



PHOENIX MOBILITY STUDY

Goldengate Neighborhoods

Mobility Area #4

Final Report

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Prepared for:



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MOBILITY AREA #4 OVERVIEW

Illustrated in **Figure 1**, the T2050 Mobility Assessment Area #4 (MA 4) is approximately 3 miles west of Downtown Phoenix near the Interstate 10 (I-10) and Interstate 17 (I-17) interchange. MA 4 is generally bounded by Encanto Boulevard to the north, Roosevelt Street to the south, 33rd Avenue to the east, and 43rd Avenue to the west. MA 4 includes a mix of single and multi-family residential neighborhoods, schools, Falcon Park, and several retail centers.

I-10 is the most notable transportation feature within MA 4, bisecting the study as it traverses through the middle of the study area. The area to the north of the interstate lies within the Maryvale Urban Village and the area to the south lies within the Estrella Urban Village. The interstate is a major physical barrier negatively effecting mobility within the study area and only has three streets that cross over the interstate, including 43rd Avenue, 39th Avenue, and 35th Avenue.

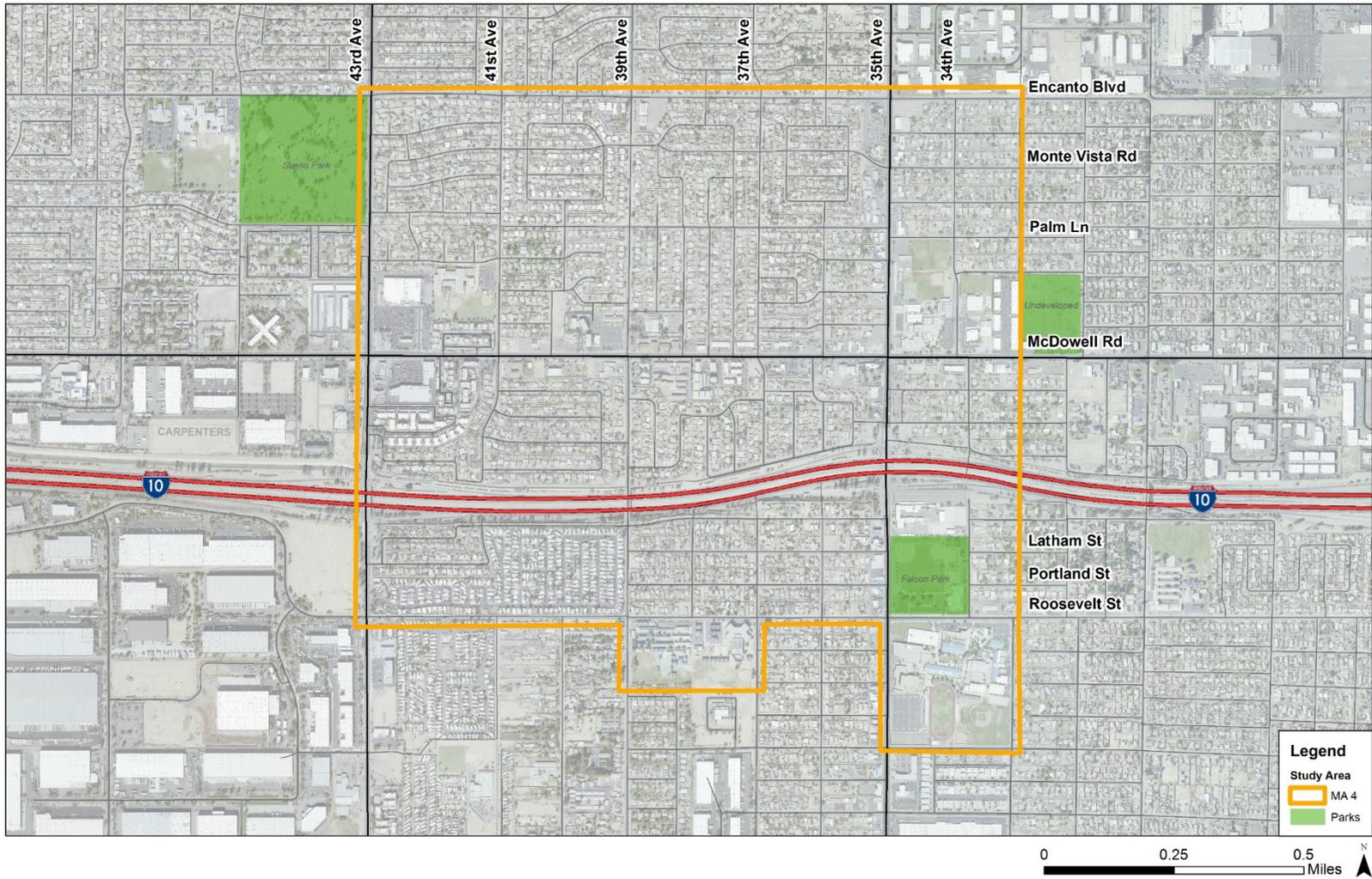
The average age of the housing stock in MA 4 ranges from the post WWII housing boom through the 1960's and 1970's. Established neighborhoods contribute a historic character of the area, but also create opportunities for needed rehabilitation and upkeep in select areas.

There are many different education facilities within MA 4 including five schools and two learning centers. These locations are major destinations which typically attract a high volume of multimodal users, thus exacerbating the importance of mobility and connectivity issues in MA 4. As Illustrated on **Figure 1**, The schools include Mitchell Elementary School, Alta E. Butler Elementary School, Morris K. Udall Middle School, Carl Hayden High School, and Isaac Middle School, and the two learning centers are the Active Learning Center and Bret Tarver Learning Center. In addition, the Golden Gate Community Center is located near the center of MA 4 and is one of the most significant neighborhood destinations within the MA 4 study area.

There is a significant concentration of commercial development along McDowell Road between 35th and 39th Avenues that attract frequent, multimodal visitors from the adjacent single-family residential neighborhoods and condominiums. The main commercial node is located at 43rd Avenue and McDowell Road has two grocery stores, a dollar store, and a variety of other types of supporting services and businesses.

Falcon Park and Sueno Park are both large municipal parks in opposite corners of the study area that generate multimodal activity so ensuring safe and convenient access to and from these parks will be essential.

Figure 1: Mobility Area #4 Study Area Boundary

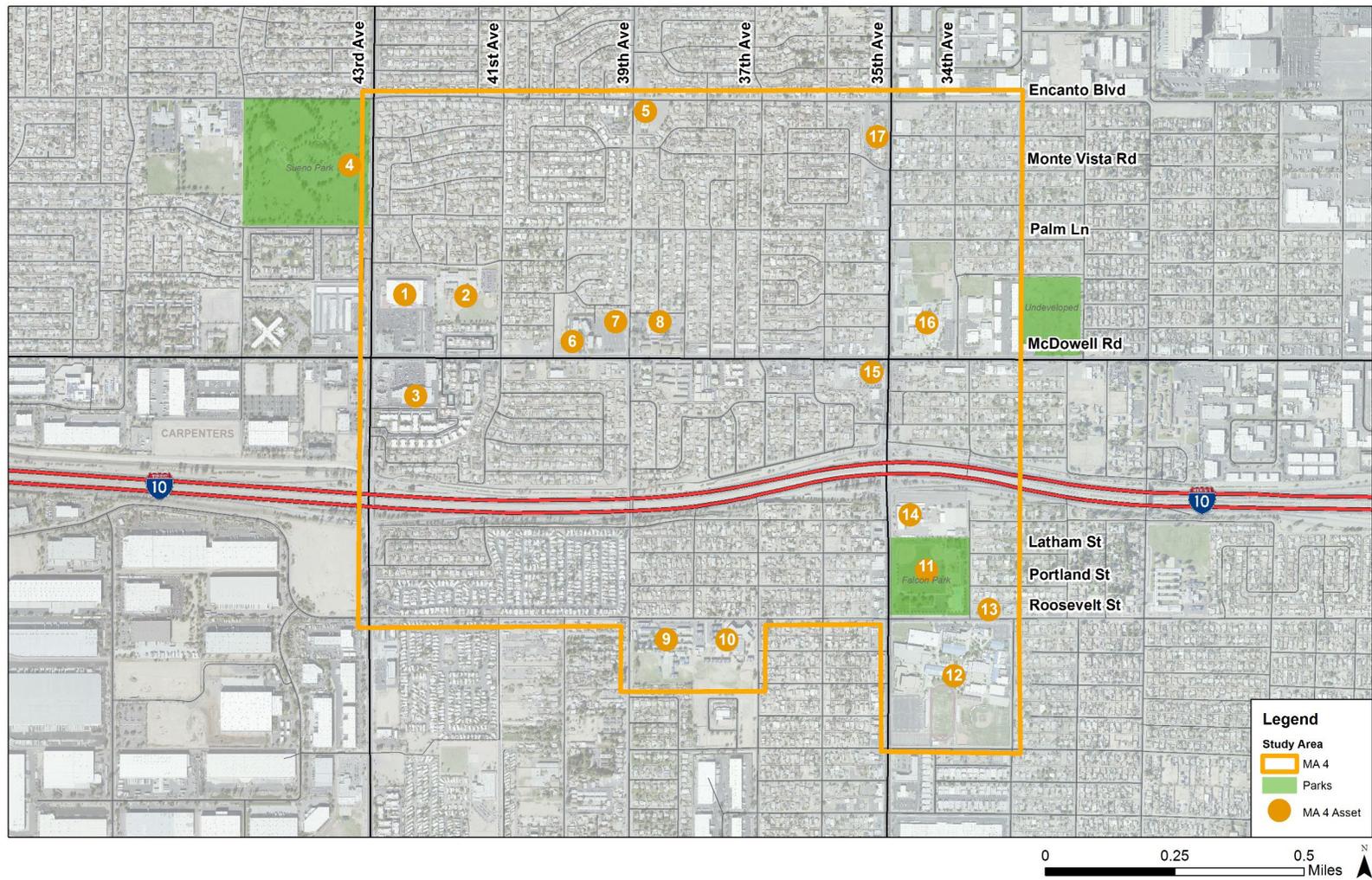


Assets & Key Destinations

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 4 are depicted in **Figure 2** and listed below:

1. Fry's Mercado
2. Mitchell Elementary School
3. Food City
4. Sueno Park
5. Grace Covenant
6. Christian Life Church
7. Antioch Missionary Baptist Church
8. Golden Gate Community Center
9. Alta E. Butler Elementary School
10. Morris K. Udall Middle School
11. Falcon Park
12. Carl Hayden Community High School
13. Active Learning Center
14. US Navy Recruiting Center
15. Bret Tarver Learning Center
16. Isaac Middle School
17. Garcia's Las Avenidas

Figure 2: Key Destinations



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 Golden Gate 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 to reduce vehicle speed and improve the safety of motorists, pedestrians, and bicyclists. Roosevelt Street, Palm Lane, and Encanto Boulevard were identified as roadways experiencing frequent, higher vehicle speeds because motorists used them to bypass congestion on arterial roads such as 43rd Avenue, 35th Avenue, Thomas Road, and McDowell Road. Multiple traffic calming projects were recommended on Roosevelt Street, Palm Lane, and Encanto Boulevard 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 3 – HAWK at 43rd Avenue and Hubbell Street includes a recommended High Intensity Activated Crosswalk (HAWK) signal with high-visibility crosswalks to allow users to cross 43rd Avenue safely.

Bicycle recommendations are corridor specific projects that either enhance an existing bicycle facility or introduce new bicycle infrastructure. For instance, Project Number 51

– Encanto Boulevard Buffered Bike Lane, is a project that improves an existing facility. Encanto Boulevard currently has a bike lane within the mobility area, however, between 49th Avenue and 31st Avenue there is more than enough space to accommodate a horizontal buffer between the travel lanes and the existing bike lanes. On the other hand, the Project Number 28 – 39th Avenue Northbound Bike Lane is the addition of a new bike lane on the east side of 39th Avenue between Roosevelt Street and the I-10 bridge.

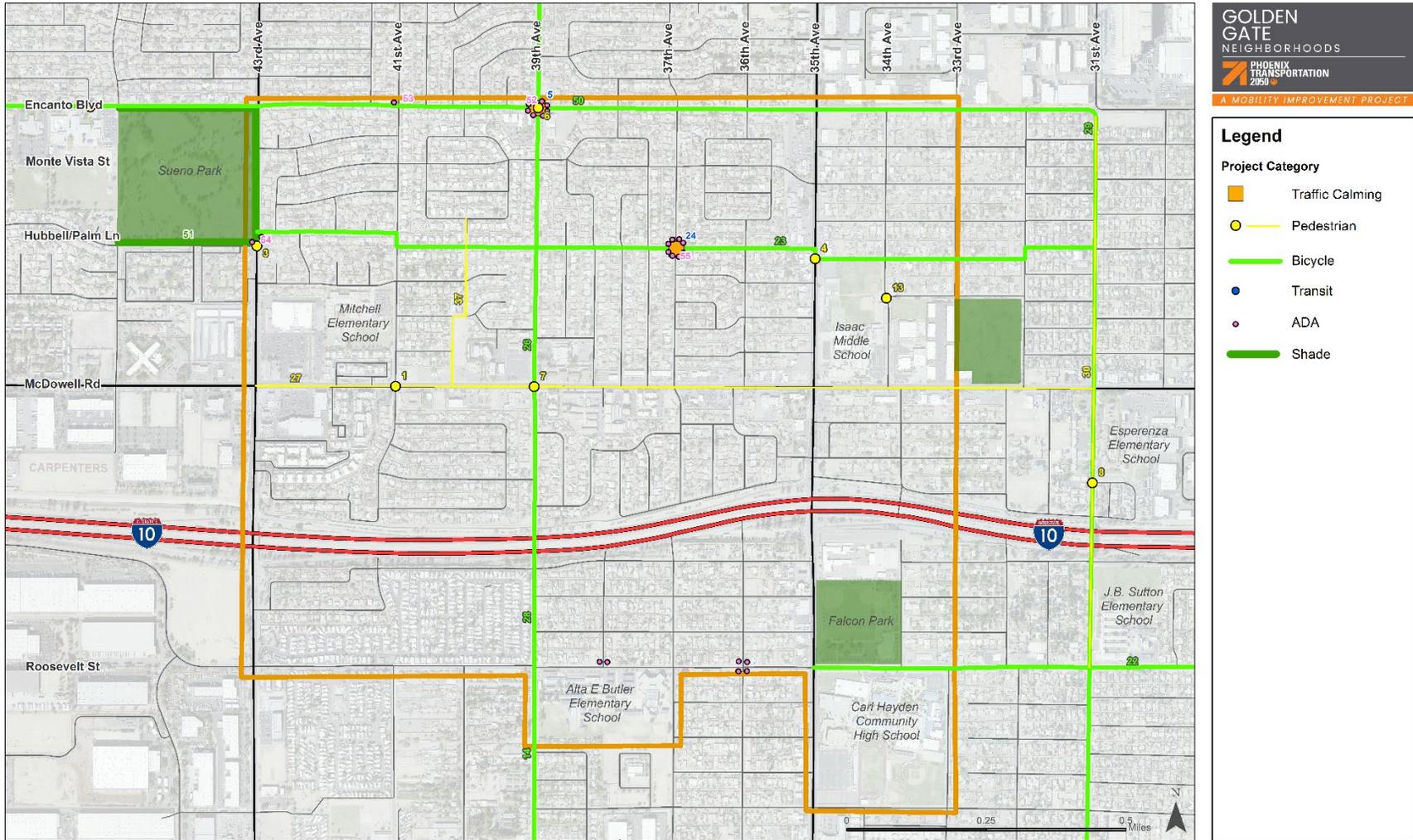
Transit type recommendations are improvements to existing bus stops. An inventory of all bus stops within the mobility area was conducted to identify which stops were not ADA compliant, so the transit projects all recommend improve or retrofitting the non-ADA complaint bus stops. There were zero bus stops identified within the Mobility Area that were non-ADA compliant.

American Disability Act (ADA) projects simply identify existing curb ramps within the Eastlake Neighborhood Mobility Area that are currently non-ADA complaint. A total of 124 ramps were identified as non-ADA complaint. The City has an initiative in place and is already in the process of replacing or updating all the 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 25 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 steadily making progress to provide more shade to create healthier and more walkable environments. In this study, there were three projects identified that could incorporate shade as an additional component. For example, Project Number 50 – Sueno Park Shade Trees includes planting trees on the northern, eastern, and southern boundary of Sueno Park adjacent to the sidewalk along Encanto Boulevard, 43rd Avenue, and Hubbell Street.

The 57 proposed recommendations for MA 4 vary from corridor improvement projects to spot improvement projects that target different categories of active travel users to create or improve local and regional connections. Enhanced connections to parks, schools, healthcare facilities, and public transit were prioritized accordingly.

Figure 3: Top 23 Prioritized Mobility Recommendations



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 22 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 54 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 Golden Gate 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 54 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	HAWK at McDowell Road and 41 st Avenue	McDowell Road and 41 st Avenue	-	Mid-block crossing Crossing Street Lighting	<p>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.</p> <p>This HAWK will provide a mid-block crossing point on busy McDowell Road between signalized intersections at 43rd Avenue and 39th Avenue (0.5 mi). This HAWK will significantly enhance safe connections to Mitchell Elementary School, Fry's, Golden Gate Community Center, Food City and other adjacent multi- and single-family housing.</p>	\$372,615	97	1
2	HAWK at 43 rd Avenue and Hubbell Street	43 rd Avenue and Hubbell Street	-	Mid-block crossing Crossing Street Lighting	<p>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.</p> <p>This HAWK will provide a mid-block crossing point on busy McDowell Road between signalized intersections at 43rd Avenue and 39th Avenue (0.5 mi). This HAWK will significantly enhance connections to Mitchell Elementary School, Sueno Park, Fry's, Golden Gate Community Center, Food City and other adjacent multi- and single-family housing.</p>	\$372,615	95	3
3	43 rd Avenue and McDowell Road Intersection Improvement	43 rd Avenue and McDowell Road	-	Street Lighting	<p>Construct an 8-foot two-way cycle track on the south side of Villa Street from 20th Street to 18th Street.</p> <p>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.</p> <p>A center Lane Stripe is required on Fillmore Street between 16th Street and 7th Street.</p>	\$123,696	95	7
4	Palm Lane and 37 th Avenue Intersection Improvement	Palm Lane and 37 th Avenue	-	Traffic control/calming	<p>Construct a traffic circle at the intersection of 37th Avenue and Palm Lane.</p> <p>Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.</p> <p>Traffic circle may be installed using simple lane 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.</p>	\$212,378	95	24

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
5	Palm Lane / Hubbell Street Bike Facility	Palm Lane / Hubbell Street	43 rd Avenue to 31 st Avenue (1.6 miles)	Bicycle facility	Stripe Bike lanes on Hubbell Street/ Palm Lane between 43 rd Avenue and 35 th Avenue with the on-street parking adjacent to the curb. Stripe Shared-lane marking on Palm Lane between 35 th Avenue and 31 st Avenue. The bike facility will take advantage of surplus asphalt at Isaac Middle School, Sueno Park, Mitchell Elementary School, Bicycle Repair Shop, Hubbell St and 43 rd Avenue Bus Stop, Palm Lane and 35 th Avenue Bus Stop and all of the adjacent single-family housing.	\$412,371	91	26
6	39 th Avenue Bike Lane Restriping	39 th Avenue	Van Buren Road to Grand Canal (2.7 miles)	Bicycle Facility	Restripe the bike lanes to extend to intersections along 39 th Avenue between Roosevelt Street and Osborn Road. Bike Lanes north of Osborn Road will need to be striped - create connection with the Grand Canal. This bike project will improve the existing bike facility by making sure the bike lane is striped all the way up to intersections while also creating a regional connection by linking with the Grand Canal.	\$161,303	90	29
7	34 th Avenue and Granado Road Crosswalk	34 th Avenue and Granado Road	-	Pedestrian	Paint two Crosswalks at Granada Road and 34th Avenue. One on the north leg across 34th Avenue and the another on each leg across Granado Road. These crosswalks will significantly enhance the connection to Isaac Middle School for students walking and biking to school daily.	\$47,904	88	13
8	HAWK at 35 th Avenue and Palm Lane	35 th Avenue and Palm Lane	-	Mid-block crossing Pedestrian	Construct a HAWK mid-block crossing with high-visibility crosswalks at 35 th Avenue and Palm Lane. The project would also include arterial street level ADA compliant curb ramps the east and west sides of 35 th Avenue. 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 the connection to Isaac Middle School for students walking and biking to school daily.	\$372,615	85	4
9	31 st Avenue Bike Lane Restriping	31 st Avenue	Van Buren Road to Encanto Boulevard (1.5 miles)	Bicycle facility	Restripe bike lanes on 31 st Avenue to extend to intersections between Encanto Boulevard and Van Buren Road. This bike project will improve the existing bike facility by making sure the bike lane is striped up to the intersection. The 2-foot buffer adjacent to the existing bike lane will improve the facility by creating a safer and more pleasant experience for cyclists and pedestrians on the sidewalk. 31 st Avenue is frequently used to access local destinations such as the adjacent schools.	\$99,465	85	29

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
10	31 st Avenue Sidewalk Widening and Enhancements	31 st Avenue	Van Buren Road to Encanto Boulevard (1.5 miles)	Sidewalk Curb Ramps Pedestrian Shade	<p>Widen the sidewalk on the east side of the street from 6 feet to 10 feet between Van Buren Road and Encanto Boulevard for approximately 1.5 miles.</p> <p>Introduce crosswalks and ADA-compliant ramps at all four legs of the intersection at Palm Lane, Filmore Street, Polk Street, and Moreland Street.</p> <p>Plant shade trees (24" box) every 50 feet on center, totaling 104 trees. The shade trees require six valves, two backflows with cages, two 1" meters, and two controllers.</p> <p>The wider sidewalk will allow for more people to navigate the sidewalk while also more comfortable for handicapped users. The shade from the trees will create a more pleasant environment for the users.</p>	\$1,983,257	85	30
11	Encanto Blvd and 39 th Ave Intersection Improvement	Encanto Boulevard and 39 th Avenue	-	Traffic control/calming Pedestrian crossing Curb Ramps	<p>Install crosswalks at all legs of the intersection of 39th Avenue and Encanto Boulevard</p> <p>Construct a small traffic circle</p> <p>Introduce ADA-compliant ramps at all four legs of the intersection</p> <p>Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.</p> <p>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 intersection to ensure available lane width and turning radius.</p>	\$266,359	84	6
12	Encanto Boulevard and 41 st Avenue Traffic Calming	Encanto Boulevard and 41 st Avenue	-	Traffic control/calming	<p>Construct a small traffic circle</p> <p>Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.</p> <p>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 intersection to ensure available lane width and turning radius.</p>	\$212,378	81	25
13	Encanto Boulevard and 45 th Avenue Raised Crosswalk	Encanto Boulevard and 45 th Avenue	-	Pedestrian crossing	<p>Construct a raised Crosswalk at 45th Avenue and Encanto Boulevard with pedestrian crossing signage.</p> <p>Raised intersections and crosswalks encourage motorists to yield to pedestrians because the raised crosswalk increases pedestrian visibility and forces motorists to slow down before going over the speed table.</p>	\$459,848	79	9

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
14	38 th Lane/ Drive and Cypress Street Sidewalks	38 th Lane/ Drive and Cypress Street	-	Sidewalk	Construct 5-foot sidewalks on both sides of 38 th Lane / Drive for approximately 0.2 miles.	\$139,502	79	34
15	31 st Avenue and 30 th Drive Crosswalk	31 st Avenue and 30 th Drive	-	Pedestrian Crossing	Construct a raised Crosswalk at 31 st Avenue and 30 th Drive with pedestrian crossing signage.	\$63,140	81	39
16	39 th Avenue Bike Lane	39 th Avenue	I-10 to Van Buren Street (1 mile)	Bike Facility	Stripe a bike lane on 39 th Avenue from the I-10 overpass south to Van Bren St. Only a northbound bike lane is needed between Roosevelt Street and the I-10 overpass. Ensure all bike lanes go to the intersection. The bike facility will take advantage of unused asphalt on 19th Street enhancing connections to Alta E Butler Elementary School, Morris K. Udall Middle School, and Carl Hayden High School.	\$417,289	78	14
17	38 th Avenue and Roosevelt Street Pedestrian Crossing Improvement	38 th Avenue and Roosevelt Street	-	Traffic Control/Calming Pedestrian crossing	Restripe yellow crosswalks and install a Rectangular Rapid Flashing Beacon mid-block crossing. Introduce crosswalks and ADA-compliant ramps at all four legs of the intersection.	\$143,961	78	2
18	31 st Avenue and Roosevelt Street Intersection Improvement	31 st Avenue and Roosevelt Street	-	Traffic control/calming Pedestrian crossing Curb Ramps	Construct a small traffic circle at 31st Avenue and Roosevelt Street and introduce crosswalks and ADA-compliant ramps at all four legs of the intersection. 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 intersection to ensure available lane width and turning radius.	\$266,359	77	11
19	Roosevelt Street Bike Lane Striping/Re-Striping	Roosevelt Street	43 rd Avenue to 27 th Avenue (2 miles)	Bike facility	Restripe the bike lane on Roosevelt between 43 rd Avenue and 35 th Avenue to go all the way up to the intersections. Also stripe new bike lanes on both sides of Roosevelt Street Between 33 rd Avenue and 27 th Avenue.	\$328,447	77	22
20	40 th Avenue Sidewalks	40 th Avenue	McDowell Road to 40 th Drive	Sidewalk	Construct 5-foot sidewalks on both sides of 40 th Avenue between McDowell Road and 40 th Drive. The construction of these sidewalks will fill in a gap in the existing sidewalk network, particularly enhancing connections with adjacent homes to Golden Gate Community Center, Mitchell Elementary School, Christian Life Church, Antioch Missionary Baptist Church, and Family Dollar.	\$1,207,830	77	37

Rank	Project Name	Route(s)	Project limits	Project Type	Project Description	Cost Estimate	Evaluation Criteria Score	Map ID
21	31 st Avenue and Palm Lane Traffic Calming	31 st Avenue and Palm Lane	-	Traffic control/calming	<p>Construct a small traffic circle at 31st Avenue and Palm Lane.</p> <p>Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.</p> <p>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 intersection to ensure available lane width and turning radius.</p>	\$212,378	76	12
22	Encanto Boulevard Buffered Bike Lane	Encanto Boulevard	49 th Avenue to 31 st Avenue (2.3 miles)	Bike facility	<p>Stipate a buffer to the existing bike lane on Encanto Boulevard from 48th Avenue to 31st Avenue for approximately 2.3 miles.</p> <p>The 2-foot buffer adjacent to the existing bike lane will improve the facility by creating a safer and more pleasant experience for cyclists and pedestrians on the sidewalk.</p>	\$139,211	76	51



Project Name	Rank	Map ID
HAWK at McDowell Road and 41 st Avenue	1	1
Project Limits	Prioritization Score	
McDowell Road and 41 st Avenue	97	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Vehicular speeding concern • Frequent bicycle activity • Two pedestrian fatalities on McDowell Road 	<ul style="list-style-type: none"> • Mitchell Elementary School • Fry's Food and Drug • Golden Gate Community Center • Sueno Park • Rancho Cielo - Senior Center • Food City • Family Dollar

Project Elements	Project Type	Benefits
HAWK mid-block crossing	Mid-block crossing	Increased safety of crossing pedestrian
High-visibility crosswalks	Crossing	Increased visibility for crossings
LED intersection/street Lighting	Street Lighting	Increased night time visibility

Detailed Project Description

- 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.
- This HAWK will provide a mid-block crossing point on busy McDowell Road between signalized intersections at 43rd Avenue and 39th Avenue (0.5 mi). This HAWK will significantly enhance safe connection to Mitchell Elementary School, Fry's, Golden Gate Community Center, Food City and other adjacent multi- and single-family housing.

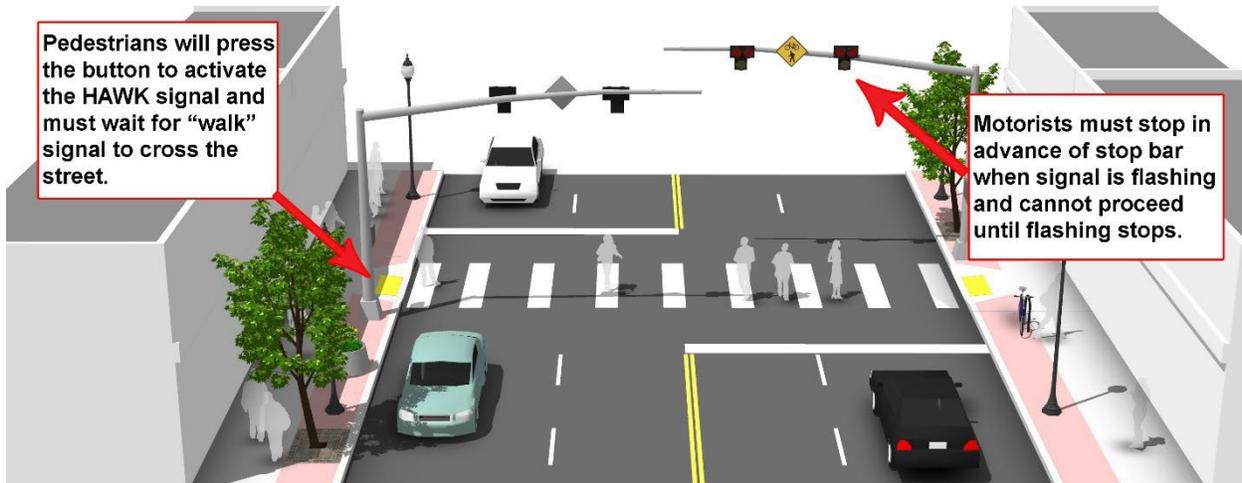
Project Location	Project Cost Estimates	
	Design*	\$ 71,026
	ROW	\$ -
	Construction	\$ 140,329
	Other	\$ 161,260
	Grand Total	\$ 372,615
	Delivery Considerations	
N/A		

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



Project Name	Rank	Map ID
HAWK at McDowell Road and 41 st Avenue	1	1
Project Limits	Prioritization Score	
McDowell Road and 41 st Avenue	97	

Project Example Photos/Graphic





Project Name		Rank	Map ID
HAWK at 43 rd Avenue and Hubbell Street		2	3
Project Limits		Prioritization Score	
43 rd Avenue and Hubbell Street		95	
Current Conditions		Destinations	
<ul style="list-style-type: none"> • High traffic volumes • Frequent pedestrian activity • Vehicular speeding concern • Frequent pedestrian and bicycle jay walking across 43rd Avenue • Two pedestrian fatalities on 43rd Avenue 		<ul style="list-style-type: none"> • Mitchell Elementary School • Fry's Food and Drug • Golden Gate Community Center • Sueno Park • Rancho Cielo - Senior Center • Food City • Family Dollar 	
Project Elements	Project Type	Benefits	
HAWK mid-block crossing	Mid-block crossing	Increased safety of crossing pedestrian	
High-visibility crosswalks	Crossing	Increased visibility for crossings	
LED intersection/street Lighting	Street Lighting	Increased night time visibility	

Detailed Project Description

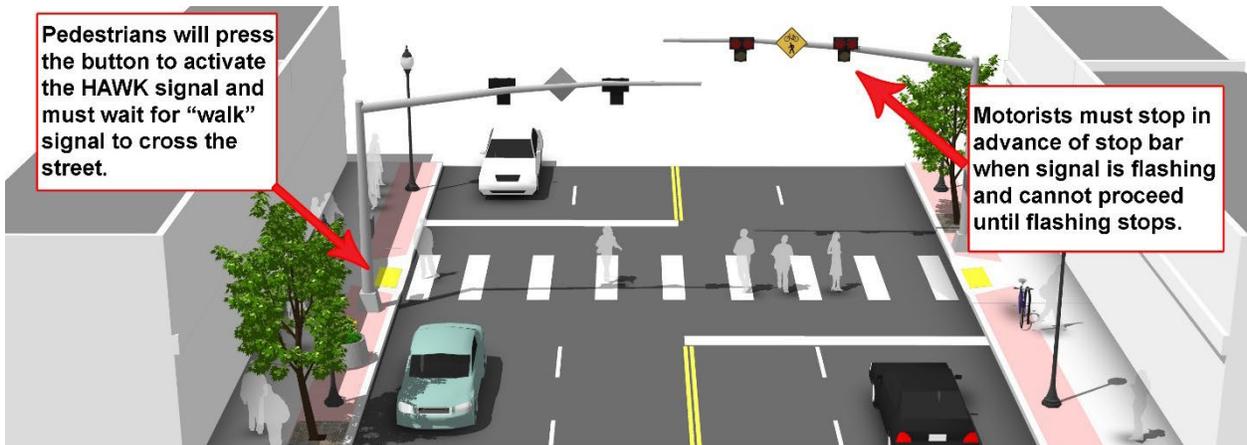
- The project includes a HAWK mid-block crossing with high-visibility crosswalks. There would be pedestrian advanced warning signage on the east and west legs of the intersection. Street lighting will also be included to light the intersection during the evening.
- This HAWK will provide a mid-block crossing point on busy 43rd Avenue between signalized intersections at McDowell Road and Encanto Boulevard (0.5 mi). This HAWK will significantly enhance connections to Mitchell Elementary School, Sueno Park, Fry's, Golden Gate Community Center, Food City and other adjacent multi- and single-family housing.

Project Location	Project Cost Estimates	
	Design*	\$71,026
	ROW	-
	Construction	\$140,329
	Other	\$161,260
	Grand Total	\$372,615
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
HAWK at 43 rd Avenue and Hubbell Street	2	3
Project Limits	Prioritization Score	
43 rd Avenue and Hubbell Street	95	

Project Example Photos





Project Name	Rank	Map ID
43 rd Avenue and McDowell Road Intersection Improvement	3	7
Project Limits	Prioritization Score	
43 rd Avenue and McDowell Road	95	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Vehicular speeding concern • Frequent pedestrian activity • Two pedestrian fatalities on 43rd Avenue and McDowell Road 	<ul style="list-style-type: none"> • Mitchell Elementary School • Fry's Food and Drug • Golden Gate Community Center • Sueno Park • Rancho Cielo - Senior Center • Food City • Family Dollar

Project Elements	Project Type	Benefits
Pedestrian Scale Lighting	Street Lighting	Increases pedestrian visibility

Detailed Project Description
<ul style="list-style-type: none"> • Install additional lighting and enhance existing lighting by putting pedestrian scale lighting at the intersection of 43rd Avenue and McDowell Road • The improved street lighting at this intersection will provide a safer crossing experience during the evening at the busy intersection of McDowell Road and 43rd Avenue. The improvement significantly enhances connections to Mitchell Elementary School, Fry's, Golden Gate Community Center, Food City and other adjacent multi- and single-family housing.

Project Location	Project Cost Estimates	
	Design*	\$44,485
	ROW	\$-
	Construction	\$75,469
	Other	\$3,742
	Grand Total	\$123,696
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
43 rd Avenue and McDowell Road Intersection Improvement	3	7
Project Limits	Prioritization Score	
43 rd Avenue and McDowell Road	95	

Project Example Photos





Project Name	Rank	Map ID
Palm Lane and 37 th Avenue Intersection Improvement	4	24
Project Limits	Prioritization Score	
Palm Lane and 37 th Avenue	95	

Current Conditions	Destinations
<ul style="list-style-type: none"> • Typical local street intersection • High percentage of cut-through traffic • High pedestrian and bicyclist activity • Primarily surrounded by single-family residential land uses 	<ul style="list-style-type: none"> • Isaac Middle School • Jack in the Box • Boys & Girls Club of America • Isaac Elementary School District, • Soccer City, • Garcia's Mexican Restaurant, • Bicycle Repair Center, • McDowell Rd & 35th Ave Pedestrian Bridge

Project Elements	Project Type	Benefits
Neighborhood traffic circle	Traffic control/calming	Vehicular speed reduction

Detailed Project Description

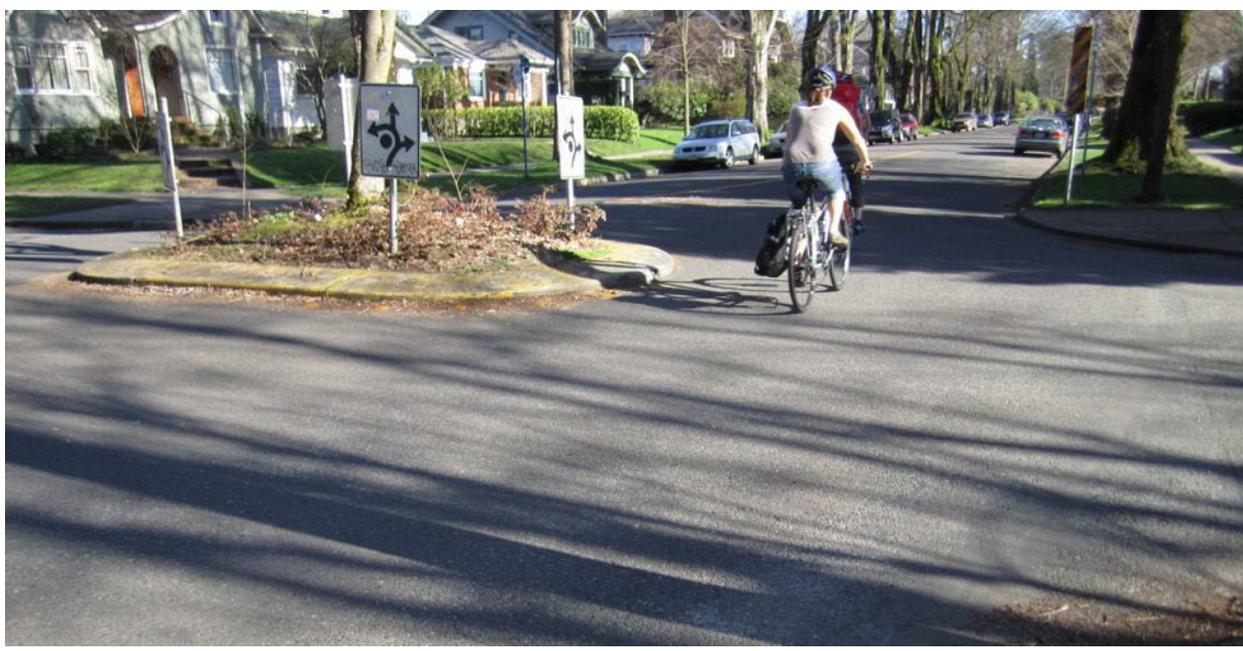
- Construct a traffic circle at the intersection of 37th Avenue and Palm Lane.
- Traffic circles (also known as mini roundabouts) lower speeds at minor intersection crossings and are an ideal treatment for uncontrolled intersections.
- A traffic circle may be installed using simple lane markings or raised 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 intersection to ensure available lane width and turning radius.

Project Location	Project Cost Estimates	
<p>Encanto Blvd Monte Vista Rd Palm Ln St McDowell Rd Moreland St Roosevelt St Fillmore St</p> <p>43rd Ave 41st Ave 39th Ave 37th Ave 36th Ave 35th Ave 33rd Ave</p> <p>W Monte Vista Rd W Palm Ln W Moreland St W Roosevelt St W Fillmore St</p> <p>Falcon Park</p> <p>Project Location</p>	Design*	\$52,141
	ROW	\$-
	Construction	\$152,667
	Other	\$7,570
	Grand Total	\$212,378
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
Palm Lane and 37 th Avenue Intersection Improvement	4	24
Project Limits	Prioritization Score	
Palm Lane and 37 th Avenue	95	

Project Example Photos





Project Name	Rank	Map ID
Palm Lane / Hubbell Street Bike Facility	5	26
Project Limits	Prioritization Score	
Palm Lane / Hubbell Street; 43 rd Avenue to 31 st Avenue (1.6 miles)	91	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Vehicular speeding concern • Frequent pedestrian activity 	<ul style="list-style-type: none"> • Encanto Palms Assisted Living • Isaac Middle School • Boys & Girls Club of America • Isaac Elementary School District • Sueno Park • Joseph Zito Elementary School • Fry's • Mitchell Elementary • Golden Gate Community Center

Project Elements	Project Type	Benefits
Bike Lane	Bicycle	Dedicated riding space for cyclists
Bike Route	Bicycle	Dedicated riding space for cyclists

Detailed Project Description

- Stripe Bike lanes on Hubbell Street/ Palm Lane between 43rd Avenue and 35th Avenue with the on-street parking adjacent to the curb. Stripe Shared-lane marking on Palm Lane between 35th Avenue and 31st Avenue.
- The bike facility will take advantage of surplus asphalt at Isaac Middle School, Sueno Park, Mitchell Elementary School, Bicycle Repair Shop, Hubbell St and 43rd Avenue Bus Stop, Palm Lane and 35th Avenue Bus Stop and all of the adjacent single-family housing.

Project Location	Project Cost Estimates	
	Design*	\$78,072
	ROW	-
	Construction	\$318,506
	Other	\$15,794
	Grand Total	\$412,371
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
Palm Lane / Hubbell Street Bike Facility	5	26
Project Limits	Prioritization Score	
Palm Lane / Hubbell Street; 43 rd Avenue to 31 st Avenue (1.6 miles)	91	

Project Example Photos





Project Name	Rank	Map ID
39 th Avenue Bike Lane Restriping	6	29
Project Limits	Prioritization Score	
39 th Avenue; Van Buren Road to Grand Canal (2.7 miles)	90	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Vehicular speeding concern • Frequent bicyclist activity 	<ul style="list-style-type: none"> • West Phoenix High School • Arizona Grand Canal • Encanto Palms Assisted Living • Alta E Butler Elementary School • Morris K. Udall Middle School • Carl Hayden High School • Falcon Park • Fry's • Food City

Project Elements	Project Type	Benefits
Bike Lane	Bicycle	Dedicated riding space for cyclists
Bike Route	Bicycle	Dedicated riding space for cyclists

Detailed Project Description
<ul style="list-style-type: none"> • Restripe the bike lanes to extend to intersections along 39th Avenue between Roosevelt Street and Osborn Road. Bike Lanes north of Osborn Road will need to be striped - create connection with the Grand Canal. • This bike project will improve the existing bike facility by making sure the bike lane is striped all the way up to intersections while also creating a regional connection by linking with the Grand Canal.

Project Location	Project Cost Estimates	
	Design*	\$47,731
	ROW	\$-
	Construction	\$108,206
	Other	\$5,366
	Grand Total	\$161,303
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
39 th Avenue Bike Lane Restriping	6	29
Project Limits	Prioritization Score	
39 th Avenue; Van Buren Road to Grand Canal (2.7 miles)	90	

Project Example Photos





Project Name	Rank	Map ID
34 th Avenue and Granado Road Crosswalk	7	13
Project Limits	Prioritization Score	
34 th Avenue and Granado Road	88	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Frequent pedestrian and bicycle activity • Fast vehicular speeds 	<ul style="list-style-type: none"> • Isaac Middle School • Jack in the Box • Boys & Girls Club of America • Isaac Elementary School District • Soccer City • Garcia's Mexican Restaurant • Bicycle Repair Center • McDowell Rd & 35th Avenue Pedestrian

Project Elements	Project Type	Benefits
Crosswalks	Pedestrian	Increases pedestrian visibility

Detailed Project Description

- Paint two Crosswalks at Granada Road and 34th Avenue. One on the north leg across 34th Avenue and the another on each leg across Granado Road.
- These crosswalks will significantly enhance the connection to Isaac Middle School for students walking and biking to school daily.

Project Location	Project Cost Estimates	
	Design*	\$37,941
	ROW	\$-
	Construction	\$9,492
	Other	\$471
	Grand Total	\$47,904
	Delivery Considerations	
	N/A	

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

Project Name	Rank	Map ID
34 th Avenue and Granado Road Crosswalk	7	13
Project Limits	Prioritization Score	
34 th Avenue and Granado Road	88	

Project Example Photos





Project Name	Rank	Map ID
HAWK at 35 th Avenue and Palm Lane	8	4
Project Limits	Prioritization Score	
35 th Avenue and Palm Lane	85	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Frequent pedestrian and bicycle jay walking across 35th Avenue • Current school crossing zone • Fast vehicular speeds 	<ul style="list-style-type: none"> • Isaac Middle School • Jack in the Box • Boys & Girls Club of America • Isaac Elementary School District • Soccer City • Garcia's Mexican Restaurant • Bicycle Repair Center • McDowell Rd & 35th Ave Pedestrian Bridge

Project Elements	Project Type	Benefits
HAWK mid-block crossing	Mid-block crossing	Increases safety for pedestrians
Crosswalks	Pedestrian	Increases pedestrian awareness
Wayfinding	Pedestrian	Provides greater mobility

Detailed Project Description

- Construct a HAWK mid-block crossing with high-visibility crosswalks at 35th Avenue and Palm Lane. The project would also include arterial street level ADA compliant curb ramps the east and west sides of 35th Avenue. 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 the connection to Isaac Middle School for students walking and biking to school daily.

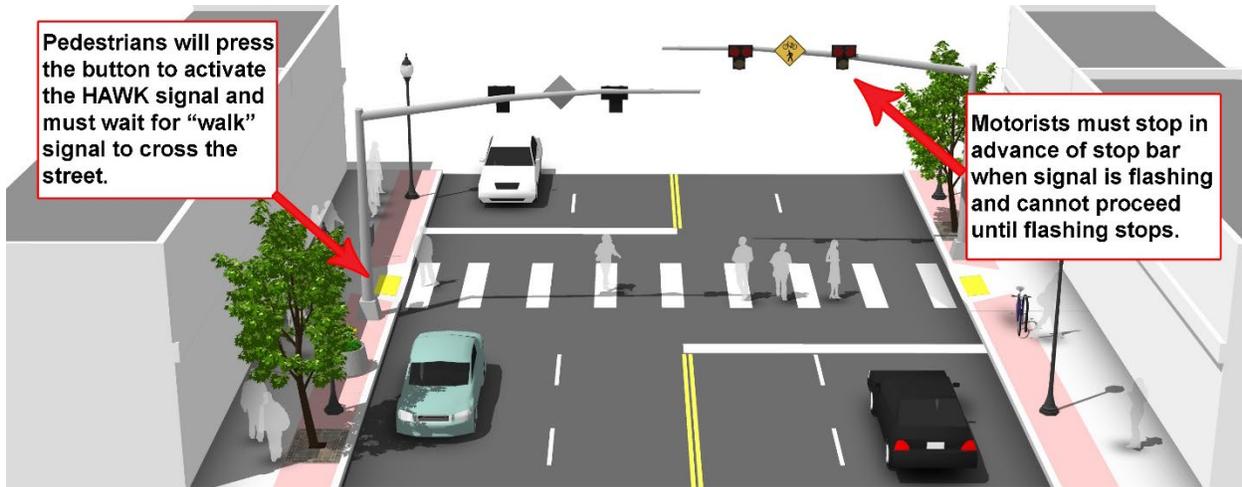
Project Location	Project Cost Estimates	
	Design*	\$71,026
	Right-of-way	-
	Construction	\$140,329
	Other	\$161,260
	Grand Total	\$372,615
Delivery Considerations		
N/A		

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



Project Name	Rank	Map ID
HAWK at 35 th Avenue and Palm Lane	8	4
Project Limits	Prioritization Score	
35 th Avenue and Palm Lane	85	

Project Example Photos





Project Name	Rank	Map ID
31 st Avenue Bike Lane Restriping	9	29
Project Limits	Prioritization Score	
31 st Avenue; Van Buren Road to Encanto Boulevard (1.5 miles)	85	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • Frequent pedestrian and bicycle activity • c 	<ul style="list-style-type: none"> • Carl Hayden High School • Falcon Park • Active Learning Center • JB Sutton Elementary School • Maricopa Government Offices • Esperanza Elementary School • Isaac Preschool & Middle School • Fiesta Market • Willow Park

Project Elements	Project Type	Benefits
Bike lane	Bicycle facility	Increases safety for bicyclists
Buffered bike Lane	Bicycle facility	Increases safety for bicyclists

Detailed Project Description
<ul style="list-style-type: none"> • Restripe bike lanes on 31st Avenue to extend to intersections between Encanto Boulevard and Van Buren Road. • This bike project will improve the existing bike facility by making sure the bike lane is striped up to the intersection. The 2-foot buffer adjacent to the existing bike lane will improve the facility by creating a safer and more pleasant experience for cyclists and pedestrians on the sidewalk. 31st Avenue is frequently used to access local destinations such as the adjacent schools.

Project Location	Project Cost Estimates	
	Design*	\$42,393
	Right-of-way	\$-
	Construction	\$54,376
	Other	\$2,696
	Grand Total	\$99,465
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
31 st Avenue Bike Lane Restriping	9	29
Project Limits	Prioritization Score	
31 st Avenue; Van Buren Road to Encanto Boulevard (1.5 miles)	85	

Project Example Photos





Project Name	Rank	Map ID
31 st Avenue Sidewalk Widening and Enhancements	10	30
Project Limits	Prioritization Score	
31 st Avenue; Van Buren Road to Encanto Boulevard (1.5 miles)	85	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High pedestrian activity • Primarily residential land uses • Multiple schools within the project limits 	<ul style="list-style-type: none"> • Carl Hayden Community High School • Falcon Park • JB Sutton Elementary School • Maricopa Government Offices • Esperanza Elementary School • Isaac Preschool • Isaac Middle School • Boys & Girls Club

Project Elements	Project Type	Benefits
Sidewalk widening	Sidewalk	Increases mobility for pedestrians
ADA Curb Ramps	Curb Ramps	Better mobility for disabled populations
Crosswalks	Pedestrian	Increases pedestrian visibility
Shade Trees	Shade	Increases comfort for sidewalk users

Detailed Project Description
<ul style="list-style-type: none"> • Widen the sidewalk on the east side of the street from 6 feet to 10 feet between Van Buren Road and Encanto Boulevard for approximately 1.5 miles. • Introduce crosswalks and ADA-compliant ramps at all four legs of the intersection at Palm Lane, Filmore Street, Polk Street, and Moreland Street. • Plant shade trees (24" box) every 50 feet on center, totaling 104 trees. The shade trees require six valves, two backflows with cages, two 1" meters, and two controllers. • The wider sidewalk will allow for more people to navigate the sidewalk while also more comfortable for handicapped users. The shade from the trees will create a more pleasant environment for the users.

Project Location	Project Cost Estimates	
	Design*	\$353,487
	ROW	\$-
	Construction	\$1,552,773
	Other	\$76,997
	Grand Total	\$1,983,257
	Delivery Considerations	
Sidewalk projects may require ROW		

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

Project Name	Rank	Map ID
31 st Avenue Sidewalk Widening and Enhancements	10	30
Project Limits	Prioritization Score	
31 st Avenue; Van Buren Road to Encanto Boulevard (1.5 miles)	85	

Project Example Photos





Project Name	Rank	Map ID
Encanto Boulevard and 39 th Avenue Intersection Improvement	11	6
Project Limits	Prioritization Score	
Encanto Boulevard and 39 th Avenue	84	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High traffic volumes • High percentage of cut-through traffic • High pedestrian and bicyclist activity • Primarily surrounded by single-family residential land uses • Excessive vehicular speeds 	<ul style="list-style-type: none"> • Encanto Palms Assisted Living • PT Coe School • Phoenix Manor Apartments, • Golden Gate Community Center • Sueno Park

Project Elements	Project Type	Benefits
Neighborhood traffic circle	Traffic control/calming	Vehicular speed reduction
Crosswalks	Pedestrian crossing	Improves street crossing safety
ADA-compliant curb ramps	Curb Ramps	Better mobility for disabled populations

Detailed Project Description
<ul style="list-style-type: none"> • Install crosswalks at all legs of the intersection of 39th Avenue and Encanto Boulevard • Construct a small traffic circle • Introduce ADA-compliant ramps at all four legs of the intersection • 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 lane 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 intersection to ensure available lane width and turning radius.

Project Location	Project Cost Estimates	
	Design*	\$56,801
	ROW	\$-
	Construction	\$199,658
	Other	\$9,900
	Grand Total	\$266,359
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
Encanto Boulevard and 39 th Avenue Intersection Improvement	11	6
Project Limits	Prioritization Score	
Encanto Boulevard and 39 th Avenue	84	

Project Example Photos





Project Name		Rank	Map ID
Encanto Boulevard and 41 st Avenue Traffic Calming		12	25
Project Limits		Prioritization Score	
Encanto Boulevard and 41 st Avenue		81	
Current Conditions		Destinations	
<ul style="list-style-type: none"> • Typical local street intersection • High pedestrian and bicyclist activity • Primarily residential land uses • High traffic volume and vehicular speeds related to cut through traffic 		<ul style="list-style-type: none"> • Encanto Palms Assisted Living • PT Core School • Phoenix Manor Apartments, • Golden Gate Community Center • Sueno Park 	
Project Elements	Project Type	Benefits	
Neighborhood traffic circle	Traffic control/calming	Vehicular speed reduction	

Detailed Project Description	
<ul style="list-style-type: none"> • Construct a small traffic circle • 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 intersection to ensure available lane width and turning radius. 	

Project Location	Project Cost Estimates	
	Design*	\$52,141
	ROW	-
	Construction	\$152,667
	Other	\$7,750
	Grand Total	\$212,378
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
Encanto Boulevard and 41 st Avenue Traffic Calming	12	25
Project Limits	Prioritization Score	
Encanto Boulevard and 41 st Avenue	81	

Project Example Photos





Project Name	Rank	Map ID
Encanto Boulevard and 45 th Avenue Raised Crosswalk	13	9
Project Limits	Prioritization Score	
Encanto Boulevard and 45 th Avenue	79	

Current Conditions	Destinations
<ul style="list-style-type: none"> • Frequent pedestrian and bicyclist crossing • Adjacent to an elementary school – frequent crossings • Excessive vehicular speeds 	<ul style="list-style-type: none"> • Sueno Park • Joseph Zito Elementary School • The Church of Jesus Christ of Latter-day Saints • Fry's • Walgreens • Mitchell Elementary

Project Elements	Project Type	Benefits
Raised crosswalk	Pedestrian crossing	Increases pedestrian safety

Detailed Project Description

- Construct a raised Crosswalk at 45th Avenue and Encanto Boulevard with pedestrian crossing signage.
- Raised intersections and crosswalks encourage motorists to yield to pedestrians because the raised crosswalk increases pedestrian visibility and forces motorists to slow down before going over the speed table.

Project Location	Project Cost Estimates	
	Design*	\$69,701
	ROW	\$-
	Construction	\$376,214
	Other	\$13,933
	Grand Total	\$459,848
Delivery Considerations		

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

Project Name	Rank	Map ID
Encanto Boulevard and 45 th Avenue Raised Crosswalk	13	9
Project Limits	Prioritization Score	
Encanto Boulevard and 45 th Avenue	79	

Project Example Photos





Project Name		Rank	Map ID
38 th Lane/Drive and Cypress Street Sidewalks		14	34
Project Limits		Prioritization Score	
38 th Lane/Drive and Cypress Street (0.2 miles)		79	
Current Conditions		Destinations	
<ul style="list-style-type: none"> • Currently no sidewalks one either side of the street • High pedestrian activity • Primarily residential land uses • Excessive vehicular speeds 		<ul style="list-style-type: none"> • Encanto Palms Assisted • Garcia's Mexican Restaurant • Soccer City • Mitchell Elementary School • Isaac Middle School • Golden Gate Community Center 	
Project Elements	Project Type	Benefits	
New Sidewalk	Sidewalk	Increases mobility for pedestrians	

Detailed Project Description

- Construct 5-foot sidewalks on both sides of 38th Lane / Drive for approximately 0.2 miles.

Project Location	Project Cost Estimates	
<p>Encanto Blvd Monte Vista Rd Palm Ln St McDowell Rd Moreland St Roosevelt St Fillmore St 43rd Ave 41st Ave 39th Ave 37th Ave 36th Ave 35th Ave 33rd Ave</p> <p>W Encanto Blvd W Monte Vista Rd W Palm Ln W McDowell Rd W Moreland St W Roosevelt St W Fillmore St</p> <p>N 41st Ave N 37th Ave</p> <p>Falcon Park</p> <p>10</p> <p>Project Location</p>	Design*	\$45,849
	ROW	\$-
	Construction	\$89,228
	Other	\$4,425
	Grand Total	\$139,502
Delivery Considerations		
Sidewalk project may require additional Right-of-way		

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

Project Name	Rank	Map ID
38 th Lane/Drive and Cypress Street Sidewalks	14	34
Project Limits	Prioritization Score	
38 th Lane/Drive and Cypress Street	79	

Project Example Photos





Project Name	Rank	Map ID
31 st Avenue and 30 th Drive Crosswalk	15	39
Project Limits	Prioritization Score	
31 st Avenue and 30 th Drive	81	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High pedestrian activity • Primarily residential land uses • Multiple schools within the project limits 	<ul style="list-style-type: none"> • Carl Hayden High School • Falcon Park • Active Learning Center • JB Sutton Elementary School • Maricopa Government Offices • Esperanza Elementary School • Isaac Preschool & Middle School • Fiesta Market • Willow Park

Project Elements	Project Type	Benefits
Crosswalks	Pedestrian Crossing	Increased pedestrian safety

Detailed Project Description
<ul style="list-style-type: none"> • Construct a raised Crosswalk at 31st Avenue and 30th Drive with pedestrian crossing signage.

Project Location	Project Cost Estimates	
	Design*	\$39,257
	ROW	\$-
	Construction	\$22,755
	Other	\$1,128
	Grand Total	\$63,140
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
31 st Avenue and 30 th Drive Crosswalk	15	39
Project Limits	Prioritization Score	
31 st Avenue and 30 th Drive	81	

Project Example Photos





Project Name	Rank	Map ID
39 th Avenue Bike Lane	16	14
Project Limits	Prioritization Score	
39 th Avenue; I-10 to Van Buren Street (1 mile)	78	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High bicycle and pedestrian activity • Primarily residential land uses • Multiple schools adjacent to the project limits 	<ul style="list-style-type: none"> • Alta E Butler Elementary School • Morris K. Udall Middle School • Your Neighborhood Butcher • Diesel Performance Center • Jacobson Industrial Staffing

Project Elements	Project Type	Benefits
Bike Lane	Bike Facility	Increases safety for bicyclists

Detailed Project Description

- Stripe a bike lane on 39th Avenue from the I-10 overpass south to Van Bren St. Only a northbound bike lane is needed between Roosevelt Street and the I-10 overpass. Ensure all bike lanes go to the intersection.
- The bike facility will take advantage of unused asphalt on 19th Street enhancing connections to Alta E Butler Elementary School, Morris K. Udall Middle School, and Carl Hayden High School.

Project Location	Project Cost Estimates	
	Design*	\$78,934
	ROW	-
	Construction	\$322,370
	Other	\$15,985
	Grand Total	\$417,289

Delivery Considerations

N/A

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

Project Name	Rank	Map ID
39 th Avenue Bike Lane	16	14
Project Limits	Prioritization Score	
39 th Avenue; I-10 to Van Buren Street (1 mile)	78	

Project Example Photos





Project Name		Rank	Map ID
38 th Avenue and Roosevelt Street Pedestrian Crossing Improvement		17	2
Project Limits		Prioritization Score	
38 th Avenue and Roosevelt Street		80	
Current Conditions		Destinations	
<ul style="list-style-type: none"> • High traffic volumes for a collector street • Excessive vehicular speed for a collector street • Multiple schools adjacent to the project limits • High pedestrian activity 		<ul style="list-style-type: none"> • Morris K. Udall Middle School • Alta E Butler Elementary School • Falcon Park • Circle K • Carl Hayden High School • JB Sutton Elementary 	
Project Elements	Project Type	Benefits	
Crosswalks	Traffic Control/Calming	Controls speed/behavior of vehicles	
Rectangular Rapid Flashing Beacon	Pedestrian crossing	Increases the safety of pedestrians	

Detailed Project Description

- Restripe yellow crosswalks and install a Rectangular Rapid Flashing Beacon mid-block crossing.
- Introduce crosswalks and ADA-compliant ramps at all four legs of the intersection.

Project Location	Project Cost Estimates	
<p>Encanto Blvd Monte Vista Rd Palm Ln St McDowell Rd Moreland St Roosevelt St Fillmore St</p> <p>43rd Ave 41st Ave 39th Ave 37th Ave 36th Ave 35th Ave 33rd Ave</p> <p>W Encanto Blvd W Monte Vista Rd W Palm Ln W McDowell Rd W Moreland St W Roosevelt St W Fillmore St</p> <p>N 41st Ave N 37th Ave Falcon Park</p> <p>Project Location</p>	Design*	\$46,234
	ROW	-
	Construction	\$93,110
	Other	\$4,617
	Grand Total	\$143,961
	Delivery Considerations	N/A

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

Project Name	Rank	Map ID
38 th Avenue and Roosevelt Street Pedestrian Crossing Improvement	17	2
Project Limits	Prioritization Score	
38 th Avenue and Roosevelt Street	80	

Project Example Photos





Project Name	Rank	Map ID
31 st Avenue and Roosevelt Street Intersection Improvement	18	11
Project Limits	Prioritization Score	
31 st Avenue and Roosevelt Street	77	

Current Conditions	Destinations
<ul style="list-style-type: none"> • Typical local street intersection • High pedestrian and bicyclist activity • Primarily residential land uses <p>High traffic volume and vehicular speeds related to cut through traffic</p>	<ul style="list-style-type: none"> • Morris K. Udall Middle School • Alta E Butler Elementary School • Circle K • Your Neighborhood Healthcare

Project Elements	Project Type	Benefits
Neighborhood traffic circle	Traffic control/calming	Vehicular speed reduction
Crosswalks	Pedestrian crossing	Improves street crossing safety
ADA-compliant curb ramps	Curb Ramps	Better mobility for disabled populations

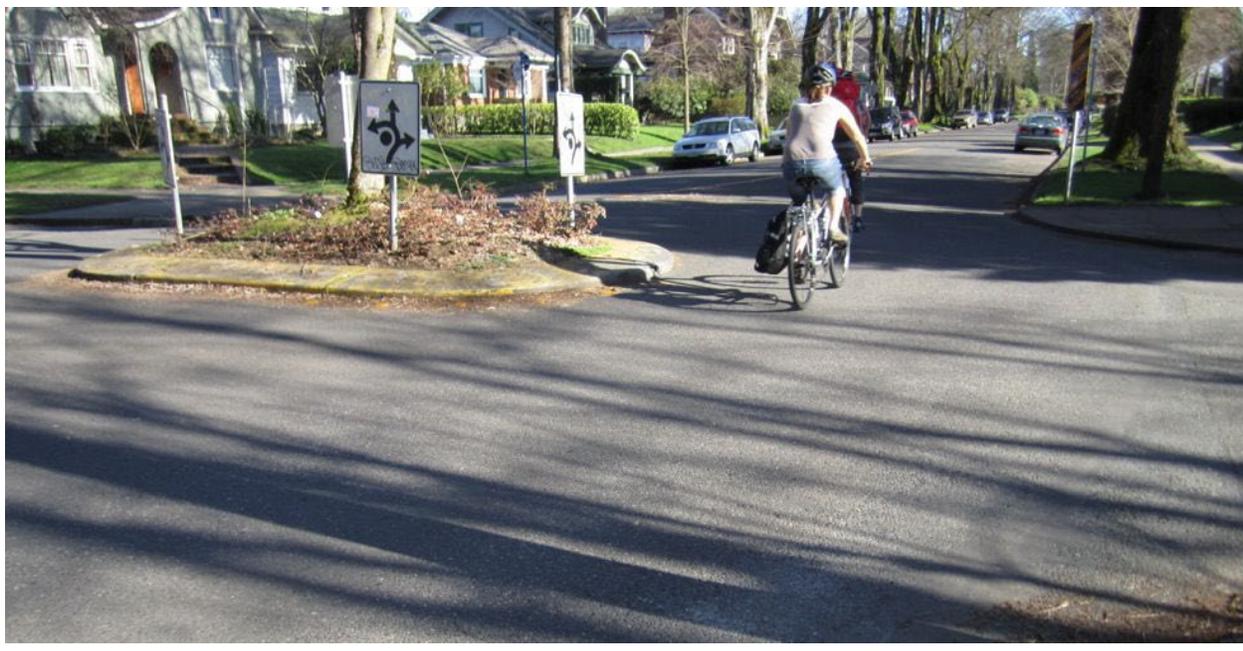
Detailed Project Description
<ul style="list-style-type: none"> • Construct a small traffic circle at 31st Avenue and Roosevelt Street and introduce crosswalks and ADA-compliant ramps at all four legs of the intersection. • Traffic circles (also known as mini roundabouts) lower speeds at minor intersection 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 intersection to ensure available lane width and turning radius.

Project Location	Project Cost Estimates	
	Design*	\$56,801
	ROW	\$-
	Construction	\$199,658
	Other	\$9,900
	Grand Total	\$266,359
Delivery Considerations		
N/A		

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

Project Name	Rank	Map ID
31 st Avenue and Roosevelt Street Intersection Improvement	18	11
Project Limits	Prioritization Score	
31 st Avenue and Roosevelt Street	77	

Project Example Photos





Project Name		Rank	Map ID
Roosevelt Street Bike Lane Striping/Re-Striping		19	22
Project Limits		Prioritization Score	
Roosevelt Street; 43 rd Avenue to 27 th Avenue (2 miles)		77	
Current Conditions		Destinations	
<ul style="list-style-type: none"> • High traffic volumes for a collector street • Excessive vehicular speed for a collector street • Multiple schools adjacent to the project limits • High pedestrian and bicyclist activity 		<ul style="list-style-type: none"> • Morris K. Udall Middle School • Alta E Butler Elementary School • Falcon Park • Circle K • Carl Hayden Community High School • Your Neighborhood Healthcare • JB Sutton Elementary 	
Project Elements	Project Type	Benefits	
Bike lane	Bike facility	Increases bicyclist safety.	
Detailed Project Description			

- Restripe the bike lane on Roosevelt between 43rd Avenue and 35th Avenue to go all the way up to the intersections. Also stripe new bike lanes on both sides of Roosevelt Street Between 33rd Avenue and 27th Avenue.

Project Location	Project Cost Estimates	
<p>Encanto Blvd Monte Vista Rd Palm Ln St McDowell Rd Moreland St Roosevelt St Fillmore St</p> <p>43rd Ave 41st Ave 39th Ave 37th Ave 36th Ave 35th Ave 33rd Ave</p> <p>W. Encanto Blvd W. Monte Vista Rd W. Palm Ln W. McDowell W. Moreland St Falcon Park</p> <p>22</p> <p>Project Location</p>	Design*	\$63,358
	ROW	-
	Construction	\$252,566
	Other	\$12,524
	Grand Total	\$328,447
	Delivery Considerations	
	N/A	

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

Project Name	Rank	Map ID
Roosevelt Street Bike Lane Striping/Re-Striping	19	22
Project Limits	Prioritization Score	
Roosevelt Street; 43 rd Avenue to 35 th Avenue	77	

Project Example Photos





Project Name	Rank	Map ID
40 th Avenue Sidewalks	20	37
Project Limits	Prioritization Score	
40 th Avenue; McDowell Road to 40 th Drive	77	

Current Conditions	Destinations
<ul style="list-style-type: none"> • Currently no sidewalks on either side of the street • High pedestrian and bicyclist activity • Primarily residential land uses 	<ul style="list-style-type: none"> • Encanto Palms Assisted Living • Garcia's Mexican Restaurant • Soccer City • Mitchell Elementary School • Isaac Middle School • Golden Gate Community Center

Project Elements	Project Type	Benefits
Sidewalks	Sidewalk	Increases safety of pedestrians

Detailed Project Description

- Construct 5-foot sidewalks on both sides of 40th Avenue between McDowell Road and 40th Drive.
- The construction of these sidewalks will fill in a gap in the existing sidewalk network, particularly enhancing connections with adjacent homes to Golden Gate Community Center, Mitchell Elementary School, Christian Life Church, Antioch Missionary Baptist Church, and Family Dollar.

Project Location	Project Cost Estimates	
	Design*	\$217,535
	ROW	\$-
	Construction	\$943,509
	Other	\$46,786
	Grand Total	\$1,207,830
	Delivery Considerations	
Sidewalk project may require additional right-of-way		

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

Project Name	Rank	Map ID
40 th Avenue Sidewalks	20	37
Project Limits	Prioritization Score	
40 th Avenue; McDowell Road to 40 th Drive	77	

Project Example Photos





Project Name	Rank	Map ID
31 st Avenue and Palm Lane Traffic Calming	21	12
Project Limits	Prioritization Score	
31 st Avenue and Palm Lane	76	

Current Conditions	Destinations
<ul style="list-style-type: none"> • Currently no sidewalks on either side of the street • High pedestrian and bicyclist activity • Primarily residential land uses 	<ul style="list-style-type: none"> • Emmanuel Temple • Esperanza Elementary School • Isaac Preschool • Isaac Middle School • Isaac School District Offices • Boys & Girls Club of America

Project Elements	Project Type	Benefits
Neighborhood traffic circle	Traffic control/calming	Vehicular speed reduction

Detailed Project Description

- Construct a small traffic circle at 31st Avenue and Palm Lane.
- 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 intersection to ensure available lane width and turning radius.

Project Location	Project Cost Estimates	
<p>Legend: ■ Project Location</p>	Design*	\$52,141
	ROW	-
	Construction	\$152,667
	Other	\$7,750
	Grand Total	\$212,378
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
31 st Avenue and Palm Lane Traffic Calming	21	12
Project Limits	Prioritization Score	
31 st Avenue and Palm Lane	76	

Project Example Photos





Project Name	Rank	Map ID
Encanto Boulevard Buffered Bike Lane	22	51
Project Limits	Prioritization Score	
Encanto Boulevard; 49 th Avenue to 31 st Avenue (2.3 miles)	76	

Current Conditions	Destinations
<ul style="list-style-type: none"> • High pedestrian and bicyclist activity • Primarily residential land uses • Multiple schools adjacent to the project limits • High traffic volumes • Vehicular speeding concern 	<ul style="list-style-type: none"> • Isaac Middle School • Isaac Elementary School • Esperanza Elementary School • Bret Tarver Learning Center, • Family Dollar • Fry's and Walgreens • Circle K • Family Dollar • Golden Gate Community Center • Sueno Park • Mitchel Elementary School

Project Elements	Project Type	Benefits
Buffered bike lane	Bike facility	Provides additional security for bicyclists

Detailed Project Description
<ul style="list-style-type: none"> • Stipe a buffer to the existing bike lane on Encanto Boulevard from 48th Avenue to 31st Avenue for approximately 2.3 miles. • The 2-foot buffer adjacent to the existing bike lane will improve the facility by creating a safer and more pleasant experience for cyclists and pedestrians on the sidewalk.

Project Location	Project Cost Estimates	
<p>Project Location</p>	Design*	\$45,824
	ROW	\$-
	Construction	\$88,975
	Other	\$4,412
	Grand Total	\$139,211
	Delivery Considerations	
N/A		

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

Project Name	Rank	Map ID
Encanto Boulevard Buffered Bike Lane	22	51
Project Limits	Prioritization Score	
Encanto Boulevard; 49 th Avenue to 31 st Avenue (2.3 miles)	76	

Project Example Photos

