



Transportation Alternatives / CMAQ Application for
FY 2018, 2019, and 2020 Projects

SR101L, BETHANY HOME RD TO MARYLAND AVE PATHWAY IMPROVEMENTS

CITY OF GLENDALE

**APPLICATIONS ARE DUE AT MAG OFFICES BY
Monday, September 21, 2015 at 10:00 a.m.**

(LATE AND/OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED)

Glendale: SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements**PART A - CONTACT AND PROJECT DESCRIPTION****Contact Information**

1. Name of Sponsoring Agency	Glendale
2. Agency Contact Name	Debbie Albert, P.E.
3. Phone Number of Agency Contact	623-930-2939
4. E-Mail Address of Agency Contact	dalbert@glendaleaz.com
5. Mailing Address of Agency Contact	City of Glendale - Transportation Services 6210 West Myrtle, Suite 112 Glendale, Arizona 85031

Project Description

6. Please provide the Project Title.	SR101L, Bethany Home Rd to Maryland Ave Pathway
7. Please provide a concise, specific description of the project (250 character limit):	This project will include a multiuse pathway to extend the Grand Canal Linear Park multiuse path, widen existing sidewalk, and restripe Maryland Avenue to add bike lanes.
8. Please provide the project limits:	SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

This part of the form identifies the current characteristics and proposed improvements for each project.

The purpose of Part B is to provide sufficient information to evaluate the cost estimate for the project and to provide assurance that the project will be capable of meeting the ADOT administered federal design review and clearance process. This process requires environmental, ROW and utilities clearances and a bid ready design prior to FHWA approval to encumber federal funding for construction.

NOTE: For Part B, Questions 14-20, the specified distance will vary (and update automatically) depending on the project type identified in Part B, Question 1. Pedestrian-only projects will use a distance of 1/4 mile, while bicycle and Shared-Use projects will use a distance of 1/2 mile.

1. Please select which funding source(s) this project is applying for. Check all that apply.

- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives (TA)

2. What type of project is this? (Check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Bicycle Lane (4' min. w/o curb/gutter) | <input type="checkbox"/> Shoulder paving is within 4-miles of a PM-10 Monitor |
| <input checked="" type="checkbox"/> Bicycle Lane (5' min. with curb/gutter) | <input type="checkbox"/> Wide Sidewalk (8' min.) |
| <input type="checkbox"/> Buffered Bike Lane | <input type="checkbox"/> Detached Sidewalk with 4' min. buffer |
| <input type="checkbox"/> Protected Bike Lane | <input type="checkbox"/> Signalized Crossing |
| <input checked="" type="checkbox"/> Shared-use path (10' min.) | Other: |
| <input type="checkbox"/> Sidewalk (5' min.) | <input style="width: 400px; height: 20px;" type="text"/> |
| <input type="checkbox"/> Planning Study | |

3. What other major elements are included in this project? (Check all that apply)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Bridge (overpass) | Other: |
| <input type="checkbox"/> Tunnel (underpass) | <input style="width: 400px; height: 20px; border: 1px solid black;" type="text" value="N/A"/> |
| <input type="checkbox"/> Signalized midblock crossing/HAWK | |
| <input type="checkbox"/> Countdown Pedestrian Signal | |

4. What amenities are included in this project?

- | | |
|---|---|
| <input type="checkbox"/> Number of Bike racks/lockers | <input type="checkbox"/> Number of Seating/Rest Area(s) |
| <input type="checkbox"/> Number of Drinking Fountains | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> 6 Number of Way-finding Signs | <input type="checkbox"/> Number of bicycle/pedestrian counting devices |
| <input type="checkbox"/> Number of Trash receptacles | Other: |
| <input type="checkbox"/> Number of Trees | <input style="width: 400px; height: 20px; border: 1px solid black;" type="text" value="N/A"/> |
| <input type="checkbox"/> Number of new openings in street walls | |
| <input type="checkbox"/> Number of Shade Structures | |

5. Please describe the existing condition of the project site and any problem(s) being addressed.

Maryland Avenue is a heavily travelled street that connects the SR101L to the University of Phoenix Stadium, Gila River Arena, Westgate Entertainment District, Tanger Outlet, and other businesses. This project will restripe Maryland Ave to add bikes lanes in both directions from 91st Avenue to 99th Avenue. The existing sidewalk on the north side of Maryland Ave is only 5' wide, so this project will widen the sidewalk to make it a multiuse path, as well as add a new multiuse path along the west side of the stadium parking lot to connect the Grand Canal Trail along Bethany Home Road to the multiuse path along Maryland Ave.

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

6. Please describe the work being done and improvements being made as part of this project.

This project will restripe Maryland Avenue to add bike lanes, install a new multiuse path, and widen the existing sidewalk. This project will also extend the Maryland Avenue bicycle system one mile west.

7. What do you hope to achieve with this project?

This project will address the lack of bicycle access to a major regional destination. It will accommodate bicyclists within Maryland Avenue roadway, provide a new multiuse path for pedestrians and bicyclists, and widen the existing sidewalks that experience heavy pedestrian traffic.

8. Safety improvements to be included for this project: (Check all that apply)

- Medians with pedestrian crossing islands
- Roadway Reconfiguration (Road Diet)
- Striping/re-striping to narrow vehicle lanes
- Color pavement or similar treatment
- Lighting
- Landscape buffer between sidewalk and roadway
- Rectangular Rapid Flash Beacon (RRFB)
- Driver Feedback Sign

Other

9. Does this project include a road safety education component?

- Yes
- No

Please Explain:

Glendale promotes road safety education on our City website, including information such as Travel Green, GAIN Night to promote pedestrian and bicycle safety, Glendale Family Bike Ride, and other transportation education links.

10. How does this project or planning study address safety?

This project will narrow existing travel lanes, which will reduce vehicle speeds and severity of accidents. Widening the sidewalk will help accommodate the large pedestrian volumes and provide a safer pedestrian facility. Adding the multiuse path will provide a facility for pedestrians to keep them from traveling through the stadium parking lot.

11. How does the project improve ADA facilities for persons with disabilities?

The project will included new sidewalk and ADA sidewalk ramps with domes to allow persons with disabilities to safely travel through the project limits. Existing sidewalk ramps that do not meet current ADA requirements will be replaced.

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

12. Describe how this project will improve access from nearby neighborhoods and/or adjacent uses:

This project will connect the residences in the southwestern part of Glendale to the UOP stadium, Gila River Arena, Westgate Entertainment District, Tanger Outlets, and other surrounding businesses by extending the Grand Canal Linear Park multiuse pathway and New River Trail to Maryland Avenue. It provides continuation and connectivity to a regional trail system.

13. How does the project create a sense of place?

This project will extend the Grand Canal Linear Park multiuse pathway to Maryland Avenue, providing connectivity to a major entertainment and business district in Glendale.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Project connects to other local bikeways

List of connected bikeways:

Pathway connects directly to Grand Canal Pathway (SR101L to 75th Avenue), New River Trail

Multi Jurisdictional Project (please include letter of support (See Part C)

List of Participating Jurisdictions:

16 Total length of bikeways directly connected by this project (in miles)

15. Number of transit stops this project will connect to. Do NOT count major transit facilities (park and rides, transit centers, etc.) in this question. List associated route(s) and their peak frequency, using Valley Metro as the source.

5 Within 1/2 mile

16. Number of transit routes serviced by the transit stops in question 15 that this project will connect to. List associated route(s) and their peak frequency, using Valley Metro as the source.

1 Within 1/2 mile

List routes and frequency:

Route 70 (Glendale Ave/24th St) - 15 minutes

17. Number of major transit facilities (park and rides, transit centers, etc.) served by this project:

0 Within 1/2 mile

List:

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

18. Number of non-commercial activity centers (parks, libraries, senior centers, recreational centers, etc.) this project will benefit:

Within 1/2 mile

List:

Grand Canal Linear Park, The Great Lawn

19. Number of commercial and employment destinations (malls, retail centers, business parks, etc.) this project will benefit (for example, a mall is ONE destination; do NOT count every store in a mall as a separate destination):

Within 1/2 mile

List:

Westgate Entertainment District, University of Phoenix Stadium, Gila River Arena, Renaissance Glendale, Tanger Outlet, American Warehouse Furniture

20. Number of K-8 public schools this project will benefit:

Within 1/2 mile

List:

21. Number of other schools (charter schools, high schools, colleges, and universities) this project will benefit:

Within 1/2 mile

List:

DeVry University Glendale Center

22. Number of activity centers for air quality cost effectiveness (i.e. bank, church, hospital, health care facility, light rail station, park-and-ride lot, office park, post office, public library, shopping area, grocery store, university or junior college):

Within 1/4 miles

List:

Westgate Entertainment District, University of Phoenix Stadium, Gila River Arena, Renaissance Glendale, Tanger Outlet, West Valley Church of Nazarene, DeVry University Glendale Center

1/4 miles to 1/2 miles

List:

Cabela's Retail Store, American Warehouse Furniture, Glendale Park and Ride (99th Ave and Glendale)

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

23. What are the demographics of the area served:

[MAG Demographic Mapping](#)

People Per Square Mile

% Families in Poverty

Use the MPO/COG Demographic Mapping link above. Zoom in to your project area. On the right-hand side of the screen, under "Reporting," select "Custom Summary." Next, select "Corridor of Interest." Left-click to begin drawing. Draw a line through all census block groups adjacent to your project, left-clicking where needed to change the direction of the line. Double-click to finish drawing the line. The selected census block groups will become highlighted in blue. A pop-up box will appear with "Results for Selected Block Groups." Select the "Summary Report" tab, and use the data found there. You may export the results to Excel (click the printer icon at the top-right side of the pop-up window) for your records.

24. Please provide the following information on the facility on which the improvement will be located.

For a linear project, please enter the Facility Name, Starting Limit and Ending Limit:

SR101L, Bethany Home Rd to Maryland Ave
Maryland Ave, 91st Ave to 99th Ave

For a point project (e.g. an intersection or crossing), please enter a Facility Name and a Crossing Feature:

Federal Functional Classification of the Facility:

[Link to MAG webpage for Federal Functional Classification Map](#)

Type of Facility the Improvement will be located on:

Length (in Miles)

Posted Speed Limit (MPH)

Number of Travel Lanes Before Project

Number of Travel Lanes After Project

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

25. Please provide an estimated traffic volume (ADT) on the nearest parallel arterial.

ADT Estimate

Date Counted

Name of road the traffic count was taken from

Description of Methodology and Source used for the ADT Estimate

26. Federal law requires that all federally funded projects comply with a federal environmental clearance. For projects that have a minimum ground disturbance, environmental surveys are required and an environmental document will need to be prepared, which typically requires 12 months to complete.

Describe any known cultural, historical and biological resources, hazardous materials or other environmental issues that could affect work on the segment.

27. Current ROW: (Check all that apply)

Agency owns all ROW Needed
 ROW to be acquired
 Owners will donate ROW

Agency owns easement
 Agency has right-of-use (i.e. canal)
 Condemnation may be required

28. Please describe any right of way issues associated with the project.

29. Please indicate whether all parcels for this project have been inventoried.

Yes

No

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

30. Current Utilities in or abutting the alignment: (Check all that apply)

<input type="checkbox"/>	No Utility in or abutting the alignment	<input checked="" type="checkbox"/>	Private Structures
<input checked="" type="checkbox"/>	Canals & Drainage	Other: The pathway will utilize the existing SRP bridge over the Grand Canal	
<input checked="" type="checkbox"/>	Power Lines & Cables		
<input checked="" type="checkbox"/>	Pipelines, Sewer and Water		

31. Please describe any utility conflicts that will need to be addressed.

The only anticipated utility conflicts will be minor valve box and manhole adjustments to grade. No overhead power pole or fire hydrant relocations are anticipated.

32. Guidelines used to develop project: (Check all that apply)

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other: AASHTO Green Book
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	
<input type="checkbox"/>	MAG Complete Streets Guide	
<input type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input type="checkbox"/>	MAG Valley Path Brand & Wayfinding Signage Guidelines	
<input type="checkbox"/>	NACTO Urban Bikeway Design Guide	
<input type="checkbox"/>	RPTA Bus Stop Program and Standards	

33. Jurisdiction has the following policies for improved bicycle/shared use facilities:

With new development and capital improvement projects, bike lanes on arterial streets are:	Required
With new development and capital improvement projects, bike lanes on collector streets are:	Required
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	Recommended
With new development or during development retrofits, shared-use paths are:	Recommended
Bicycle program implemented, including bike education, safety events, and bike maps	Yes
Complete Streets Policy	No

34. The project is: (Check one)

Identified in General Plan, council adopted policy, or Capital Improvements Program (provide source)
List:

Consistent with general policy/practices, but not formally identified (provide source)
Explain:
The project is not currently listed in the City's CIP, but will be added if funding is secured.

Not addressed by jurisdiction's plans, policies, or practices
Explain:

Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART B-DETAILED PROJECT DESCRIPTION

35. How will the applicant measure the success of this project?

The project will be considered a success if the roadway can be improved to meet the City's requirements for a Major Collector typical section by adding bike lanes. The project will improve bicycle and pedestrian connectivity to existing trails/pathways by installing a new multiuse pathway and widening the existing sidewalk.

36. Will bicycle/pedestrian count technology be incorporated? Will the devices broadcast automatic updates or require manual data collection? If manual, how will the agency identify staff resources to dedicate to collecting the data?

No

37. Will the project include an education/marketing component upon completion of construction, to publicize the project and increase citizen awareness of the project impact and benefits? If yes, please describe below.

Yes, the City will include the scope, location and benefits of the project on our website, as well as public involvement during construction to keep the citizens informed.

38. Will the project include wayfinding signage elements? If yes, please describe below.

Yes, wayfinding signage will be provided at the beginning and end of this new pathway to provide direction to the Grand Canal pathway, New River Trail, stadiums and Westgate Entertainment District.

Glendale: SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

Please provide a detailed cost estimate for this project. The data entered in this cost estimate sheet will automatically transfer into the correct fields in Part E. Rows 1-9 will remain visible at the top of this page at all times.

Sponsoring Agency:	City of Glendale	Project Title:	Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements	Application Date:	9/21/2015
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
A. Scoping (15% Preliminary Engineering Design)	1. SITE TOPOGRAPHIC SURVEY	LS	1	\$10,000.00	\$10,000.00	No	\$0.00	\$10,000.00		
	2. PROJECT ASSESSMENT REPORT or DETAILED WORKPLAN	LS	1	\$4,000.00	\$4,000.00	No	\$0.00	\$4,000.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$6,000.00	\$6,000.00	No	\$0.00	\$6,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00		
	Subtotal Scoping (Part A)						\$0.00	\$22,000.00		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$75,000.00	\$75,000.00	No	\$0.00	\$75,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$4,000.00	\$4,000.00	No	\$0.00	\$4,000.00		
	3. DRAINAGE REPORT	LS	1	\$4,000.00	\$4,000.00	No	\$0.00	\$4,000.00		
	4. SWPPP	LS	1	\$2,000.00	\$2,000.00	No	\$0.00	\$2,000.00		
	Subtotal PE (Part B)						\$0.00	\$85,000.00		
Subtotal Preliminary Engineering (Part A + Part B)							\$0.00	\$107,000.00		
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1	\$1,000.00	\$1,000.00	No	\$0.00	\$1,000.00		
Subtotal Right-of-Way Acquisition (Part C)							\$0.00	\$1,000.00		
D. Utility Relocation	1. Utility Relocation	LS	1	\$1,000.00	\$1,000.00	No	\$0.00	\$1,000.00		
Subtotal Utility Relocation (Part D)							\$0.00	\$1,000.00		
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	1	\$4,000.00	\$4,000.00	Yes	\$3,772.00	\$228.00
		Site Preparation		LS	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00
		Demolition	Sawcut	LF	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Structures and Obstructions	LS	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Fencing	LF	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	CY	10	\$100.00	\$1,000.00	Yes	\$943.00	\$57.00
			Remove Asphaltic Concrete Pavement	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Remove Concrete Sidewalks, Slabs	CY	0		\$0.00	Yes	\$0.00	\$0.00
		Hazmat Abatement		LS	0		\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	0		\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	CY	1,000	\$10.00	\$10,000.00	Yes	\$9,430.00	\$570.00
			Drainage Excavation	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Structural Excavation	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Structural Backfill	CY	0		\$0.00	Yes	\$0.00	\$0.00
			Borrow (In Place)	CY	0		\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	0		\$0.00	Yes	\$0.00	\$0.00
		Aggregate Base		CY	0		\$0.00	Yes	\$0.00	\$0.00
		Pathway Or Sidewalk Materials	Concrete	SF	45,000	\$10.00	\$450,000.00	Yes	\$424,350.00	\$25,650.00
			Colored Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	0		\$0.00	Yes	\$0.00	\$0.00
			Polymer or Resin Stabilized Surface	SF	0		\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
			Integral Color Concrete	SF	0		\$0.00	Yes	\$0.00	\$0.00
		Pedestrian ADA Ramp		SF	1,800	\$20.00	\$36,000.00	Yes	\$33,948.00	\$2,052.00
		Culvert Extensions		LF	0		\$0.00	Yes	\$0.00	\$0.00
Pedestrian Lighting Including Conduit And Trenching		Each	0		\$0.00	Yes	\$0.00	\$0.00		
Handrail	Standard	LF	0		\$0.00	Yes	\$0.00	\$0.00		
	Decorative	LF	0		\$0.00	Yes	\$0.00	\$0.00		
Subtotal Hardscape Construction							\$511,000.00	\$481,873.00	\$29,127.00	

PART D - TRANSPORTATION ALTERNATIVES COST ESTIMATE FORM

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Sponsoring Agency:	City of Glendale	Project Title:	Glendale : SR101L, Bethany Home Rd to Maryland Ave Pathway Improvements	Application Date:	9/21/2015
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Part	Item Description	Unit	Quan.	Unit Price	Total	Federally Eligible	Federal Funds (94.3%)	Local Funds (5.7%)	Note(s)	
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	2. Landscaping & Irrigation Items	Requirements	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Trees (15 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Trees (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Shrubs (1 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Cactus (5 Gallon Size)	Each	0		\$0.00	Yes	\$0.00	\$0.00	
		Mulch	Decomposed Granite	CY	0		\$0	Yes	\$0	\$0
			Organic	CY	0		\$0	Yes	\$0	\$0
		Topsoil		CY	0		\$0	Yes	\$0	\$0
		Seeding		Acre	0		\$0	Yes	\$0	\$0
		Turf Sod		SY	0		\$0	Yes	\$0	\$0
		Boulders		Each	0		\$0	Yes	\$0	\$0
		Irrigation System	Drip	SF	0		\$0	Yes	\$0	\$0
			Turf	SF	0		\$0	Yes	\$0	\$0
		Sleeving For Irrigation System	Directional Bore	LF	0		\$0	Yes	\$0	\$0
	Cut and Patch		LF	0		\$0	Yes	\$0	\$0	
	Landscape Header Curb		LF	0		\$0	Yes	\$0	\$0	
	Landscape Establishment		LS	0		\$0	Yes	\$0	\$0	
	Subtotal Landscaping & Irrigation Items					\$0		\$0	\$0	
	3. Site Furnishings	Benches	Each	0		\$0	Yes	\$0	\$0	
		Seatwalls	LF	0		\$0	Yes	\$0	\$0	
		Bike Racks	Each	0		\$0	Yes	\$0	\$0	
		Trash Receptacles	Each	0		\$0	Yes	\$0	\$0	
		Drinking Fountains	Each	0		\$0	Yes	\$0	\$0	
		Signage (Standard Traffic Control)	Each	0		\$0	Yes	\$0	\$0	
		Signage (Wayfinding)	Each	6	\$800	\$4,800	Yes	\$4,526	\$274	
		Tree Grates	Each	0		\$0	Yes	\$0	\$0	
	Subtotal Site Furnishings					\$4,800		\$4,526	\$274	
	4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)	Bicycle and Pedestrian Counter	Each	0		\$0	Yes	\$0	\$0	
		Striping Obliteration	LS	1	\$15,000	\$15,000	Yes	\$14,145	\$855	
		Thermoplastic Striping	LF	40,000	\$0.50	\$20,000	Yes	\$18,860	\$1,140	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
				0		\$0	Yes	\$0	\$0	
	Subtotal Other Construction					\$35,000		\$33,005	\$1,995	
	5. Mobilization And Administration Costs	Contractor Mobilization	LS	1	76,800	\$76,800	No	\$0	\$76,800	
		Traffic Control	LS	1	61,400	\$61,400	Yes	\$57,900	\$3,500	
		Construction Survey & Layout	LS	1	10,200	\$10,200	Yes	\$9,619	\$581	
		Construction Contingencies	LS	1	102,400	\$102,400	Yes	\$96,563	\$5,837	
		Construction Administration	LS	1	51,200	\$51,200	Yes	\$48,282	\$2,918	
	Subtotal Mobilization & Administration Costs					\$302,000		\$212,364	\$89,636	
	Subtotal Construction Or Implementation Cost (Part E)					\$852,800		\$731,768	\$121,032	
	F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)							\$961,800	\$731,768	\$230,032
G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000							\$30,000	No	\$0	
H. Total Project Cost Including ADOT Fees (Part F + Part G)							\$991,800	\$731,768	\$260,032	

PART E - TOTAL PROJECT SCHEDULE AND BUDGET

Please verify that the cost and programming estimates for the total project are correct below. The numeric values on this sheet (in GREY) are automatically populated from the cost estimate sheet (Part D) and cannot be modified. If there are any errors in the numeric values on this sheet, please verify and correct the numbers you have entered into the cost estimate sheet (Part D). You MUST fill in the GREEN portions of Part E manually.

The design for the project should be programmed at least 1 year, preferably 2 years, prior to construction. Utilities and right of way should be programmed at least 1 year prior to construction, but may occur in the same year as construction depending on utility and right of way concerns that are identified in questions 24-27 in Part B.

Cost Estimate for the Project Including ALL Segments	Cost	Additional Notes (if needed)
1. ADOT Fee	\$30,000	
2. Design	\$107,000	
3. Right of way	\$1,000	Easement from ADOT
4. Utilities	\$1,000	Minor Utility Adjustments
5. Construction	\$750,400	
6. Contingency	\$102,400	20% of Construction Cost
7. Total Cost	\$991,800	

8. Will the agency maintain the improvement after it is completed?

9. Expected Annual Maintenance Cost

10. Identify Source of Maintenance Funds

Requested MAG Programming	Year	Short Work Description (E.g. Construct Multiuse Path)	Local Funding Source	Local Cost	Federal Cost	Total Cost	Local Share
11. Design (Optional)	2018	Design Multiuse Pathway and Restripe Maryland Ave	Sales Tax	\$107,000	Not Available	\$107,000	100.0%
12. Right of way (Optional)	2018	Easement from ADOT	Sales Tax	\$1,000	Not Available	\$1,000	100.0%
13. Utilities (Optional)	2019	Minor Utility Adjustments	Sales Tax	\$1,000	Not Available	\$1,000	100.0%
14. Other (Optional)	2018	ADOT Fee	Sales Tax	\$30,000	Not Available	\$30,000	100.0%
15. Construction	2019	Construct Multiuse Pathway and Restripe Maryland Ave	Sales Tax	\$121,032	\$731,768	\$852,800	14.2%
16. Total Costs				\$260,032	\$731,768	\$991,800	26.2%

PART F - SIGNATURE AND CHECKLIST**Checklist**

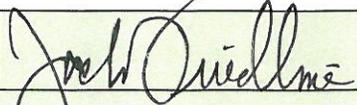
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

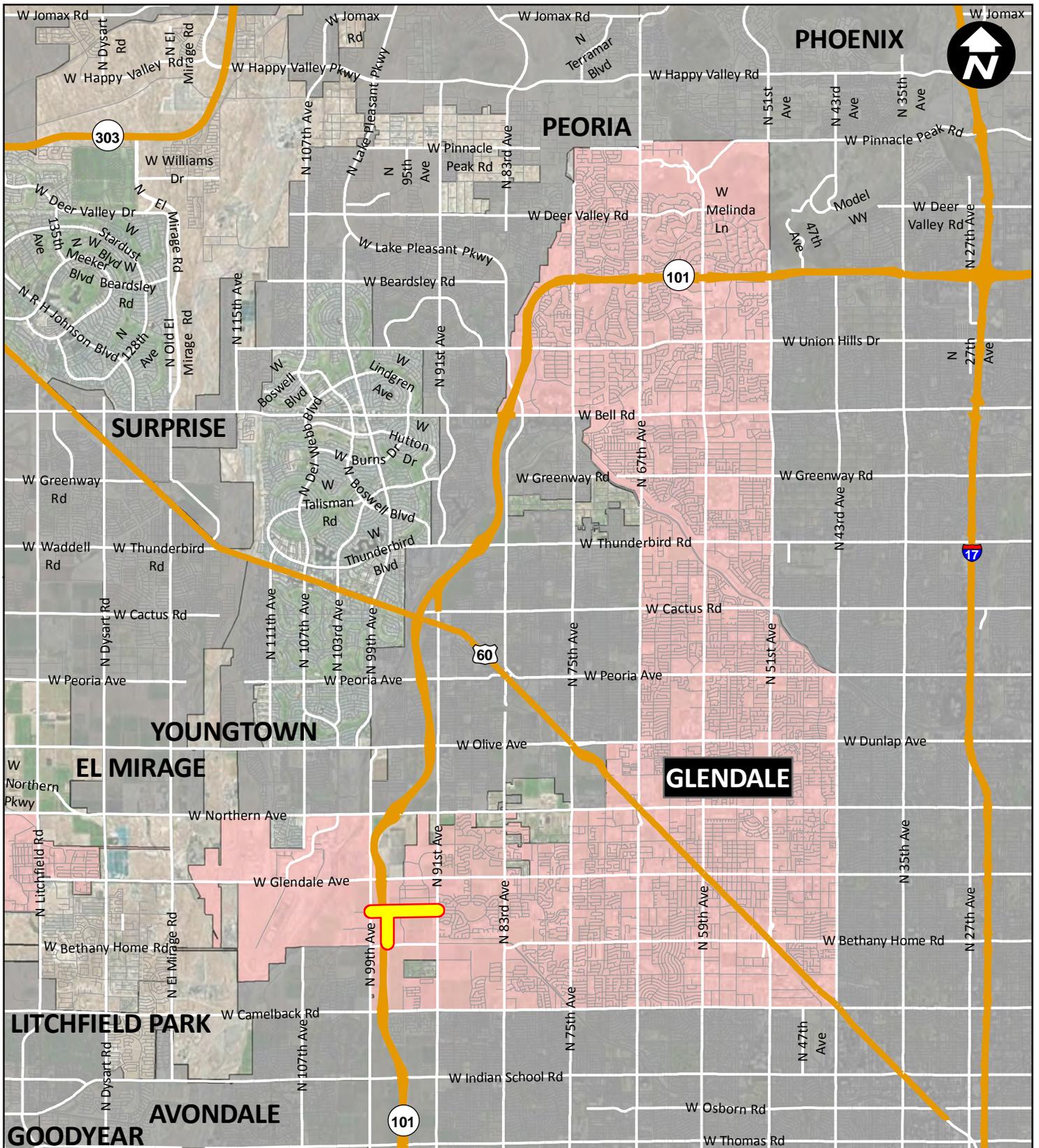
COVER SHEET	Complete?
Cover Sheet is completely filled out	Yes
PART A - Contacts and Project Description Fields	Complete?
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
PART B - Project Description	Complete?
Fields 1 - 14 (Project Description) are complete	Yes
Fields 15 - 17 (Transit) are complete	Yes
Fields 18 – 22 (Attractors and Demographics) are complete	Yes
Fields 23 – 30 (Traffic, Environmental, ROW, and Utilities) are complete	Yes
Fields 31 – 33 (Guidelines, Policies, and Plans) are complete	Yes
Fields 34 – 37 (Maintenance, Performance Measurement, and Wayfinding) are complete	Yes
PART C - Required Attachments	Complete?
Field 1 - Map showing the general location of the proposed project in relation to the region, including a north arrow provided in the printed application and the PDF application.	Yes
Field 2 - Map with streets labeled showing the detailed location(s) of the proposed project, including a north arrow provided in the printed application and the PDF application.	Yes
Field 3 - Up to four (4) photos of existing conditions are provided in the printed application and the PDF application (two 4x6 per page).	Yes
Field 4 - Simple diagram of the current typical cross section of the segment, that shows the right of way limits, widths, sidewalks and shoulders (if any), and the lanes of travel in the printed application and the PDF application.	Yes
(OPTIONAL)- Up to two (2) photos/renderings of the completed project are provided in the printed application and the PDF application.	Yes
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	Yes
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	Yes
PART D - Cost Estimate Worksheet	Complete?
Sponsoring Agency, Project Title, and Application Date are complete	Yes
Part A - Scoping is complete	Yes
Part B - Final Preliminary Engineering Design is complete	Yes
Part C - Right-of-Way Acquisition is complete	Yes
Part D - Utility Relocation is complete	Yes
Part E - Construction or Implementation is complete	Yes
Parts F, G, and H - Costs are complete and accurate	Yes
PART E - Total Project Schedule and Budget Including All Segment Fields	Complete?
Fields 1 – 7 are complete and costs are accurate	Yes
Field 8 - 10 are complete	Yes
Fields 11 – 15 Years are complete	Yes
Fields 11 – 15 Local Funding Sources are complete	Yes
Fields 11 – 15 Local Costs are complete and accurate	Yes

Field 11 - 15 Federal Costs are complete and accurate	Yes
Field 16 Total Costs are complete and accurate	Yes
PART F - Signature and Checklist	Complete?
Entire checklist is completed.	Yes
Form is signed by MAG member agency's manager/administrator or designated representative.	Yes
Name, title and date fields under the signature are completed.	Yes

SIGNATURE(S):

As the MAG member agency's *manager/administrator or designated representative*, I certify that this application is accurate and complete and that the project will be included in the sponsoring MAG member agency's local CIP/TIP if the project is selected for federal funding.

Signature:	
Name:	Jack Friedline
Title:	Director of Public Works
Date:	09-17-2015



	PROJECT NAME		EXHIBIT TITLE	
	SR101, Bethany Home Rd to Maryland Ave Sidewalk Improvements		Vicinity Map	
	DATE	PROJECT NO	LEGEND	
	9/21/2015	N/A	 Project Area	
SCALE	PAGE NO	TOTAL PAGES		
1 inch = 2 miles	1	1		

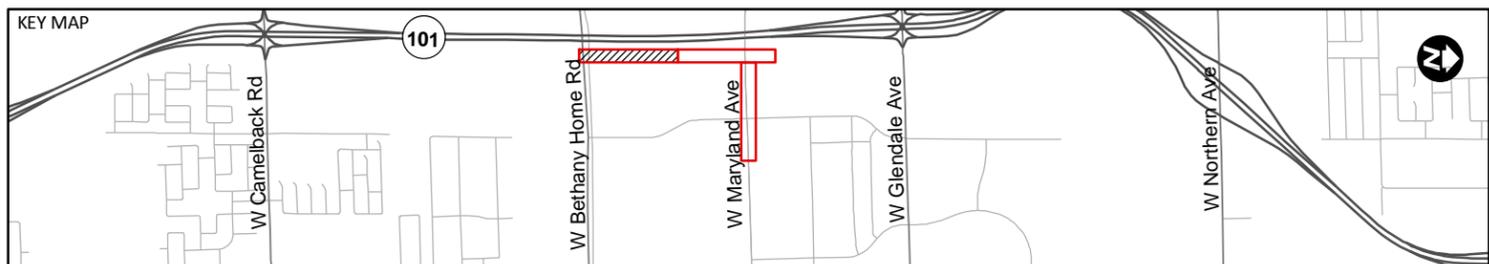


MATCH BELOW LEFT



MATCH ABOVE RIGHT

MATCH PG 2 OF 4 TOP LEFT



	PROJECT NAME		EXHIBIT TITLE	
	SR101, Bethany Home Rd to Maryland Ave Sidewalk Improvements		Plan View	
	DATE	PROJECT NO	EXHIBIT TITLE	
	9/21/2015	N/A	Project Area	
SCALE	PAGE NO	TOTAL PAGES		
1-Inch = 50-Feet	1	4		

MATCH PG 1 OF 2 BOTTOM RIGHT

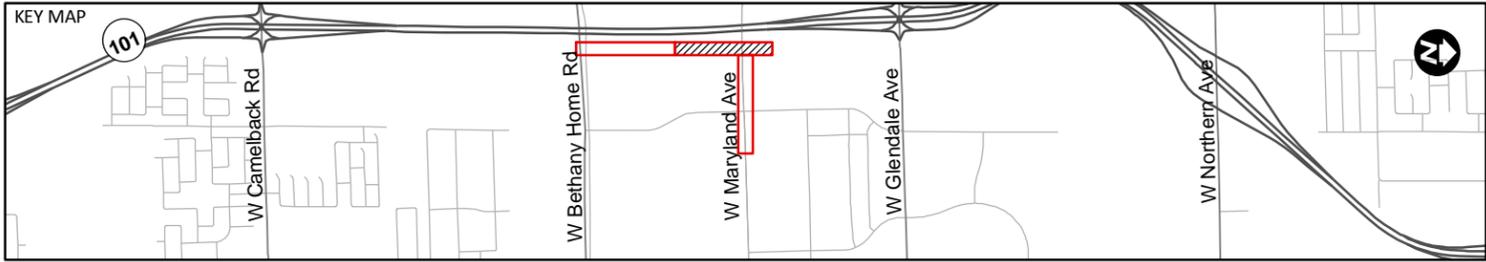


MATCH BELOW LEFT

MATCH ABOVE RIGHT



MATCH PG 3 OF 4 TOP LEFT



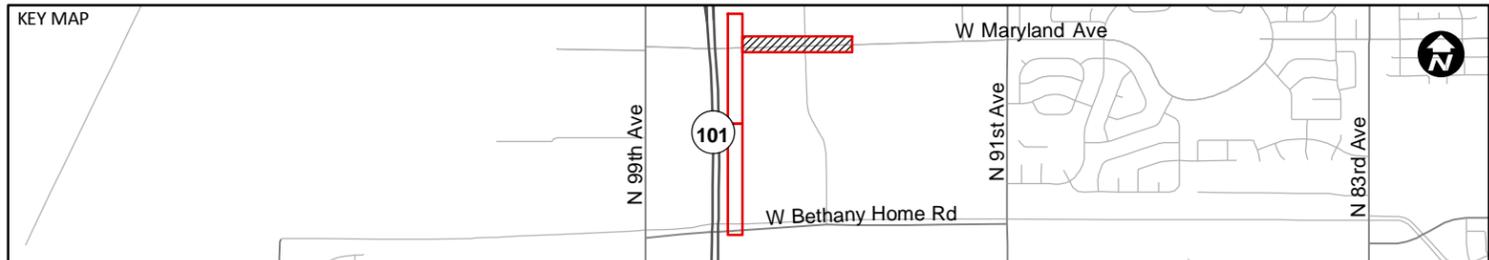
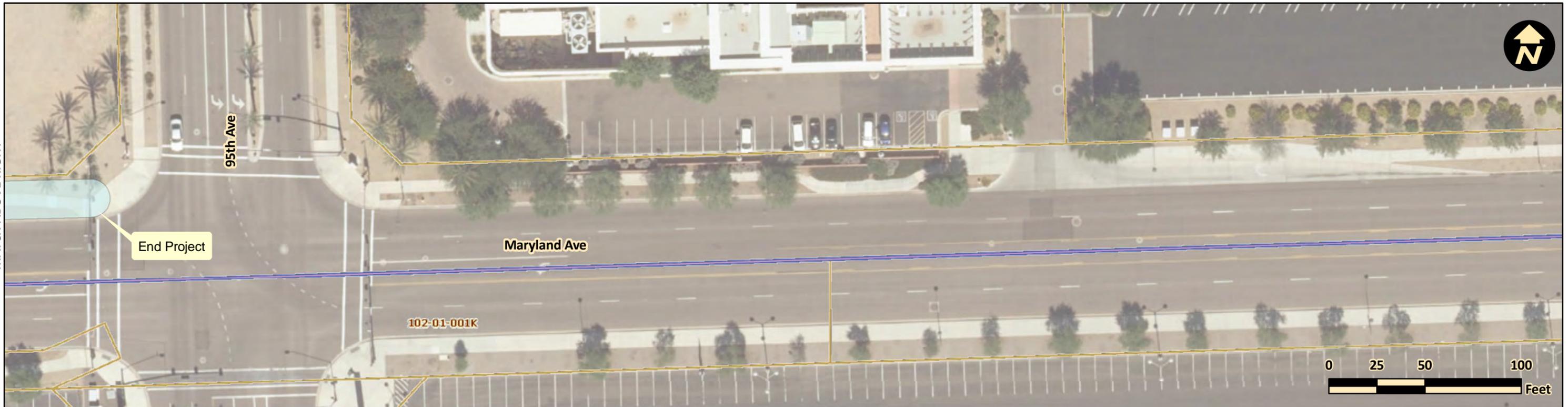
	PROJECT NAME		EXHIBIT TITLE
	SR 101, Bethany Home Rd to Maryland Ave Sidewalk Improvements		Plan View
	DATE	PROJECT NO	LEGEND
	9/21/2015	N/A	
SCALE	PAGE NO	TOTAL PAGES	 Project Area
1-Inch = 50-Feet	2	4	

MATCH PG 2 OF 4 BOTTOM



MATCH BELOW LEFT

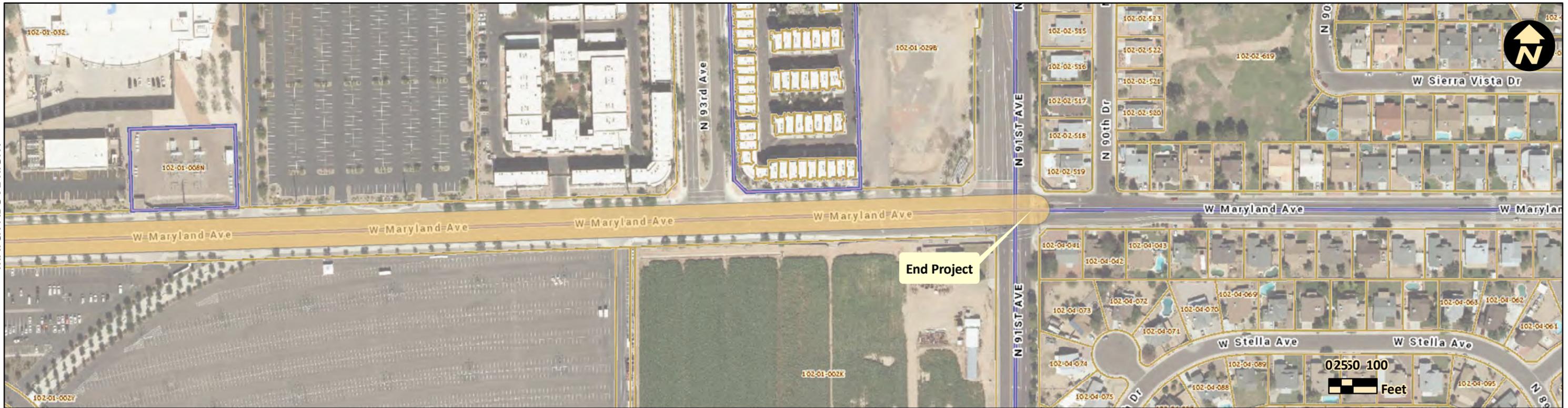
MATCH ABOVE RIGHT



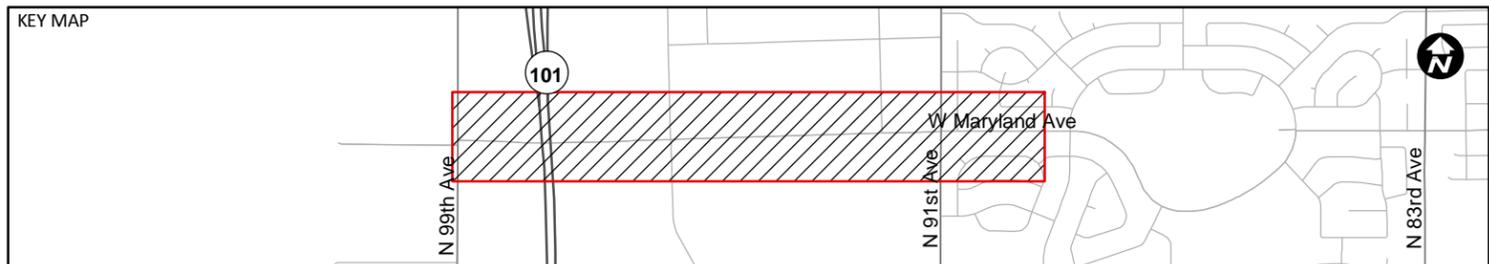
	PROJECT NAME		EXHIBIT TITLE	
	SR101, Bethany Home Rd to Maryland Ave Sidewalk Improvements		Plan View	
	DATE	PROJECT NO	EXHIBIT TITLE	
	9/21/2015	N/A	Project Area	
SCALE	PAGE NO	TOTAL PAGES		
1-Inch = 50-Feet	3	4		



MATCH BELOW LEFT



MATCH ABOVE RIGHT



	PROJECT NAME SR101, Bethany Home Rd to Maryland Ave Striping Improvements		EXHIBIT TITLE Plan View	
	DATE 9/21/2015	PROJECT NO N/A		EXHIBIT TITLE Project Area
	SCALE 1-Inch = 200-Feet	PAGE NO 4	TOTAL PAGES 4	



Maryland Avenue, East of 99th Avenue (Looking West)



Maryland Avenue Access Road, East of SR101L (Looking West)

	PROJECT NAME Loop 101, Bethany Home Rd to Maryland Ave Pathway Improvements		EXHIBIT TITLE Existing Condition Photos
	DATE 9/21/2015	PROJECT NO N/A	LEGEND
	SCALE N.T.S.	PAGE NO 1	



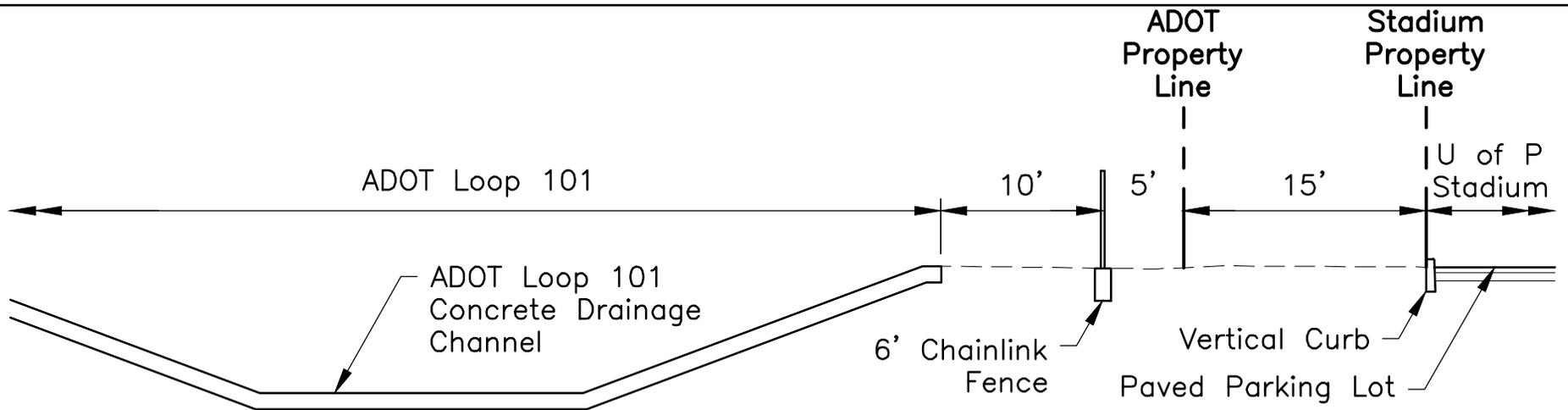
Grand Canal Pathway Terminus, East of SR101L (Looking West)



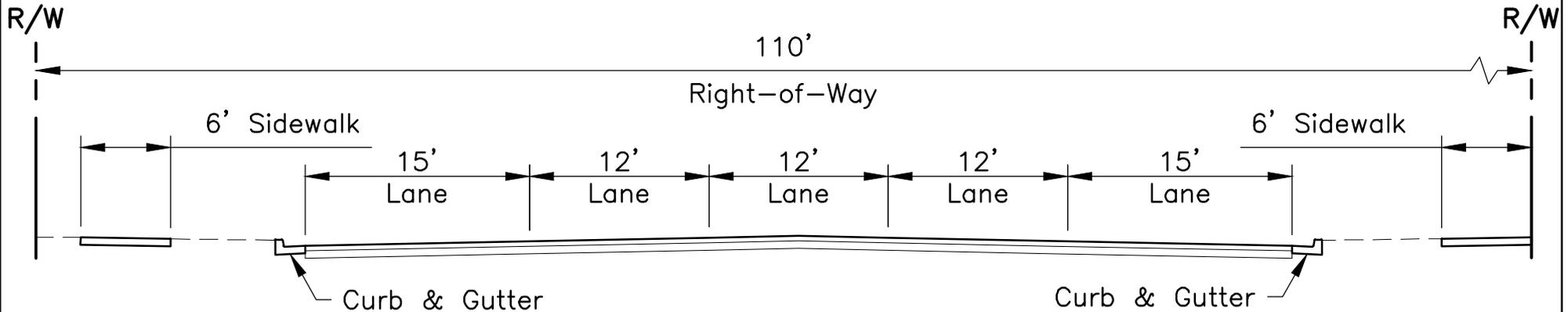
Stadium Parking Lot, East of SR101L (Looking North)



PROJECT NAME Loop 101, Bethany Home Rd to Maryland Ave Pathway Improvements		EXHIBIT TITLE Existing Condition Photos	
DATE 9/21/2015	PROJECT NO N/A		LEGEND
SCALE N.T.S.	PAGE NO 2	TOTAL PAGES 2	



LOOP 101
Bethany Home Road to Maryland Avenue
 (Looking North)



MARYLAND AVENUE
Loop 101 to 91st Avenue
 (Looking East)



PROJECT NAME		EXHIBIT TITLE	
Loop 101, Bethany Home Rd to Maryland Ave Pathway Improvements		Existing Typical Section	
DATE	PROJECT NO	LEGEND	
9/21/2015	N/A		
SCALE	PAGE NO	TOTAL PAGES	
1"=10'	1	1	