in that they are recommendations that include shade in the form of trees and/or shade structures. The City adopted a Tree and Shade Master Plan in 2010 and has been making progress to provide more shade to create healthier and more comfortable pedestrian environments. In this study, there was three projects identified that could incorporate shade as an additional ingredient. For example, Project Number 48 – Edison Park Beautification includes planting trees on the northern and eastern boundary of Edison Park along Roosevelt Street and 20<sup>th</sup> Street. This project will introduce more shade to the park and the adjacent sidewalks.





# Figure 3: Top 20 Prioritized Mobility Recommendations





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# **Prioritization of Proposed Recommendations**

It can be a challenge to equitably compare projects across varying project types, especially with variation in cost, complexity, and project type. In response, the City worked with the consultant to develop a set of evaluation criteria and weighting as an instrument to rank and prioritize the various recommendations. The projects with the highest scores will ultimately rank above the projects with lower scores. The project prioritization tool was set up on a 100-point scale with the following six prioritization categories:

- 1. Safety (36 Possible Points);
- 2. Connectivity (20 Possible Points);
- 3. Public Input (20 Possible Points);
- 4. Deliverability/Constructability (10 Possible Points);
- 5. Project Cost (10 possible points); and
- 6. Project Bundling (4 possible points).

The purpose of the prioritization tool is to take the complete list of all 50 proposed mobility recommendations to reach a more fiscally constrained list of projects for implementation, which are the Top 20 highest scoring projects. The evaluation criteria and weighting tool was strategically prioritized to yield an advantage for safety and connectivity as central goals of the Mobility Study. However, even though the preliminary list of the 50 recommendations was developed by the project team, a fundamental element to the prioritized projects were developed by the biking and walking experts - the residents themselves. Residents and other members of the public were engaged in the process at a Community Open House where they provided feedback and gave their input on the proposed recommendations. The public also had an opportunity to solicit and provide community feedback on project recommendations and prioritization through a community preference survey. The community preference survey was provided as a hard copy as well as listed on the City's website. These results accounted for 20% (20 points) of the prioritization results. An additional 10 possible bonus points was awarded based on the rank of the Mobility Area. Since the Eastlake/Garfield Neighborhood Mobility Area was one of the highest priority mobility assessment areas in the city, each project was awarded an additional 5 points. Refer to **Appendix B** for the results of the prioritization criteria for each of the preliminary 50 proposed mobility recommendations.





# Table 1: Proposed Mobility Recommendations

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
1	Roosevelt Street Bike Lane Improvement	Roosevelt Street	16 <sup>th</sup> Street to 24 <sup>th</sup> Street (1 mile)	Bicycle facility	Project includes a new striped buffer for the existing bike lane on Roosevelt Street from 16 <sup>th</sup> Street to 24 <sup>th</sup> Street for approximately 1-mile. The travel lanes currently within the project limits vary in width from 13 feet to over 16 feet, allowing for the introduction of a 2- to 5-foot buffer while maintaining 11-foot travel lanes. The buffers would need to terminate approaching signalized intersections at 16 <sup>th</sup> Street, 20 <sup>th</sup> Street, and 24 <sup>th</sup> Street. The project would also include the introduction of a 10-foot by 10-foot bike box with green pavement markings for the westbound bike lane at the intersection of 16 <sup>th</sup> Street. The bike lane and right turn lane currently share space, so the bike box would provide dedicated space for westbound cyclists waiting at a red light at 16 <sup>th</sup> Street. Required Yield to Bicyclist signage would also be included.		95	33
2	Edison Park Shade TreesEdison Park-ShadePlant shade trees (24" box) every 50 feet on center along the south side of Roosevelt Street the between 18th Street and 20th Street (1185 ft) – totaling 25 trees.Plant shade trees (24" box) every 50 feet on center adjacent to 20th Street along the east side of Edison Park (360 ft) - totaling 7 trees.		\$112,004	94	48			
3	Fillmore/Villa Street Bike Facility	Fillmore/ Villa Street	20 <sup>th</sup> Street to 7 <sup>th</sup> Street (1.55 miles)	Bicycle Facility	The entire project requires two valves, one backflow with a cage, one 1" meter, and one controller.         Construct an 8-foot two-way cycle track on the south side of Villa Street from 20th Street to 18th Street.         Stripe two 6-foot bike lanes with 2-foot buffer from 18th Street to 16th Street. Sequential shared-lane markings with green stamps on Fillmore Street to 7th Street.         A center Lane Stripe is required on Fillmore Street between 16th Street and 7th Street.		94	32
4	19th Street Bike Facility19th Street (1.34 miles)19th Street to Villa Street (0.34 miles)19th Street to Villa Street (0.34 miles)Bicycle FacilityBicycle FacilityTwo-way cycle tracks (also known as protected bike lanes, separated bikeways, and on-street bike paths) are physically separated cycle tracks that allow bicycle movement in both directions on one side of the road. This project includes the construction of a 12-foot two-way cycle track on 19th Street and Van Buren Street. This two-way cycle track would be separated from the vehicular lanes by appropriately spaced plastic bollards.Two-cycle tracks dedicate and protect space for bicyclists by improving perceived comfort and safety. They also eliminate risk and fear of collisions with over-taking vehicles and are more attractive to a wide range of bicyclists at all levels and ages.		\$135,665	94	41			
5	18 <sup>th</sup> Street and Roosevelt Road Intersection Improvement	18 <sup>th</sup> Street and Roosevelt Street	-	Traffic Calming/Control Mid-block Crossing Pedestrian	The project includes the construction of a raised intersection at the intersection of 18th Street and Roosevelt Street. A raised intersection is essentially a speed table for the entire intersection, with ramps on each vehicle approach, which elevate the entire intersection to the level of the sidewalk. The project includes a HAWK mid-block crossing with high-visibility crosswalks. There would be pedestrian advanced warning signage on the east and west legs of the intersection. Street lighting will also be included to light the intersection during the evening.	\$1,191,099	90	25



A MOBILITY IMPROVEMENT PROJECT

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
6	18 <sup>th</sup> Street Bike Facility	18 <sup>th</sup> Street	Villa Street to Oak Street (1.2 miles)	Bicycle Facility	Stripe a 5-foot bike lane in both directions on 18th Street from Villa Street to McDowell Road for approximately 0.7 miles. The bike facility will then shift into a signed bicycle route north of McDowell Road to Oak Street for approximately one-half of a mile. This bike route would connect the Phoenix Bicycle Boulevard, as well as the East Lake-Garfield neighborhood, to the Oak Street Bike Route, which has one of the only pedestrian bridges over SR- 51.		90	29
7	10 <sup>th</sup> Street and Pierce Street Intersection Improvement	10 <sup>th</sup> Street and Pierce Street	-	Traffic calming Pedestrian Shade Pedestrian/bicycle Lighting	This project includes trees on all legs of the intersection with 20 trees per leg. Palo Verde or Mesquite trees serve as a most viable option due to their resiliency in desert climates, canopy, and low cost of maintenance. The project also includes the construction of a raised intersection at 10 <sup>th</sup> Street and Pierce Street, primarily along Pierce Street alignment. The intersection would include striped white crosswalks with additional pedestrian crossing signage at all four legs of the intersection. The crosswalks are a low-cost improvement that will enhance the crossing experience for users accessing Gallo Blanco, New Pathways for Youth Community Center, Welcome Dinner and the surrounding residential uses, while the trees create walkable streets and vibrant pedestrian places. The raised intersection will reduce the speed of vehicles on Pierce Street enhancing experience for users.		89	42
8	16 <sup>th</sup> Street and Portland Street Mid- Block Crossing	6th Street nd Portland treet Mid- lock rrossing16th Street and Portland StreetMid-block crossingConstruct a HAWK mid-block crossing with high-visibility crosswalks at 16th Street and Portland Street. The project would also include arterial street level ADA compliant curb ramps the east and west sides of 16th Street. LED street lights are also recommended to be included in the project to light the area during dusk and evening hours.This HAWK would significantly enhance connections to Edison Park, St. Luke's Medical Campus, 18th Street Pedestrian Bridge, and most importantly El Rancho Market. A pedestrian fatality		\$372,615	85	6		
9	Moreland Street Bike Lane ExtensionMoreland Street in (30 feet)Mid-block crossing PedestrianExtend bike lanes in each direction on Mooreland Street to connect with the 10th Street Pedestrian Bridge over I-10. The extension would be approximately 630 feet between the 10th Street Pedestrian Bridge and the intersection of Moreland Street and 11th Street. The project would also include the reconfiguration of the ramps at 10th Street pedestrian bridge over I-10.Moreland Street (630 feet)10th Street (630 feet)Mid-block crossing PedestrianExtend bike lanes in each direction on Mooreland Street and 11th Street. The project would also include the reconfiguration of the ramps at 10th Street pedestrian bridge over I-10.The extension of this bike lane will provide a dedicated area for the cyclists on Moreland Street and will create a full connection to the 10th Street Pedestrian Bridge over I-10.		\$138,757	85	27			
10	9 <sup>th</sup> Street and Garfield Intersection Improvement	9 <sup>th</sup> Street and Garfield Street	-	Traffic Calming Curb Ramps PedestrianConstruct two traffic calming chicanes/curb bulb-outs on 9th Street. One on the north leg on the east side of the street, and the other on the south leg on the west side of the street.Install ADA complaint curb ramps with truncated domes at the six curb ramp locations at the intersection of 9th Street and Garfield Street.Repaint crosswalks and add signage to enhance pedestrian crossing		\$165,410	84	24



MOBILITY IMPROVEMENT PROJECT

Project Rank Route(s) **Project limits Project Type Project Description** Name Stripe a 6-foot buffered bike lane with 4-foot buffer for approximately 1.34 miles from Jef Jefferson Street Street to Almeria Street. 16th Street Bicycle Facility 11 16<sup>th</sup> Street to Almeria Road **Bike Facility** Traffic Control/calming (1.34 miles) This project would require the removal of one southbound lane for the additional 10 feet to fit the buffered bike lane on each side of 16th Street. 9<sup>th</sup> Street Construct white crosswalks at all legs of the intersection of 9th Street and Roosevelt Stre and 9<sup>th</sup> Street pedestrian crossing signage. Roosevelt and Pedestrian 12 Street These crosswalks are a low-cost solution that will significantly enhance connections to W Roosevelt Intersection Dinner, Watermill Express, GRID Bike Share Dock, the surrounding homes, and the mar Street Improvement users along 7th Street. Washington Widen the sidewalk on the west side of 12th Street between Van Buren Street and Washi Street to Van Street from 4 feet to 6 feet - approximately 1108 feet. 12<sup>th</sup> Street Sidewalk 12<sup>th</sup> Street 13 **Buren Street** Improvement Shade Plant shade trees (24" box) every 100 feet on both side of the sidewalk on 12<sup>th</sup> Street - to (1108 feet) trees. Construct a HAWK with three high-visibility crosswalks at 18th Street and McDowell Road 18<sup>th</sup> Street and 18th Street The recommendation also includes LED street lighting at the mid-block crossing to illumi McDowell and area. Pedestrian crossing 14 Road Mid-McDowell Street lighting ADA-compliant curb ramps currently exist at all corner of the intersection. Block Road Crossing Can be implemented when a conventional signal warrant is not met or where a convention signal is not desired due to the potential to increase traffic volumes on minor street appro Washington 11<sup>th</sup> Street Street to 15 Bike Lane 11<sup>th</sup> Street Bike facility Extend the Bike Lane on 11th Street to Washington Street for approximately 565 feet Monroe Street Extension (565 feet) Construct a traffic circle at the intersection of 15<sup>th</sup> Street and Roosevelt Street. 15<sup>th</sup> Street 15<sup>th</sup> Street Traffic circles (also known as mini roundabouts) lower speeds at minor intersection cross and are an ideal treatment for uncontrolled intersections. and 16 Roosevelt Traffic control/calming Roosevelt Mini roundabouts may be installed using simple markings or raised islands. This recomm Street Traffic Street



Calming

Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
<ul><li>Stripe a 6-foot buffered bike lane with 4-foot buffer for approximately 1.34 miles from Jefferson Street to Almeria Street.</li><li>This project would require the removal of one southbound lane for the additional 10 feet of asphalt to fit the buffered bike lane on each side of 16<sup>th</sup> Street.</li></ul>	\$371,304	83	31
Construct white crosswalks at all legs of the intersection of 9 <sup>th</sup> Street and Roosevelt Street with pedestrian crossing signage. These crosswalks are a low-cost solution that will significantly enhance connections to Welcome Dinner, Watermill Express, GRID Bike Share Dock, the surrounding homes, and the many land users along 7 <sup>th</sup> Street.	\$50,086	82	8
Widen the sidewalk on the west side of 12 <sup>th</sup> Street between Van Buren Street and Washington Street from 4 feet to 6 feet - approximately 1108 feet. Plant shade trees (24" box) every 100 feet on both side of the sidewalk on 12 <sup>th</sup> Street - totaling 23 trees.	\$459,848	82	38
Construct a HAWK with three high-visibility crosswalks at 18 <sup>th</sup> Street and McDowell Road. The recommendation also includes LED street lighting at the mid-block crossing to illuminate the area. ADA-compliant curb ramps currently exist at all corner of the intersection. Can be implemented when a conventional signal warrant is not met or where a conventional traffic signal is not desired due to the potential to increase traffic volumes on minor street approaches	\$589,142	81	1
Extend the Bike Lane on 11 <sup>th</sup> Street to Washington Street for approximately 565 feet	\$50,086	81	39
Construct a traffic circle at the intersection of 15 <sup>th</sup> Street and Roosevelt Street. Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections. Mini roundabouts may be installed using simple markings or raised islands. This recommendation includes the application of a raised island in conjunction with plantings that beautify the street and the surrounding neighborhood. There is enough space at the inspection to ensure available lane width and turning radius	\$212,378	81	47

A MOBILITY IMPROVEMENT PROJECT

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description		Evaluation Criteria Score	Map ID
17	20 <sup>th</sup> Street and Roosevelt Street Intersection Improvement	20 <sup>th</sup> Street and Roosevelt Street	-	Traffic Control/Calming Pedestrian crossing			80	2
18	18 <sup>th</sup> Street and Villa Street Intersection Treatment	18 <sup>th</sup> Street and Villa Street	-	Traffic control/calming Pedestrian crossing	Reconstruct Intersection to bring the curb in and reduce the curb radii Stripe high-visibility crosswalks at all legs of the intersection with the introduction of a stop bar at the west leg of the intersection Install 8 ADA-complaint curb ramps as well.		79	5
19	Monroe Street Sidewalk	Monroe Street	19 <sup>th</sup> Street to 20 <sup>th</sup> Street (919 feet)	Sidewalk	Construct 5' sidewalks on both sides of the street on Monroe Street from 19 <sup>th</sup> Street to 20 <sup>th</sup> Street.		77	34
20	Sidewalk       feet)         Crosswalk       Stripe a white cross walk with additional pedestrian crossing signage at all four legs of the intersection of 10 <sup>th</sup> Street         10 <sup>th</sup> Street       10 <sup>th</sup> Street         at 10 <sup>th</sup> Street       Dedestrian Crossing         Intersection of 10 <sup>th</sup> Street       Intersection of 10 <sup>th</sup> Street		\$70,846	76	9			

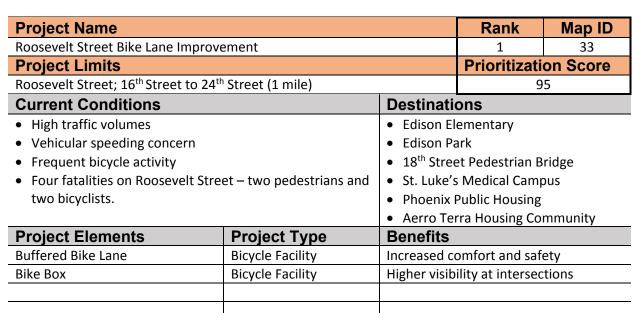


#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



## **Detailed Project Description**

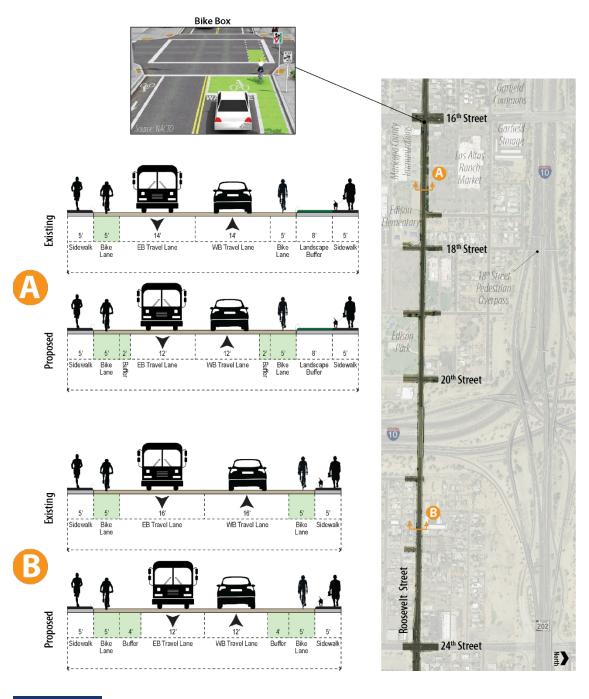
- Project includes a new striped buffer for the existing bike lane on Roosevelt Street from 16<sup>th</sup> Street to 24<sup>th</sup> Street for approximately 1-mile. The travel lanes currently within the project limits vary in width from 13 feet to over 16 feet, allowing for the introduction of a 2- to 5-foot buffer while maintaining 11-foot travel lanes. The buffers would need to terminate approaching signalized intersections at 16<sup>th</sup> Street, 20<sup>th</sup> Street, and 24<sup>th</sup> Street.
- The project would also include the introduction of a 10-foot by 10-foot bike box with green pavement markings for the westbound bike lane at the intersection of 16<sup>th</sup> Street. The bike lane and right turn lane currently share space, so the bike box would provide dedicated space for westbound cyclists waiting at a red light at 16<sup>th</sup> Street. Required Yield to Bicyclist signage would also be included.

Project Location		<b>Project Cost</b>	Estimates	
Coronado Rd z z z mcDo	well Rd	Design	\$	40,132
E Willetta St	E Wil	ROW	\$	-
E Culver St Banager Par	Ln AZ-	Construction	\$	26,101
E Portland S Roosevelt St E Ripsevelt St	24th-S	Other	\$	1,566
Foosevell St. Exclosevel St.	z	Grand Total	\$	73,281
Filmore St E Fillmore St 5		<b>Delivery Con</b>	siderations	
Arizona E Taylor St Z Middea Conter Van Buren St E Van Buren St E Monroe St		N/A		
Chase Field	E Washi Ierson St			
3rd St and St an	24th St			
Project Location	0			



Project Name	Rank	Map ID
Roosevelt Street Bike Lane Improvement	1	33
Project Limits	Prioritizati	on Score
Roosevelt Street; 16 <sup>th</sup> Street to 24 <sup>th</sup> Street (1 mile)	9	5

## Project Example Photos/Graphic



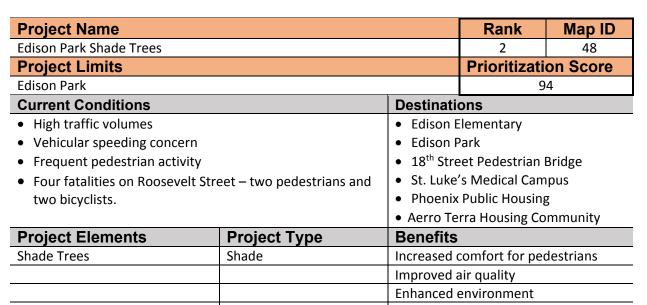
Michael Baker

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#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Plant shade trees (24" box) every 50 feet on center along the south side of Roosevelt Street the between 18<sup>th</sup> Street and 20<sup>th</sup> Street (1185 ft) – totaling 25 trees.
- Plant shade trees (24" box) every 50 feet on center adjacent to 20<sup>th</sup> Street along the east side of Edison Park (360 ft) - totaling 7 trees.
- The entire project requires two valves, one backflow with a cage, one 1" meter, and one controller.

Project Location	Project Cost I	Estim	nates	
	Design*			\$42,921
Coronado Rd 2 2 Project Location	ROW			\$-
McDowell Rd	Construction			\$66,122
E Willetta St	Other			\$2,961
	Grand Total			\$112,004
E Portland St ERIosevelt St	Delivery Cons	sidera	ations	
E McKinley St	• Tree projects r	nay re	quire utility	
Filmore St E Filmore St Studens	relocation/construction.			
Center Z Center IS	• The above cos	t estim	nate does not in	nclude
E Monroe St	annual mainte	nance	costs.	
Washington St E Wash Jefferson St E Jefferson St			Estimated	Estimated
Chase Tree Maturati			Maintenance	Irrigation
15 15 15 15 15 15 15 15 15 15 15 15 15 1			Cost	Cost
3rd St 3r	Young Tree (15 ga	allon)	\$50.00	\$15.00
	Mature Tree (24"	box)	\$250.00	\$50.00



EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENIX TRANSPORTATION 2050 A MOBILITY IMPROVEMENT PROJECT	Mobility Area #11 Project Fact Shee	ts	) 🕀 🍙
Project Name		Rank	Map ID
Edison Park Shade Trees		2	48
Project Limits		Prioritizati	on Score
Edicon Dark		0	14

# Project Example Photos





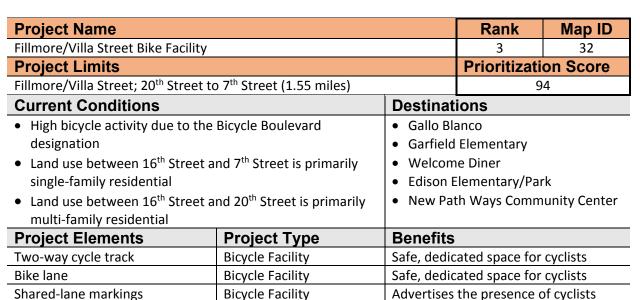
Edison Park

94

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



Detailed Project Description

• Construct an 8-foot two-way cycle track on the south side of Villa Street from 20<sup>th</sup> Street to 18<sup>th</sup> Street. Stripe two 6-foot bike lanes with 2-foot buffer from 18<sup>th</sup> Street to 16<sup>th</sup> Street. Sequential shared-lane markings with green stamps on Fillmore Street to 7<sup>th</sup> Street.

- Two-way cycle tracks (also known as protected bike lanes, separated bikeways, and on-street bike paths) are physically separated cycle tracks that allow bicycle movement in both directions on one side of the road. This project includes the construction of a 12-foot two-way cycle track on 19th Street between Villa Street and Van Buren Street. This two-way cycle track would be separated from the vehicular lanes by appropriately spaced plastic bollards.
- A center Lane Stripe is required on Fillmore Street between 16<sup>th</sup> Street and 7<sup>th</sup> Street.

Project Location	Project Cost Estimates
	Design* \$220,159
Coronado Rd	ROW \$-
McDowell Rd	Construction \$1,057,900
E Willetta St E Brill St E Wil	Other \$47,369
E CulverSt Damand Fue L10HOV Ln AZ	Grand Total \$1,325,428
E Portland S	Delivery Considerations
It is in the intervention of	<i>N/A</i>



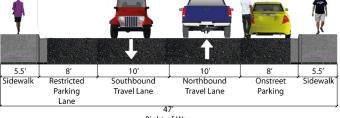
#### EASTLAKE/GARFIELD NEIGHBORHOODS (CHOICE NEIGHBORHOODS) PHOENIX TRANSPORTATION A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT

Project Name	Rank	Map ID	
Fillmore/Villa Street Bike Facility	3	32	
Project Limits	Prioritizat	Prioritization Score	
Fillmore/Villa Street; 20 <sup>th</sup> Street to 7 <sup>th</sup> Street (1.55 miles)	94		

# Project Example Photos

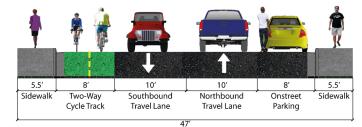
# Villa Street - 20th Street to 18th Street





Right-of-Way

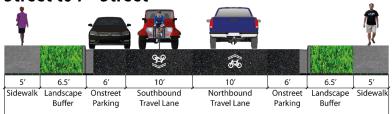
Proposed



Right-of-Way

# Fillmore Street - 16<sup>th</sup> Street to 7<sup>th</sup> Street

Existing



54' Right-of-Way

Proposed

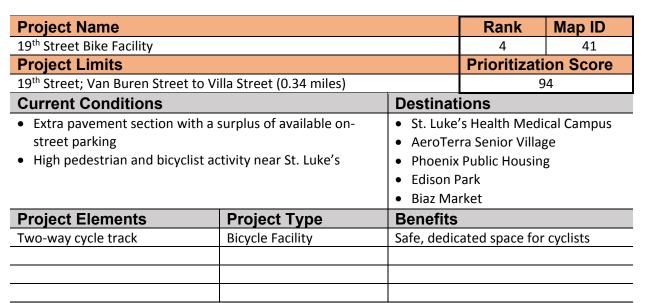


Michael Baker

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets ⓐ ⓒ ⓒ



### **Detailed Project Description**

- Two-way cycle tracks (also known as protected bike lanes, separated bikeways, and on-street bike paths) are physically separated cycle tracks that allow bicycle movement in both directions on one side of the road. This project includes the construction of a 12-foot two-way cycle track on 19th Street between Villa Street and Van Buren Street. This two-way cycle track would be separated from the vehicular lanes by appropriately spaced plastic bollards.
- Two-cycle tracks dedicate and protect space for bicyclists by improving perceived comfort and safety. They also eliminate risk and fear of collisions with over-taking vehicles and are more attractive to a wide range of bicyclists at all skill levels and ages.

Project Location	Project Cost E	stimates	
Z	Design*	\$44,789	
oronado Rd Project Location	ROW		
E Brill St E Brill St E t	Construction	\$86,981	
E Culver St Panano Faw I-10 HOV Ln A	z Other	\$3,895	
E Pottland S	Grand Total	\$135,665	
Editori	Delivery ConsiderationsPotential coordination with St. Luke's Hospitalmay be required to obtain permission.		
E Mckinley St E Pierce St o E Fillmore St			
Arizona Center			
An Buren St E Van Buren St			
Vashington, St	hi		
efferson St Jeffer on St E Jefferson	St		
3rd St 3re up of St 3th St 7th St 10th St 10th St 16th St 20th St 20th St 2dth St 2dth St			
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			

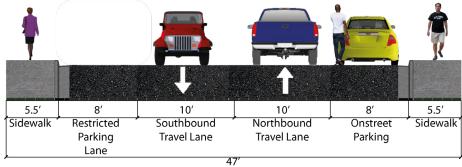


#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENIX A MOBILITY IMPROVEMENT PROJECT A MOBILITY A

Project Name	Rank	Map ID
19 <sup>th</sup> Street Bike Facility	4	41
Project Limits	Prioritization Score	
19 <sup>th</sup> Street; Van Buren Street to Villa Street (0.34 miles)	94	

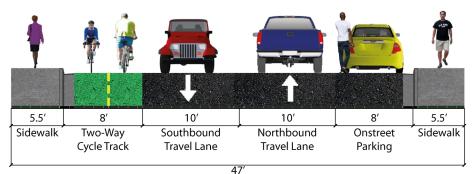
# Project Example Photos

# Existing



Right-of-Way

# Proposed



Right-of-Way



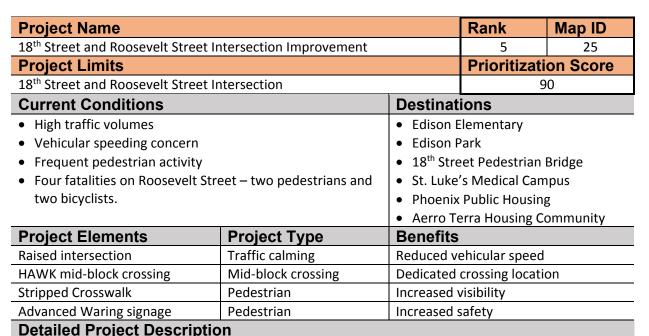




#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

# Mobility Area #11 Project Fact Sheets



• The project includes the construction of a raised intersection at the intersection of 18th Street and Roosevelt Street. A raised intersection is essentially a speed table for the entire intersection, with ramps on each vehicle approach, which elevate the entire intersection to the level of the sidewalk.

• The project includes a HAWK mid-block crossing with high-visibility crosswalks. There would be pedestrian advanced warning signage on the east and west legs of the intersection. Street lighting will also be included to light the intersection during the evening.

Project Location	Project Cost Estimates
Coronado Rd	Design* \$198,44
McDowell Rd	ROW
E Willetta St E Brill St E Wil	Construction \$737,11
E Culver St Banarin Faw 1-10 HOV In AZ	Other \$255,54
E Portland S	Grand Total \$1,191,09
E McKinley St	Delivery Considerations
Filmore St Arzona Van Buren St Washington,St Jefferson St Jefferson St Jefferson St	N/A
3dd St 3nd St 3n	



### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJ

Project Name	Rank	Map ID
18 <sup>th</sup> Street and Roosevelt Street Intersection Improvement	5	25
Project Limits	Prioritization Score	
18 <sup>th</sup> Street and Roosevelt Street Intersection I	90	

Mobility Area #11

Project Fact Sheets

# Project Example Photos





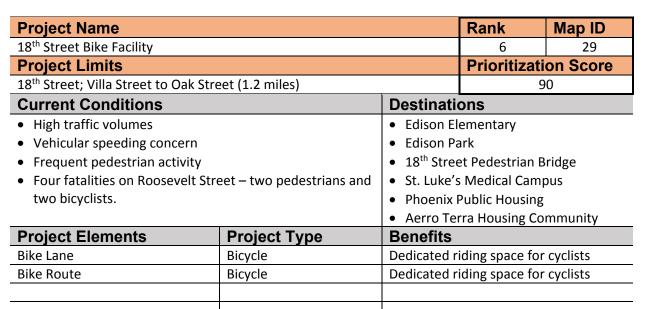


T2050 Mobility Assessment Area #11 Final Report

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Stripe a 5-foot bike lane in both directions on 18th Street from Villa Street to McDowell Road for approximately 0.7 miles. The bike facility will then shift into a signed bicycle route north of McDowell Road to Oak Street for approximately one-half of a mile.
- This bike route would connect the Phoenix Bicycle Boulevard, as well as the East Lake-Garfield neighborhood, to the Oak Street Bike Route, which has one of the only pedestrian bridges over SR-51.







Project Name	Rank	Map ID
18 <sup>th</sup> Street Bike Facility	6	29
Project Limits	Prioritization Score	
18 <sup>th</sup> Street; Villa Street to Oak Street (1.2 miles)	90	

## **Project Example Photos**







# DRHOODS)

A MOBILITY IMPROVEMENT PROJECT

PHOENIX TRANSPORTATION 2050

# Mobility Area #11 Project Fact Sheets

Increases mobility

Increases visibility during night

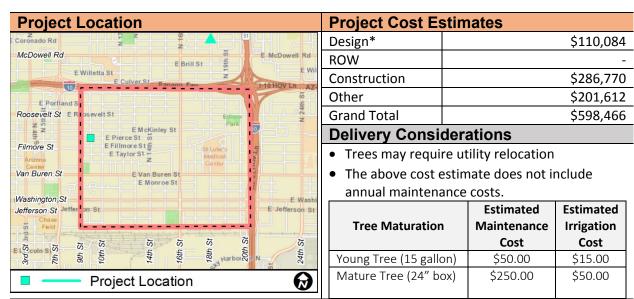
Project Name			Rank	Map ID	
10 <sup>th</sup> Street and Pierce Street	Intersection Improvement		7	42	
Project Limits	Project Limits		<b>Prioritization Score</b>		
10 <sup>th</sup> Street and Pierce Street	Intersection	89		39	
Current Conditions	Destinations				
High traffic volumes     Welcon			e Diner		
Vehicular speeding concern		Pathways Community Center			
Frequent pedestrian and bicyclist activity		Gallo Bl	Gallo Blanco		
		• Frailey's	s/ Pueblo's		
-					
Project Elements	Project Type	Benefits	;		
Raised intersection	Traffic calming	Reduces ve	ehicular speedi	ing	
Crosswalks	Pedestrian	Increases p	pedestrian visil	oility	
Shade trees	Shade	Increases of	comfort		

# Street lighting Lighting Lighting

Wayfinding

This project includes trees on all legs of the intersection totaling 20 trees per leg. Palo Verde or Mesquite trees serve as a most viable option due to their resiliency in desert climates, canopy, and low cost of maintenance. The project also includes the construction of a raised intersection at 10<sup>th</sup> Street and Pierce Street, primarily along Pierce Street alignment. The intersection would include a striped white crosswalks with additional pedestrian crossing signage at all four legs of the intersection. The crosswalks are a low-cost improvement that will enhance the crossing experience for users accessing Gallo Blanco, New Pathways for Youth Community Center, Welcome Dinner and the surrounding residential uses, while the trees create walkable streets and vibrant pedestrian places. The raised intersection will reduce the speed of vehicles on Pierce Street enhancing experience for users.

Pedestrian/bicycle



\*Design fees are 15% of construction or a minimum of \$30,000



# Mobility Area #11Project Fact SheetsImage: Strain Strai

Project Name	Rank	Map ID
10 <sup>th</sup> Street and Pierce Street Intersection Improvement	7	42
Project Limits	Prioritization Score	
10 <sup>th</sup> Street and Pierce Street Intersection Improvement	89	

# Project Example Photos





EASTLAKE/GARFIELD

(CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION





#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# **Mobility Area #11** *Project Fact Sheets*



Project Name			Rank	Map ID	
16 <sup>th</sup> Street and Portland Street M	1id-Block Crossing		8	6	
Project Limits			Prioritization Score		
16 <sup>th</sup> Street & Portland Street			85		
Current Conditions			nations		
High traffic volumes		• El Ra	El Rancho Market		
• Frequent pedestrian and bicycle jay walking across 16 <sup>th</sup> Street		Edison Elementary			
Fast vehicular speeds		Edison Park			
<ul> <li>One pedestrian fatality crossing 16<sup>th</sup> Street</li> </ul>		• 18 <sup>th</sup>	<ul> <li>18<sup>th</sup> Street Pedestrian Bridge</li> </ul>		
		• St. L	<ul> <li>St. Luke's Medical Campus</li> </ul>		
Project Elements	Project Type	Bene	fits		
HAWK mid-block crossing	Mid-block crossing	Increas	ses safety for p	edestrians	
Crosswalks	Pedestrian	Increases pedestrian awareness		awareness	
Wayfinding	Pedestrian	Provides greater mobility		oility	

## **Detailed Project Description**

- Construct a HAWK mid-block crossing with high-visibility crosswalks at 16th Street and Portland Street. The project would also include arterial street level ADA compliant curb ramps the east and west sides of 16th Street. LED street lights are also recommended to be included in the project to light the area during dusk and evening hours.
- This HAWK would significantly enhance connections to Edison Park, St. Luke's Medical Campus, 18th Street Pedestrian Bridge, and most importantly El Rancho Market. A pedestrian fatality occurred at this location in 2015.

Project Location	Project Cost Estimates
Coronado Rd	Design* \$71,026
McDowell Rd	Right-of-way -
E Willetta St	Construction \$140,329
E Culver St Panano Fww Litô HOV Ln AZ.	Other \$161,260
E Portland S Roosevelt St E Riosevelt St	Grand Total \$372,615
2 E McKinley St	Delivery Considerations
Filmore St E Fillmore St E Taylor St E Taylor St E Monroe St E E Monroe St E E Monroe St E E Monroe St E E E E Monroe St E E E E Monroe St E E E Monroe St E E E Monroe St E E E Monroe St E E E E Monroe St E E E E Monroe St E E E E E Monroe St E E E Monroe St E E E E Monroe St E E E Monroe St E E E E Monroe St E E E E E Monroe St E E E E Monroe St E E E Monroe St E E E E Monroe St E E E E Monroe St E E E E E E E E E E E E E E E E E E	N/A
Solution 24th St 24th St 24	
Project Location	



# Mobility Area #11Project Fact SheetsImage: Construction of the sector of the

PHOENIX TRANSPORTATION 2050

EASTLAKE/GARFIELD

(CHOICE NEIGHBORHOODS)

Project Name	Rank	Map ID
16 <sup>th</sup> Street and Portland Street Mid-Block Crossing	8	6
Project Limits	Prioritization Score	
16 <sup>th</sup> Street & Portland Road	85	

## **Project Example Photos**

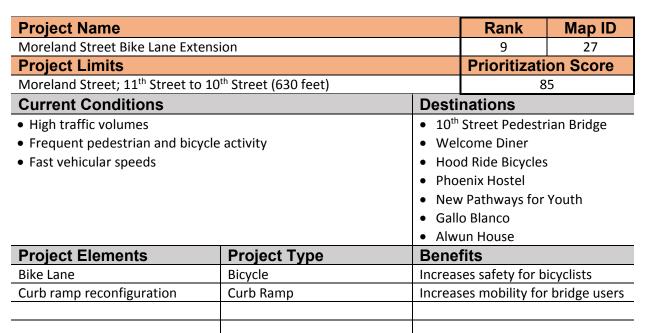


#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Extend bike lanes in each direction on Mooreland Street to connect with the 10<sup>th</sup> Street Pedestrian Bridge over I-10. The extension would be approximately 630 feet between the 10<sup>th</sup> Street Pedestrian Bridge and the intersection of Moreland Street and 11<sup>th</sup> Street. The project would also include the reconfiguration of the ramps at 10<sup>th</sup> Street pedestrian bridge over I-10.
- The extension of this bike lane will provide a dedicated area for the cyclists on Moreland Street and will create a full connection to the 10<sup>th</sup> Street Pedestrian Bridge over I-10.

Project Location	Project Cost Estimates		
	Design* \$45,785		
Coronado Rd	Right-of-way -		
E Brill St E Willetta St E Willetta St	Construction \$88,580		
E Culver St Panana Pay L10 HOV Ln AZ-	Other \$4,392		
E Portland S	Grand Total \$138,757		
z	Delivery Considerations		
Filmore St Filmore St Artona Center Van Buren St Jefferson St Jefferson St Chate Chate Chate Center Filmore St E Filmore St E Filmore St E Filmore St E Van Buren St E Washington, St Defferson St Center Filmore St E Washington, St E Jefferson St Center E Jefferson St Center E Jefferson St E Jefferson St Center E Jefferson St E Jefferson St Center E Jefferson St E J	N/A		
Project Location			



# EASTLAKE/GARFIELD Mobility Area #11 Project Fact Sheets (CHOICE NEIGHBORHOODS)

Project Name	Rank	Map ID
Moreland Street Bike Lane Extension	9	27
Project Limits	Prioritization Score	
Moreland Street; 11 <sup>th</sup> Street to 10 <sup>th</sup> Street (630 feet)	85	

## **Project Example Photos**





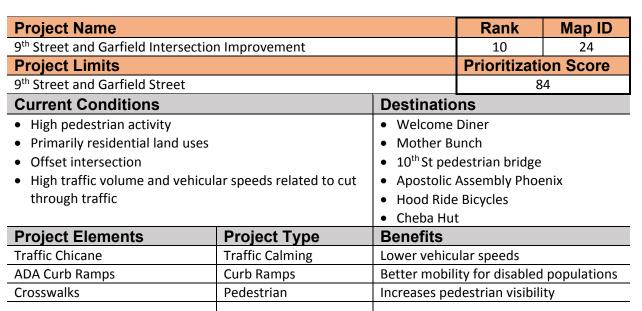
PHOENIX TRANSPORTATION

#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION

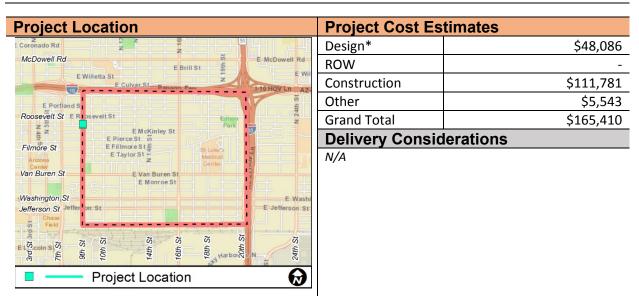
A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



## **Detailed Project Description**

- Construct two traffic calming chicanes/curb bulb-outs on 9<sup>th</sup> Street. One on the north leg on the east side of the street, and the other on the south leg on the west side of the street.
- Install ADA complaint curb ramps with truncated domes at the six curb ramp locations at the intersection of 9<sup>th</sup> Street and Garfield Street.
- Repaint crosswalks and add signage to enhance pedestrian crossing



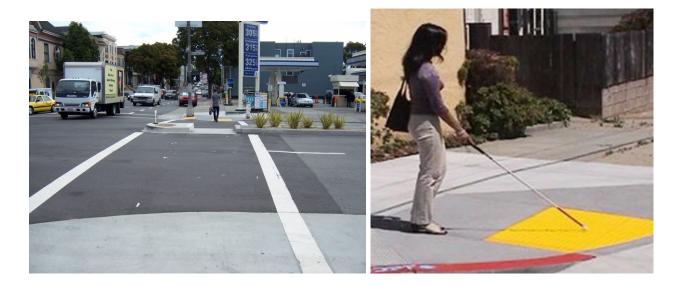


# Mobility Area #11Project Fact SheetsImage: Strain Strai

Project Name	Rank	Map ID
9 <sup>th</sup> Street and Garfield Intersection Improvement	10	24
Project Limits	Prioritization Score	
9 <sup>th</sup> Street and Garfield Street	84	

## **Project Example Photos**







EASTLAKE/GARFIELD

(CHOICE NEIGHBORHOODS)

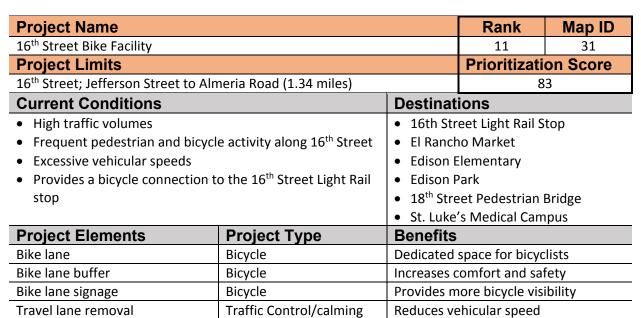
PHOENIX TRANSPORTATION 2050

> T2050 Mobility Assessment Area #11 Final Report

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

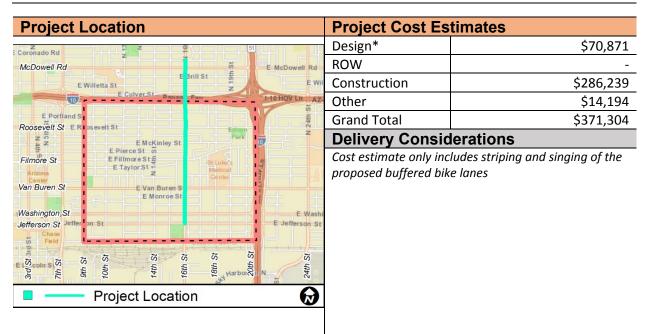
# Mobility Area #11 Project Fact Sheets



## **Detailed Project Description**

• Stripe a 6-foot buffered bike lane with 4-foot buffer on both sides of 16<sup>th</sup> Street for approximately 1.34 miles from Jefferson Street to Almeria Street.

• This project would require the removal of one southbound vehicular travel lane to incorporate the additional 10 feet of asphalt to accommodate the buffered bike lane on each side of 16<sup>th</sup> Street.





#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENX THORNSPORTATION A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT

Project Name	Rank	Map ID
16 <sup>th</sup> Street Bike Facility	11	31
Project Limits	Prioritization Score	
16 <sup>th</sup> Street; Jefferson Street to Almeria Road	83	

## **Project Example Photos**



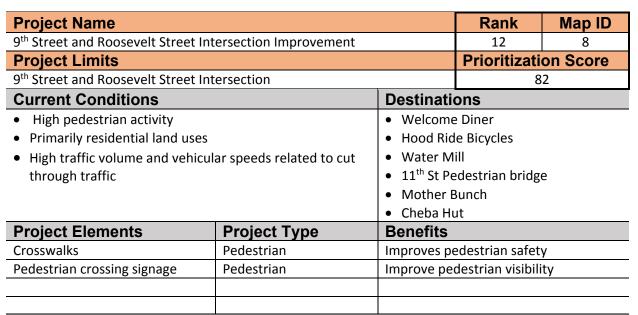


#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Construct white crosswalks at all legs of the intersection of 9<sup>th</sup> Street and Roosevelt Street with pedestrian crossing signage.
- These crosswalks are a low-cost solution that will significantly enhance connections to Welcome Dinner, Watermill Express, GRID Bike Share Dock, the surrounding homes, and the many land uses along 7<sup>th</sup> Street.

Project Location	Project Cost Estimates
Coronado Rd	Design* \$38,130
McDowell Rd E Brill St 5	ROW -
E Willetta St E Culver St Damanc Paue	Construction \$11,392
	Other \$565
Roosevelt St Editor 1 2	Grand Total \$50,086
E Pierce St - 0	Delivery Considerations
Filmore St E Filmore St St Lukes St Lukes	N/A
Van Buren St E Van Buren St E Monroe St	
Washington,St E Washi	
- Jefferson St E Jefferson St	
3rd St and St an	
Project Location	



#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

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A MOBILITY IMPROVEMENT PROJE

Project Name	Rank	Map ID
9 <sup>th</sup> Street and Roosevelt Street Intersection Improvement	12	8
Project Limits	Prioritization Score	
9 <sup>th</sup> Street and Roosevelt Street Intersection	82	

Mobility Area #11

Project Fact Sheets



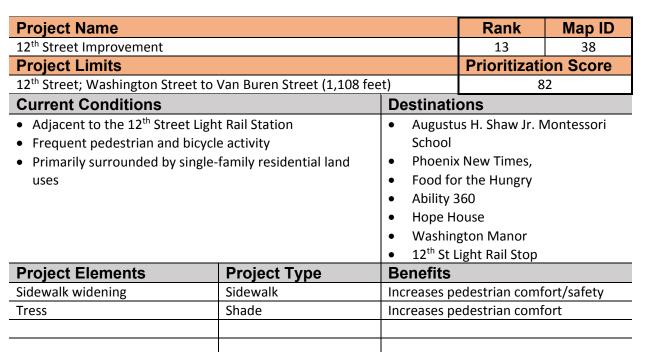




#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Widen the sidewalk on the west side of 12<sup>th</sup> Street between Van Buren Street and Washington Street from 4 feet to 6 feet approximately 1108 feet.
- Plant shade trees (24" box) every 100 feet on both side of the sidewalk on 12<sup>th</sup> Street totaling 23 trees.

Project Location	Project Cost Estin	nates	
Coronado Rd	Design*		\$69,701
McDowell Rd	ROW		\$-
E Brill St E Willetta St E Wil	Construction		\$376,214
E Culver St Danand Fwy L10HOV Ln AZ	Other		\$13,933
E Portland S Roosevelt St E RT osevelt St	Grand Total		\$459,848
z s z z E McKinley St	Delivery Considerations		
Filmore St E Filmore St 5	Tree projects may require utility		
Arizona Z Center 13	relocation/construction.		
Van Buren St	• The above cost estimate does not include		nclude
Washington St E Washington St E Jefferson St	annual maintenance	e costs:	
Charles of St. Content of St. Content of St. Content of St.		Estimated	Estimated
	Tree Maturation	Maintenance	Irrigation
3rd St 3ud St 10th St 10th St 10th St 10th St 10th St 2uth St		Cost	Cost
<u> </u>	Young Tree (15 gallon)	\$50.00	\$15.00
Project Location	Mature Tree (24" box)	\$250.00	\$50.00



# EASTLAKE/GARFIELD (CHOICE NEIGHBORHOODS)

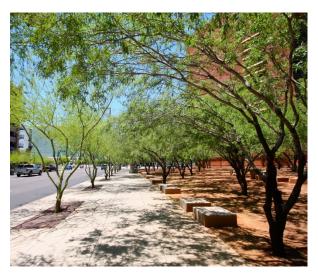
Project Limits	F	Prioritizati	on Score
12 <sup>th</sup> Street Improvement		13	38
Project Name	F	Rank	Map ID
A MOBILITY IMPROVEMENT PROJECT	Project Fact Sheet		
NEIGHBORHOOD (CHOICE NEIGHBORHOODS)			

Mobility Area #11

# **Project Example Photos**

12<sup>th</sup> Street; Washington Street to Van Buren Street (1,108 feet)







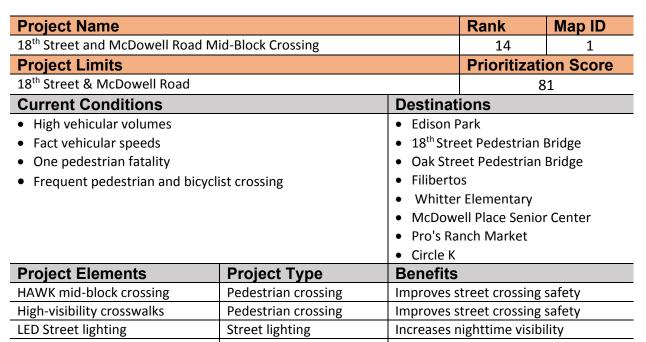
Michael Baker INTERNATIONAL 82

#### EASTLAKE / GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

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### **Detailed Project Description**

- Construct a HAWK with three high-visibility crosswalks at 18<sup>th</sup> Street and McDowell Road.
- The recommendation also includes LED street lighting at the mid-block crossing to illuminate the area.
- ADA-compliant curb ramps currently exist at all corner of the intersection.
- Can be implemented when a conventional signal warrant is not met or where a conventional traffic signal is not desired due to the potential to increase traffic volumes on minor street approaches

Project Location	Project Cost	Estimates
Z Coronado Rd	Design*	\$108,917
McDowell Rd	ROW	\$-
E Willetta St	Construction	\$201,737
E Culver St Danam Pay 140HOV Ln AZ	Other	\$278,488
E Portland S	Grand Total	\$589,142
E Mockinley St	<b>Delivery Con</b>	siderations
Filmore St EFilmore St EVan Buren St E Monroe St EFilmore	Signal warrant a	nalysis may be required
and St an		
Project Location		

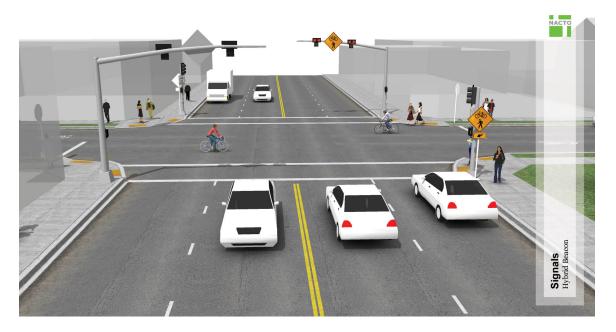


#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENX TRANSPORTATION A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT

Project Name	Rank	Map ID	
18 <sup>th</sup> Street and McDowell Road Mid-Block Crossing	14	1	
Project Limits	Prioritizat	Prioritization Score	
18 <sup>th</sup> Street & McDowell Road	5	31	

# **Project Example Photos**

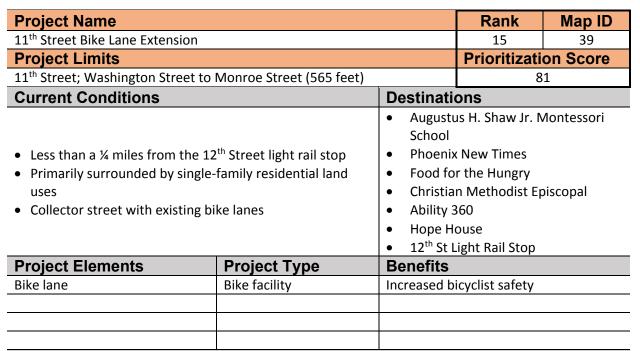




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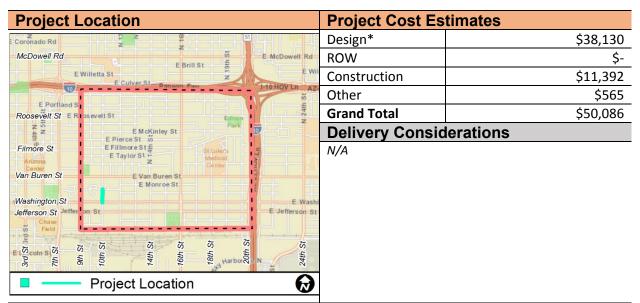
T2050 Mobility Assessment Area #11 Final Report A MOBILITY IMPROVEMENT PROJE

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### **Detailed Project Description**

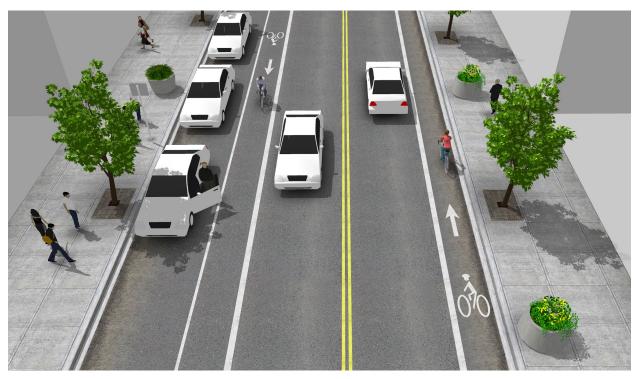
• Extend the existing Bike Lane on 11<sup>th</sup> Street to Washington Street for approximately 565 feet





#### EASTLAKE/GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENIX TRANSPORTATION A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT A MOBILITY IMPROVEMENT PROJECT

Project Name	Rank	Map ID
11 <sup>th</sup> Street Bike Lane Extension	15	39
Project Limits	Prioritization Score	
11 <sup>th</sup> Street; Washington Street to Monroe Street (565 feet)	81	





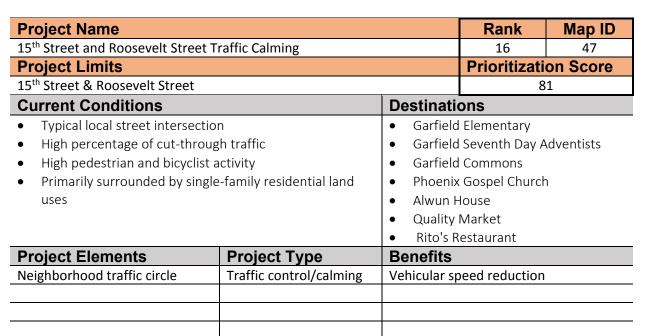


#### EASTLAKE / GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJECT

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Construct a traffic circle at the intersection of 15<sup>th</sup> Street and Roosevelt Street.
- Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.
- Mini roundabouts may be installed using simple markings or raised islands. This recommendation includes the application of a raised island in conjunction with plantings that beautify the street and the surrounding neighborhood. There is sufficient space at the inspection to ensure available lane width and turning radius.

#### **Project Location** Z Coronado Rd Z McDowell Rd E McDowell Rd E Brill St EW E Willetta St 10 - - - -E Portland S Roosevelt St E R sevelt St S N E McKinley St E Pierce St Filmore St EFillmoreSt≨ E Taylor St Van Buren St E Van Buren St E Monroe St Washington St E Was Jefferson St ferson S š S St š is š S IS coln S 41 18th Harbor oth 14th 16th 24th 7th 9th A **Project Location**

Project Cost Es	timates	
Design*	\$52,141	
ROW	\$-	
Construction	\$152,667	
Other	\$7,570	
Grand Total	\$212,378	
Delivery Considerations		

N/A



# Mobility Area #11Project Fact SheetsImage: Image of the state of the s

EASTLAKE/GARFIELD

(CHOICE NEIGHBORHOODS)

Project Name	Rank	Map ID	
15 <sup>th</sup> Street and Roosevelt Street Traffic Calming	16	35	
Project Limits	Priorit	Prioritization Score	
15 <sup>th</sup> Street & Roosevelt Street		81	

# **Project Example Photos**



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T2050 Mobility Assessment Area #11 Final Report

#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets

Project Name			Rank	Map ID
20 <sup>th</sup> Street and Roosevelt Stree	t Intersection Improvement		17	2
Project Limits	Project Limits		Prioritization Score	
20 <sup>th</sup> Street and Roosevelt Street Intersection		80		
Current Conditions	onditions Destination		ons	
High traffic volumes for a collector street     Edison		Edison Pa	ark	
• Excessive vehicular speed for a collector street		Edison Elementary		
Two adjacent pedestrian/bicyclist fatalities     St. Luke		's Medical Campus		
Adjacent to the Phoenix Bike Boulevard		Baiz Mar	ket	
• Fillr		• Fillmore	Gardens	
Project Elements	Project Type	Benefits		
Traffic Signal	Traffic Control/Calming	Controls sp	eed/behavior o	of vehicles
High visibility crosswalks	Pedestrian crossing	Increases th	ne safety of pe	destrians

### **Detailed Project Description**

- Construct a signalized intersection at 20<sup>th</sup> Street and Roosevelt Street per the current City of Phoenix standards.
- Include high-visibility crosswalks at all legs of the intersection.
- The signalized intersection will reduce the speed of vehicles on Roosevelt Street providing a safer crossing environment for users accessing Edison Elementary, Edison Park, Biaz Market, Phoenix Public Housing, and El Rancho Market.

E Coronado Rd McDowell Rd E Willetta St E Culver St Roosevelt St E Ri Daevelt St E Ri St E Ri Daevelt	esign* DW Donstruction ther rand Total elivery Considera raffic signal warrant an	
McDowell Rd     Karl     E Brill St     E McDowell Rd     Co       E Willetta St     E Brill St     5     E Willetta St     E Willetta St     E Willetta St       E Deritand St     E Culver St     Banant Few     110 HOV Ln     AZ       Gr     E Deritand St     E McKinley St     E Brill St     E Deritand St       Z St     E Pierce St     McKinley St     E Fair     D       Fillmore St     E Fillmore St     St Calkers     5	onstruction ther rand Total elivery Considera	\$278,488 \$589,142 ations
E Willetta St E Culver St E Culver St E Portland S Recossevent St E Pierce St Filmore St E Tailon St E Pierce St E Culver St E Pierce St E Pierce St E Culver St	ther rand Total elivery Considera	\$278,488 \$589,142 ations
E Culver St Daname Fax 2 110 HOV Ln AZ Ot E Culver St Daname Fax 2 110 HOV Ln AZ OT E Portland S E Portland S	rand Total elivery Considera	\$589,142 ations
E Portland S Roosevell St E Ri psevelt St E Pierce St Filmore St E Taylor St E	elivery Considera	ations
Filmore St     E Plerce St     St     Transmitter		
Filmore St E Fillmore St Studies 15	affic signal warrant a	nalysis may be required
Van Buren St E Van Buren St E Monroe St Jefferson St Jeffer on St E Jefferson St		- , ,
adding and a set of the set of th		



# Mobility Area #11 EASTLAKE/GARFIELD Project Fact Sheets (CHOICE NEIGHBORHOODS)

Project Name	Rank	Map ID	
20 <sup>th</sup> Street and Roosevelt Street Intersection Improvement	17	2	
Project Limits	Prioritizat	Prioritization Score	
20 <sup>th</sup> Street and Roosevelt Street Intersection		80	

# **Project Example Photos**







PHOENIX TRANSPORTATION

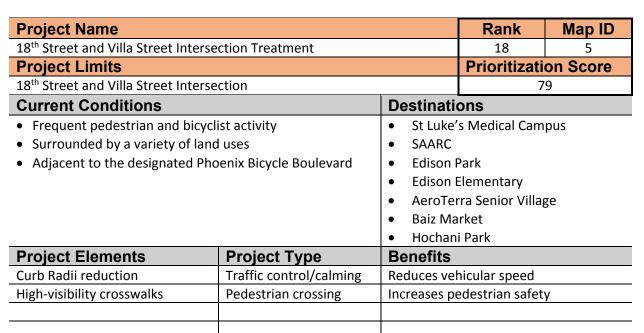
T2050 Mobility Assessment Area #11 Final Report

#### EASTLAKE / GARFIELD NEIGHBORHOOD (CHOICE NEIGHBORHOODS)

PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Reconstruct Intersection to bring the curb in and reduce the curb radii
- Stripe high-visibility crosswalks at all legs of the intersection with the introduction of a stop bar at the west leg of the intersection
- Install 8 ADA-complaint curb ramps.





# EASTLAKE/GARFIELD (CHOICE NEIGHBORHOODS)

NEIGHBORHOOD (CHOICE NEIGHBORHOODS) PHOENIX TRANSPORTATION 2050 A MOBILITY IMPROVEMENT PROJECT	Project Fact Sheets		
Project Name		Rank	Map ID
18 <sup>th</sup> Street and Villa Street Intersec	tion Treatment	18	5
Project Limits		Prioritization Score	
18 <sup>th</sup> Street and Villa Street Intersec	tion	7	9

Mobility Area #11



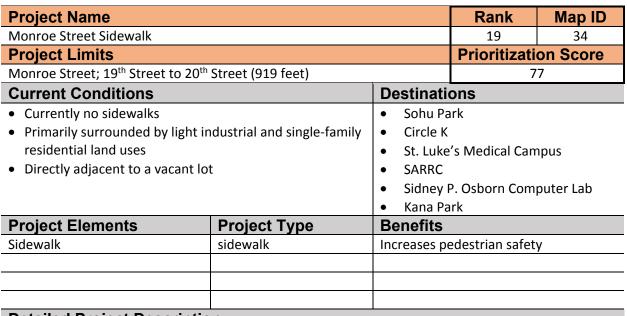




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A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



**Detailed Project Description** 

Construct 5' sidewalks on both sides of the street on Monroe Street from 19<sup>th</sup> Street to 20<sup>th</sup> Street.

Project Location	Project Cost Estimates		
Coronado Rd	Design* \$56,771		
McDowell Rd E Brill St 5	ROW \$-		
E Willetta St	Construction \$271,355		
	Other \$9,885		
E Portland St T Russevelt St Editori I	Grand Total \$338,012		
E Pierce St o	Delivery Considerations		
Filmore St E Fillmore St St St Lukes	Sidewalks may require ROW acquisition.		
Van Buren St E Van Buren St	Adjacent to a vacant lot so construction could be		
Washington, St E Washi	contingent on future development.		
Jefferson St Jeffer on St E Jefferson St			
Pield			
3rd St 3r			
Project Location			





Project Name	Rank	Map ID	
Monroe Street Sidewalk	19	34	
Project Limits	Prioritizati	Prioritization Score	
Monroe Street; 19 <sup>th</sup> Street to 20 <sup>th</sup> Street (919 feet)	7	77	

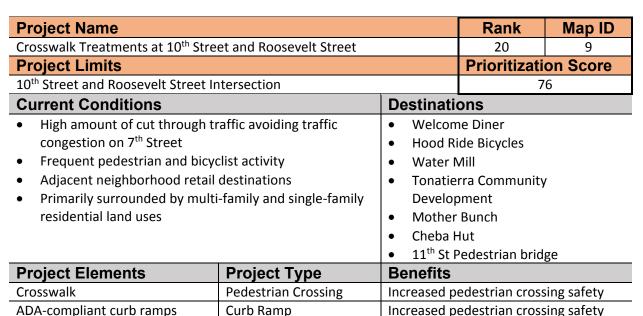




#### PHOENIX TRANSPORTATION

A MOBILITY IMPROVEMENT PROJEC

# Mobility Area #11 Project Fact Sheets



### **Detailed Project Description**

- Stripe a white cross walk with additional pedestrian crossing signage at all four legs of the intersection of 10<sup>th</sup> Street and Roosevelt Street.
- Install ADA complaint curb ramps with truncated domes at all ramp locations.
- These crosswalks are a low-cost solution that will significantly enhance connections to Welcome Dinner, Watermill Express, GRID Bike Share Dock, the surrounding homes, and the many land users along 7<sup>th</sup> Street.

Project Location	Project Cost Estimates
Coronado Rd	Design* \$39,231
McDowell Rd 6 E Brill St 5	ROW \$-
E Willetta St	Construction \$30,499
	Other \$1,116
E Portland St E Reserved St Editory	Grand Total \$70,846
E Pierce St 2	Delivery Considerations
Filmore St     E Filmore St 5     St Lukes     5       Arizona     E Taylor St 2     Intel Context     5       Van Buren St     E Wan Buren St     E Monroe St       Washington, St     E Washi     E Washi	N/A
Jefferson St The Spec Spectrum St Spec Spec Spectrum St Spec Spectrum St Spec Spec Spectrum St Spec Spec Spectrum St Spec Spec Spectrum St Spec Spectrum St Spec Spec Spectrum St Spec Spec Spectrum St Spec Spec Spec Spec Spectrum St Spec Spec Spec Spec Spec Spec Spec Spec	
Project Location	



# Mobility Area #11 Project Fact Sheets



Proi	iect	Name	
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PHOENIX TRANSPORTATION 2050

EASTLAKE/GARFIELD

(CHOICE NEIGHBORHOODS)

Project Name	Rank	Map ID
Crosswalk Treatments at 10 <sup>th</sup> Street and Roosevelt Street	21	9
Project Limits	Prioritization Score	
10 <sup>th</sup> Street and Roosevelt Street Intersection	76	

