

Achieving Transit Accessibility Now (ATAN)

Due: Thursday, November 1st at 10 a.m.

(Please note; match rate is 80%/20%, minimum request is \$100,000 total which can include multiple agencies, maximum per location/stop is \$50,000 total, local match may exceed 20%)

Name of Project(s): City of Phoenix Street Transportation Department
Round 4 ATAN Application Submission

Project ID	Project Name	Bus Stop ID(s)
Phx.1	Camelback Road & 19th Avenue Safety Rail Improvements	1166
Phx.2	Van Buren Street & UMOM High-Intensity Activated Crosswalk beacon (HAWK)	901 & 6130
Phx.3	McDowell Rd & 45th Ave HAWK	1479 & 6831
Phx.4	3 rd St & Moreland St Rectangular Rapid Flash Beacon (RRFB)	2297 & 4031
Phx.5	33 rd Ave & Northern Ave HAWK	1531 & 6871
Phx.6	19 th Ave & Sunnyside Ave HAWK	2037 & 3760
Phx.7	Hatcher Rd & 10 th Ave RRFB	1397 & 6700
Phx.8	12 th St & Belmont Ave RRFB	3617 & 1899

Lead Agency Project Contact Information:

Leticia Vargas, PE
Special Projects Administrator
City of Phoenix Street Transportation Department
200 W. Washington Street, 5th floor
Phoenix, Arizona 85003-1611
Phone: 602-534-5692
Email: leticia.vargas@phoenix.gov

Partnering Agencies (if any):

N/A

Location(s) of Project. Please attach a photograph of the existing condition.

See Attachment 1 for location photographs

Projected Start Date (with pre-award authority): 2/8/2019

Projected Completion Date (final draw- down): 2/7/2020

Project Type:

- | | | | |
|-------------------------------------|---------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | Shelter Improvement/Replacement | <input checked="" type="checkbox"/> | Sidewalk Improvement |
| <input type="checkbox"/> | Information / Signage | <input type="checkbox"/> | Improvements to boarding and alighting area |
| <input checked="" type="checkbox"/> | Curb Ramps/Slope/Landings | <input checked="" type="checkbox"/> | Other: Implementation of safety fencing, HAWK roadway crossing or RRFB roadway crossing |

Please provide a short narrative. Be specific about how this project will benefit people with disabilities. Include in the description the significance of the project to the participating agency(s).

See **Attachment 1** for each project's descriptive narrative

Ridership Information:

Project ID	Location	Ridership (boardings)	Date*
Phx.1	Camelback Rd & 19 th Ave EB	145	4/23/18 – 7/22/18
Phx.2	Van Buren St & UMOM EB/WB	62 / 22	4/23/18 – 7/22/18
Phx.3	45 th Ave & McDowell Rd EB/WB	9 / 11	4/23/18 – 7/22/18
Phx.4	3 rd St & Moreland St NB/SB	0 (drop off only) / 11	4/23/18 – 7/22/18
Phx.5	33 rd Ave & Northern Ave EB/WB	22 / 6	4/23/18 – 7/22/18
Phx.6	19 th Ave & Sunnyside Ave NB/SB	21 / 83	4/23/18 – 7/22/18
Phx.7	Hatcher Rd & 10 th Ave EB/WB	38 / 32	4/23/18 – 7/22/18
Phx.8	12 th St & Belmont Ave NB/SB	5 / 25	4/23/18 – 7/22/18

* The city of Phoenix uses the Automated Passenger Counter (APC) to calculate average bus boardings between the indicated timeframe

Demographic Information: [MAG Demographic Mapping](#)

Project ID	Route(s)	Percentage of Minority Persons	Percentage of Persons with income below poverty level	Percentage of Families with income below poverty level	Percentage of housing units with no vehicle available
	Maricopa County Average	43.1%	16.5%	12.1%	6.6%
Phx.1	Camelback Rd & 19 th Ave	63.7%	39.6%	41.3%	30.8%
Phx.2	Van Buren St & UMOM	85.3%	43.4%	47.1%	13.1%
Phx.3	45 th Ave & McDowell Rd	93.5%	60.2%	61.9%	35.1%
Phx.4	3 rd St & Moreland St	52.9%	20.3%	0%	15.9%
Phx.5	33 rd Ave & Northern Ave	62.9%	39.4%	33.4%	16.3%
Phx.6	19 th Ave & Sunnyside Ave	54.4%	26.4%	24.5%	18.2%
Phx.7	Hatcher Rd & 10 th Ave	71.5%	46.5%	40.9%	14.4%
Phx.8	12 th St & Belmont Ave	19.2%	10.9%	0%	15.5%

Note: 100 ft buffer used to capture census tracts adjoining the project location. For a list of all census tracts used to tabulate values, please refer to **Attachment 2**.

Cost Summary:

Description	Source	Total Project Amount	Request Amount
Camelback Road & 19th Avenue Safety Rail Improvements	T2050*	\$46,702	\$37,361 (80.00%)
Van Buren St & UMOM HAWK	AHUR^	\$150,000	\$40,000 (26.67%)
McDowell Rd & 45th Ave HAWK	AHUR^	\$150,000	\$40,000 (26.67%)
3rd St & Moreland St RRFB	AHUR^	\$60,000	\$40,000 (66.67%)
33rd Ave & Northern Ave HAWK	AHUR^	\$150,000	\$40,000 (26.67%)
19th Ave & Sunnyside Ave HAWK	AHUR^	\$150,000	\$40,000 (26.67%)
Hatcher Rd & 10th Ave RRFB	AHUR^	\$60,000	\$40,000 (66.67%)
12th St & Belmont Ave RRFB	AHUR^	\$60,000	\$40,000 (66.67%)
Total Estimated Cost of Project		\$826,702	
Local Match Amount (61.61%)		\$509,340	
Amount Requested (38.39%)		\$317,362	

* City of Phoenix Transportation 2050 – voter approved 25-year citywide dedicated transportation funding source

^ Arizona Highway User Revenue – state funding allocated to city of Phoenix Street Transportation Department

Authorizing Signature (Transportation Director or Above): 

Print Name: Bill Wiley, PE

Print Title: Interim Street Transportation Director

Date: October 31, 2018

Staff Section

Date Submitted:

Date MAG Regional Council Approved:



Attachment 1

Project Title: Camelback Road & 19th Avenue Safety Rail Improvements

Bus Route Affected: 50 East



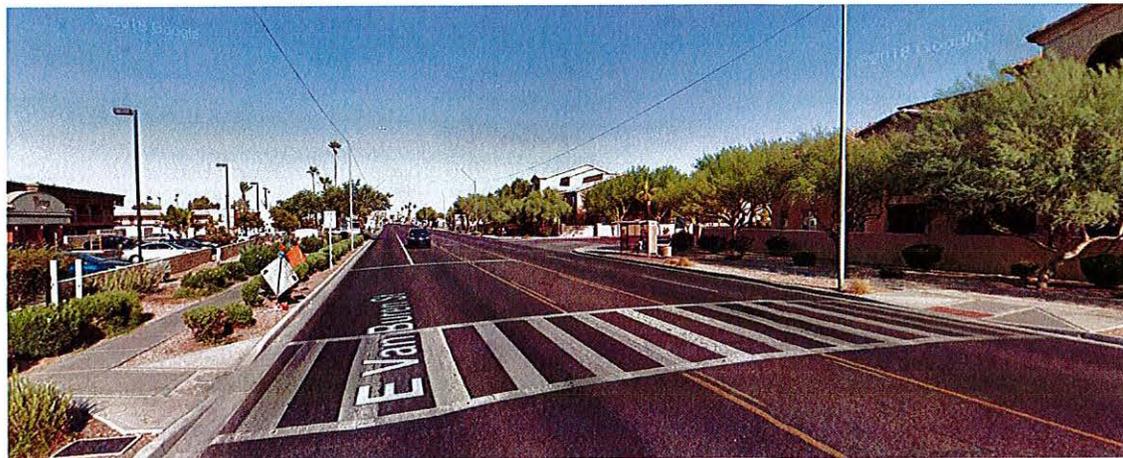
Project Narrative

Implementing a safety railing to both sides of the eastbound Camelback Road / 19th Avenue bus boarding zone will provide a safer pedestrian environment by creating a safe transfer option for transit riders transitioning between the eastbound bus stop and the Valley Metro Light Rail station. By implementing curbside safety fencing, pedestrians traveling between these two facilities are better guided towards safer, signalized crossing locations at either the Camelback Road and 19th Avenue or the 19th Avenue and Camelback Park-and-Ride entrance intersections. A 2016 completed Safety Assessment of Camelback Road between 19th Avenue to 17th Avenue indicated 10 crashes involving pedestrians as well as documented frequent mid-block pedestrian crossing activity, particularly observed between the bus stop and the light rail station. This Safety Assessment has led to the completed design for the safety fencing.

ADA Feature(s): The installation of safety railings both east and west of the bus stop maintains sufficient boarding clearance and sidewalk widths in conjunction with current ADA standards. Furthermore, the safety rail implementation will specifically address any sidewalk vertical discontinuity by replacing all uneven sidewalk panels that pose a trip hazard.

Project Title: Van Buren Street & UMOM HAWK

Bus Routes Affected: 3 East/West



Project Narrative

The city of Phoenix will implement a HAWK crossing on Van Buren Street approximately ¼ mile east of 32nd Street at the United Methodist Outreach Ministries (UMOM) New Day Center location. The UMOM HAWK crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. This crossing location is directly adjacent to the UMOM New Day Center which provides short- and long-term shelter services to individuals and families experiencing homelessness. Furthermore, this project will also serve the Legacy Crossing apartment complex located on the north side of Van Buren Street. Currently, an unsignalized, striped and signed crosswalk with curb ramps is located between the eastbound and westbound bus stops. The existing crossing infrastructure will be removed with the implementation of the HAWK crossing. The precise location of the HAWK will be identified to best facilitate safe pedestrian crossings on Van Buren Street in proximity of the UMOM facility.

ADA Feature(s): The construction of the new HAWK crossing will incorporate ADA compliant curb ramps, sidewalk landings, adequate sidewalk widths and push-buttons with audio feedback for pedestrian activated signal changes.

Project Title: McDowell Rd & 45th Ave HAWK

Bus Routes Affected: 17 East/West



Project Narrative

The city of Phoenix will implement a HAWK crossing on McDowell Road at the 45th Avenue intersection. The McDowell Road & 45th Avenue HAWK crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. The Casa De Primavera Senior Apartment complex is located on the north side of McDowell Road at 45th Avenue. Casa De Primavera is a HUD Section 8/202 complex designed for elderly and mobility-limited individuals living at 30% or less of the area median income. Eastbound and westbound bus stops are located in direct proximity of the future HAWK location. Currently, an unsignalized, striped and signed crosswalk with curb ramps and a center refuge island is located between the eastbound and westbound bus stops. The existing crossing infrastructure will be removed with the implementation of the HAWK crossing. The precise location of the HAWK will be identified to best facilitate safe pedestrian crossings in proximity of the McDowell Road and 45th Avenue intersection.

ADA Feature(s): The construction of the new HAWK crossing will incorporate ADA compliant curb ramps, sidewalk landings, adequate sidewalk widths and push-buttons with audio feedback for pedestrian activated signal changes.

Project Title: 3rd St & Moreland St Rectangular Rapid Flash Beacon (RRFB)

Bus Routes Affected: I-10 East RAPID & 514, 520, 521, 522, 531, 533, 535, 541 and 542 Express Routes



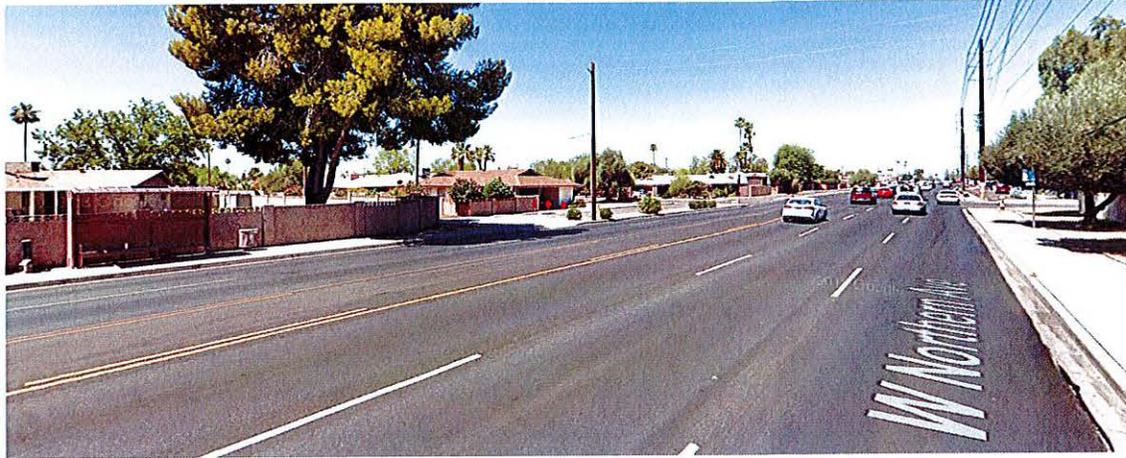
Project Narrative

The city of Phoenix will implement a RRFB crossing on 3rd Street at the Moreland Street intersection. The 3rd Street & Moreland Street RRFB crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. The Phoenix Center for the Arts, Grace Lutheran Church and the eastern portion of Margaret T Hance Park are major destinations directly accessible from Moreland Street. The northbound 3rd Street bus stop is located immediately north of the Moreland Street intersection, whereas the southbound 3rd Street bus stop is located approximately 150 feet south of Moreland Street. Currently, an unsignalized, striped and signed crosswalk with a singular curb ramp at each corner is located directly at the southern leg of the 3rd Street and Moreland Street intersection. The existing crossing infrastructure will be removed with the implementation of the RRFB crossing. The precise location of the RRFB will be identified to best facilitate safe pedestrian crossings in proximity of the 3rd Street and Moreland Street intersection.

ADA Feature(s): ADA compliant curb ramps and sidewalk accessibility will be included with the construction of RRFB crossing infrastructure.

Project Title: 33rd Ave & Northern Ave HAWK

Bus Routes Affected: 80 East/West



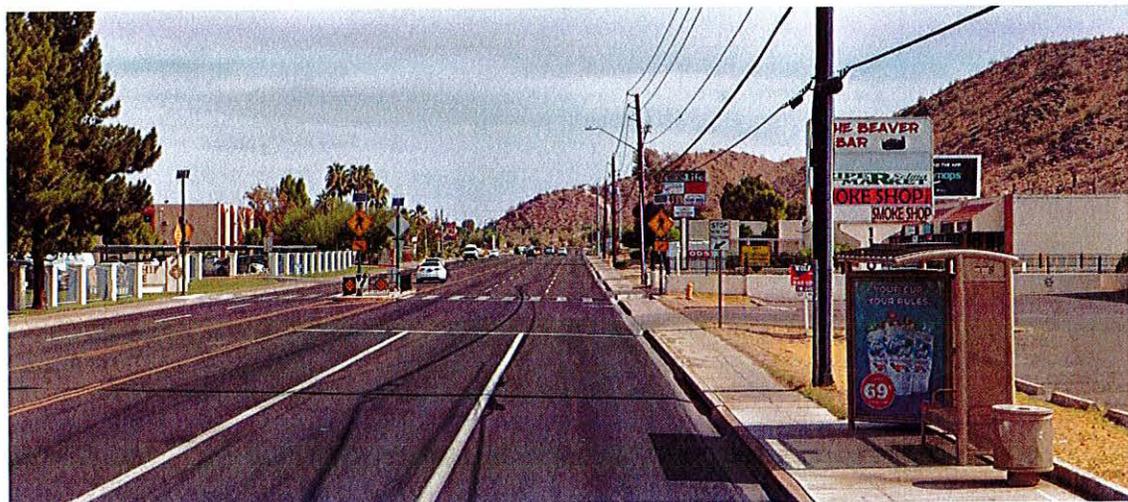
Project Narrative

The city of Phoenix will implement a HAWK crossing on Northern Avenue at the 33rd Avenue intersection. The Northern Avenue & 33rd Avenue HAWK crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. Eastbound and westbound bus stops are located in direct proximity of the future HAWK location. These bus stops are surrounded by significant residential pockets with single-family residential properties to the south of Northern Avenue and a mix of single- and multi-family residential communities located north of Northern Avenue. Currently, there is no crossing infrastructure in place, and the nearest designated crossings are located at the 31st Avenue or 35th Avenue signalized intersections, approximately ¼ mile from either bus stop. The precise location of the HAWK will be identified to best facilitate safe pedestrian crossings in proximity of the Northern Avenue and 33th Avenue intersection.

ADA Feature(s): The construction of the new HAWK crossing will incorporate ADA compliant curb ramps, sidewalk landings, adequate sidewalk widths and push-buttons with audio feedback for pedestrian activated signal changes.

Project Title: 19th Ave & Sunnyside Ave HAWK

Bus Routes Affected: 19 North/South & 122 East/West



Project Narrative

The city of Phoenix will implement a HAWK crossing on 19th Avenue at the Sunnyside Avenue intersection. The 19th Avenue & Sunnyside Avenue HAWK crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. This future HAWK location is directly adjacent to the Christian Care Health Center and Manors, which is a HUD Section 8/202 subsidized independent- and assisting-living senior housing and medical complex specifically designed for elderly and mobility-limited individuals living at 30% or less of the area median income. This expansive complex is located directly west of the northbound bus stop. Furthermore, the Highland Terrace Mobile Home community, Hi View mobile home community and the Kingdom in the Valley Christian Church are located adjacent to the Sunnyside Avenue intersection. Currently, an RRFB crossing with curb ramps and a center refuge island is located immediately north of the northbound bus stops. This RRFB is currently underutilized and creates challenging vehicular turning movements from adjacent commercial points of access. The existing crossing infrastructure will be removed with the implementation of the HAWK crossing. The precise location of the HAWK will be fully assessed and identified to best facilitate safe pedestrian crossings in proximity of the 19th Avenue and Sunnyside Avenue intersection.

ADA Feature(s): The construction of the new HAWK crossing will incorporate ADA compliant curb ramps, sidewalk landings, adequate sidewalk widths and push-buttons with audio feedback for pedestrian activated signal changes.

Project Title: Hatcher Rd & 10th Ave RRFB

Bus Routes Affected: 106 East/West



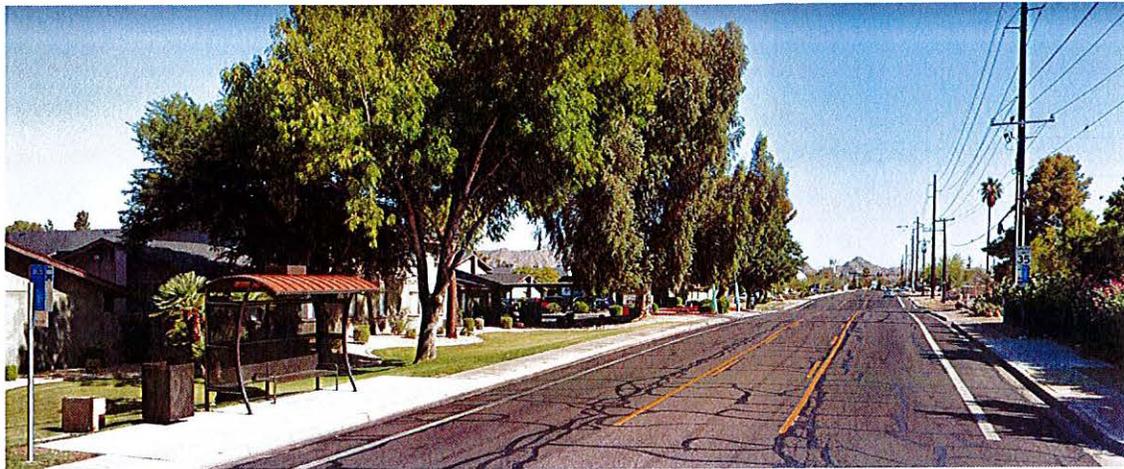
Project Narrative

The city of Phoenix will implement a RRFB crossing on Hatcher Road at the 10th Avenue intersection. The Hatcher Road & 10th Avenue crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. This future RRFB location is adjacent to the City of Phoenix Sunnyslope Family Service Center, Society of St. Vincent de Paul Sunnyslope Dining Room, as well as the nearby VALLEYLIFE Organization. These facilities provide supportive services to families and seniors, economically disadvantaged and homeless populations and individuals with physical, developmental and cognitive disabilities respectively. Currently, an unsignalized, striped and signed crosswalk with curb ramps is located between the eastbound and westbound bus stops at the 10th Avenue intersection. The existing crossing infrastructure will be removed with the implementation of the RRFB crossing. The precise location of the RRFB will be identified to best facilitate safe pedestrian crossings in proximity of the Hatcher Road and 10th Avenue intersection.

ADA Feature(s): ADA compliant curb ramps and sidewalk accessibility will be included with the construction of RRFB crossing infrastructure.

Project Title: 12th St & Belmont Ave RRFB

Bus Routes Affected: 12 North/South



Project Narrative

The city of Phoenix will implement a RRFB crossing on 12th Street at the Belmont Avenue intersection. The 12th Street & Belmont Avenue RRFB crossing location was identified as a top priority by city of Phoenix Street Transportation Department's Traffic Services Division's 2018 *Signalized Crossing Warrant* process. Northbound and southbound bus stops are located in direct proximity of the future RRFB location. These bus stops are surrounded by significant residential pockets with single-family residential properties to the east of 12th Street and a multiple multi-family residential communities located to the west of 12th Street. Currently, there is no crossing infrastructure in place, and the nearest designated crossings are located at the Northern Avenue or Glendale Avenue signalized intersections approximately 3/10th and 3/4th mile from either bus stop respectively. The precise location of the RRFB will be identified to best facilitate safe pedestrian crossings in proximity of the 12th St and Belmont Avenue intersection.

ADA Feature(s): ADA compliant curb ramps and sidewalk accessibility will be included with the construction of RRFB crossing infrastructure.

Attachment 2

Project ID	Route	Census Tracts Selected
Phx.1	Camelback Rd & 19 th Ave	1.1089.02, 2.1073, 1.1090.02 & 4.1074
Phx.2	32 nd St & Van Buren St	2.1138.01, 1.1135.02, 1.1138.01, & 1.1136.02
Phx.3	45 th Ave & McDowell Rd	1.1123.01 & 1.1125.07
Phx.4	3 rd St & Moreland St	2.1130
Phx.5	33 rd Ave & Northern Ave	3.1056.02, 1.1056.02 & 1.1059
Phx.6	19 th Ave & Sunnyside Ave	1.1036.15, 2.1036.15, 1.1044.01 & 3.1044.01
Phx.7	Hatcher Rd & 10 th Ave	1.1045.01 & 3.1045.01
Phx.8	12 th St & Belmont Ave	1.1063 & 3.1063