

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

McClintock Drive Shared Use Path Underpass

City of Tempe

**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)**

**Tempe: Rio Salado Shared-use Path Underpass at McClintock****PART A - CONTACT AND PROJECT DESCRIPTION****Contact Information**

1. Name of Sponsoring Agency	Tempe
2. Agency Contact Name	Shelly Seyler- Deputy Public Works Manager -Transportation
3. Phone Number of Agency Contact	480-350-8854
4. E-Mail Address of Agency Contact	shelly_seyler@tempe.gov
5. Mailing Address of Agency Contact	City of Tempe - Public Works - Transportation 200 E 5th Street, 2nd Floor Tempe, AZ 85281

**Project Description**

6. Please provide the Project Title.	Rio Salado Shared-use Path Underpass at McClintock
7. Please provide a concise, specific description of the project (250 character limit):	
<p>Construct ADA compliant bicycle/pedestrian shared use underpass path under McClintock Drive bridge along the south bank of the Rio Salado River.</p>	
<p>The proposed 0.1 mile project will connect the eastern end of the existing Tempe Town Lake Rio Salado south bank multi-use path to the new path north of Tempe Marketplace and under the Loop 101/202 underpass.</p>	

Tempe : Rio Salado Shared-use Path Underpass at McClintock

**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 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 type="text" value="Shared-use Underpass"/>                             |
| <input type="checkbox"/> Planning Study                          |   |

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

- |  |   |
|--|---|
| <input type="checkbox"/> Bridge (overpass)                 | Other:  |
| <input checked="" type="checkbox"/> Tunnel (underpass)     | <input type="text" value="Bridge underpass"/> |
| <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"/> 4 Number of Way-finding Signs          | <input type="checkbox"/> Number of bicycle/pedestrian counting devices              |
| <input type="checkbox"/> 2 Number of Trash receptacles          | Other:  |
| <input type="checkbox"/> 8 Number of Trees                      | <input type="text" value="Anti graffiti coating on all exposed at-risk surfaces."/> |
| <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.

Rio Salado Path users are required to cross McClintock Drive, one of Tempe’s busiest arterial streets, at grade. The project will provide a safer crossing alternative and will link more than 25 miles of local and regional path systems starting at SR 143 along the south bank of the Rio Salado along Tempe Town Lake and downtown Tempe to the cities of Mesa and Scottsdale. The project will provide a continuous off-street link for employees and residents located on the western end of Rio Salado, downtown Tempe, Town Lake and ASU students to Tempe Marketplace and Riverview in Mesa.

Tempe : Rio Salado Shared-use Path Underpass at McClintock

**PART B-DETAILED PROJECT DESCRIPTION**

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

Construct ADA compliant and safe bicycle/pedestrian shared use underpass under the McClintock Drive bridge along the south bank of the Rio Salado. The project will construct a lighted, minimum of 10-foot vertical clearance and 10-foot wide concrete path that will accommodate emergency and maintenance vehicles from Army Corps of Engineers, city vehicles and SRP. The project will link more than 25 miles of local and regional path systems starting at SR 143 along the south bank of the Rio Salado along Tempe Town Lake and downtown Tempe, to the cities of Mesa and Scottsdale.

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

The project will link more than 25 miles of local and regional ADA compliant safe path system starting at SR 143 along the south bank of the Rio Salado along Tempe Town Lake and downtown Tempe to the cities of Mesa and Scottsdale. The project will provide a continuous off-street link for employees, residents and ASU students located at employment centers and residential areas at the western end of Rio Salado, downtown Tempe, Town Lake to Tempe Marketplace and Riverview in Mesa.

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:

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

The project will provide protective railings, lighting and eliminate the need for bicyclists and pedestrians to cross McClintock Drive at grade to access the shared-use path to Tempe Marketplace and in the future to the city of Mesa Cubs Stadium.

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

The shared use underpass will be constructed to meet or exceed current ADA requirements. Persons with disabilities using Rio Salado Path are required to cross McClintock Drive, one of Tempe’s busiest arterial streets, at grade. The project will provide a safer and shorter crossing alternative and will link more than 25 miles of off-street local and regional ADA accessible path system starting at SR 143 along the south bank of the Rio Salado River, along Tempe Town Lake and downtown Tempe, to the cities of Mesa and Scottsdale. The project will provide a continuous ADA accessible off-street link for persons with disabilities that connects the western end of the Rio Salado, downtown Tempe, Town Lake, ASU, Tempe Marketplace to Riverview in Mesa.

## Tempe : Rio Salado Shared-use Path Underpass at McClintock

## PART B-DETAILED PROJECT DESCRIPTION

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

Neighborhood residents and employees who reside or employed close to and/or current users of the Rio Salado Path are required to cross McClintock Drive, one of Tempe's busiest arterial streets, at grade to reach Downtown Tempe, ASU, Tempe Town Lake, State Farm, Tempe Marketplace or the employment sites west of (No Suggestions) Drive. The project will provide a safer crossing alternative and will link more than 25 miles of local and regional path systems starting at SR 143 along the south bank of the Rio Salado River, along Tempe Town Lake and downtown Tempe, to the cities of Mesa and Scottsdale. The project will provide a continuous off-street link for employees and residents located at the western end of Rio Salado, downtown Tempe, Town Lake and ASU students to Tempe Marketplace and Riverview in Mesa.

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

The project will automatically provide shaded viewing area for the Rio Salado Preserve under the bridge. Another component that will promote sense of place is the commissioned public art that is included in the project.

14. Connectivity: (Check all that apply)

Project fills a gap in the system

Explain:

Current access to the Loop 101/202 SUP east of McClintock Drive from Rio Salado SUP requires almost 1/4 mile detour and also requires crossing McClintock Drive at-grade, a busy arterial street in Tempe.

Project connects to other local bikeways

List of connected bikeways:

Rio Salado West from SR 143; Rio Salado Town Lake Path, Loop 202/101 Path; Scottsdale Indian Bend Wash Path.

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

List of Participating Jurisdictions:

25 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.

2 Within 1/2 mile

List routes and frequency:

Route 81: 30 minute all day; Route 48: 30 minute all day.

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

1 Within 1/2 mile

List:

Tempe Marketplace

## Tempe : Rio Salado Shared-use Path Underpass at McClintock

## 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:

Rio Salado River Riparian Area; Town Lake; and ASU Karsten Golf Course.

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:

Tempe Marketplace

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:

Arizona State University

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:

Tempe Marketplace with over 70 shops.

1/4 miles to 1/2 miles

List:

Tempe Marketplace with over 70 shops; and Arizona State University

## Tempe : Rio Salado Shared-use Path Underpass at McClintock

## 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:

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

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**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

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**PART B-DETAILED PROJECT DESCRIPTION**

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

<input checked="" type="checkbox"/>	No Utility in or abutting the alignment	<input type="checkbox"/>	Private Structures
<input type="checkbox"/>	Canals & Drainage		
<input type="checkbox"/>	Power Lines & Cables	Other:	
<input type="checkbox"/>	Pipelines, Sewer and Water	<input type="text"/>	

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

None

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

<input checked="" type="checkbox"/>	AASHTO Guide for Bicycle Facilities	Other:
<input checked="" type="checkbox"/>	MAG Pedestrian Policies and Design Guidelines	<input type="text" value="City of Tempe Design Guidelines"/>
<input checked="" type="checkbox"/>	MAG Complete Streets Guide	
<input checked="" type="checkbox"/>	MAG Designing Transit Accessible Communities	
<input checked="" type="checkbox"/>	MAG Valley Path Brand & Wayfinding Signage Guidelines	
<input checked="" 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:	<input type="text" value="Recommended"/>
With new development and capital improvement projects, bike lanes on collector streets are:	<input type="text" value="Recommended"/>
With pavement restoration or regular pavement maintenance on arterial streets, bike lanes are:	<input type="text" value="Recommended"/>
With new development or during development retrofits, shared-use paths are:	<input type="text" value="Required"/>
Bicycle program implemented, including bike education, safety events, and bike maps	<input type="text" value="Yes"/>
Complete Streets Policy	<input type="text" value="Yes"/>

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## PART B-DETAILED PROJECT DESCRIPTION

34. The project is: (Check one)

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

List:

Tempe General Plan 2040; Tempe Transportation Master Plan 2040; Tempe Capital Improvement Program 2015-2020

Consistent with general policy/practices, but not formally identified (provide source)

Explain:

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

Explain:

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

The city will count the number of bicyclists and pedestrians using the underpass. The city will also review bicycle and pedestrian accident data at the nearest crossings at McClintock Drive. The reduction of bike and ped related incidents would be a measure of success.

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?

As part of this project, the city is including the purchase of three counters that automatically broadcast counts and updates and will be deployed at the east and west entrances of the underpass.

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.

The city of Tempe has a very progressive bike and ped marketing program. Tempe promotes bike and ped improvements, including transit connections, via the internet, radio, and television advertisements. Tempe also partners with Arizona State University in advertising transit, bicycle, and pedestrian facility improvements in the city.

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

In addition to the regional wayfinding signs, the city will also install BIKEiT wayfinding signs indicating connections to other paths and major destination locations that can be accessed through the shared use path and connecting paths.

Tempe: Rio Salado Shared-use Path Underpass at McClintock

**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.

<b>Sponsoring Agency:</b>	City of Tempe	<b>Project Title:</b>	Rio Salado Shared-use Path Underpass at McClintock	<b>Application Date:</b>	21-Sep-15
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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	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	3. ENVIRONMENTAL DETERMINATION (Infrastructure projects, including technical supporting documents)	LS	1	\$20,000.00	\$20,000.00	No	\$0.00	\$20,000.00		
	4. HAZMAT ASSESSMENT	LS	1	\$5,000.00	\$5,000.00	No	\$0.00	\$5,000.00		
	<b>Subtotal Scoping (Part A)</b>				<b>\$40,000.00</b>		<b>\$0.00</b>	<b>\$40,000.00</b>		
B. Final Preliminary Engineering Design - Stages II, III, IV And PS&E	1. Plans, Special Provisions or Bid Manual, Cost Estimate & Schedules.	LS	1	\$100,000.00	\$100,000.00	No	\$0.00	\$100,000.00		
	2. GEOTECHNICAL INVESTIGATION and Materials & Pavement Design Report	LS	1	\$7,500.00	\$7,500.00	No	\$0.00	\$7,500.00		
	3. DRAINAGE REPORT	LS	1	\$7,000.00	\$7,000.00	No	\$0.00	\$7,000.00		
	4. SWPPP	LS	1	\$4,000.00	\$4,000.00	No	\$0.00	\$4,000.00		
	<b>Subtotal PE (Part B)</b>				<b>\$118,500.00</b>		<b>\$0.00</b>	<b>\$118,500.00</b>		
<b>Subtotal Preliminary Engineering (Part A + Part B)</b>				<b>\$158,500.00</b>		<b>\$0.00</b>	<b>\$158,500.00</b>			
C. Right-of-Way Acquisition	1. Right-of-Way Acquisition	LS	1		\$0.00	No	\$0.00	\$0.00		
<b>Subtotal Right-of-Way Acquisition (Part C)</b>				<b>\$0.00</b>		<b>\$0.00</b>	<b>\$0.00</b>			
D. Utility Relocation	1. Utility Relocation	LS	1	\$25,000.00	\$25,000.00	No	\$0.00	\$25,000.00		
<b>Subtotal Utility Relocation (Part D)</b>				<b>\$25,000.00</b>		<b>\$0.00</b>	<b>\$25,000.00</b>			
E. Construction Or Implementation [For Non-Infrastructure Projects (No Ground Disturbing Activities), Address Only Part 4]	1. Hardscape Construction	Installation Of SWPP Measures		LS	125	\$120.00	\$15,000.00	Yes	\$14,145.00	\$855.00
		Site Preparation		LS	1	\$30,000.00	\$30,000.00	Yes	\$28,290.00	\$1,710.00
		Demolition	Sawcut	LF	1	\$15,000.00	\$15,000.00	Yes	\$14,145.00	\$855.00
			Remove Structures and Obstructions	LS	1	\$20,000.00	\$20,000.00	Yes	\$18,860.00	\$1,140.00
			Remove Fencing	LF	1		\$0.00	Yes	\$0.00	\$0.00
			Remove Structural Concrete	CY	1	\$10,000.00	\$10,000.00	Yes	\$9,430.00	\$570.00
			Remove Asphaltic Concrete Pavement	CY	1		\$0.00	Yes	\$0.00	\$0.00
			Remove Concrete Sidewalks, Slabs	CY	1	\$7,000.00	\$7,000.00	Yes	\$6,601.00	\$399.00
		Hazmat Abatement		LS	1		\$0.00	Yes	\$0.00	\$0.00
		Retaining Wall - Reinforced Concrete Cantilevered		SF	1		\$0.00	Yes	\$0.00	\$0.00
		Earthwork	General Excavation	CY	1	\$60,000.00	\$60,000.00	Yes	\$56,580.00	\$3,420.00
			Drainage Excavation	CY	1	\$40,000.00	\$40,000.00	Yes	\$37,720.00	\$2,280.00
			Structural Excavation	CY	1	\$55,000.00	\$55,000.00	Yes	\$51,865.00	\$3,135.00
			Structural Backfill	CY	1	\$35,000.00	\$35,000.00	Yes	\$33,005.00	\$1,995.00
			Borrow (In Place)	CY	1		\$0.00	Yes	\$0.00	\$0.00
		Curb & Gutter		LF	1		\$0.00	Yes	\$0.00	\$0.00
		Aggregate Base		CY	1	\$70,000.00	\$70,000.00	Yes	\$66,010.00	\$3,990.00
		Pathway Or Sidewalk Materials	Concrete	SF	1	\$98,000.00	\$98,000.00	Yes	\$92,414.00	\$5,586.00
			Colored Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Stamped Color Concrete	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Precast Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Asphaltic Concrete	Ton	1		\$0.00	Yes	\$0.00	\$0.00
			Polymer or Resin Stabilized Surface	SF	1		\$0.00	Yes	\$0.00	\$0.00
		Crosswalk Enhancement	Concrete Pavers	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Stamped Asphalt	SF	1		\$0.00	Yes	\$0.00	\$0.00
			Stamped Concrete	SF	8,000	\$18.00	\$144,000.00	Yes	\$135,792.00	\$8,208.00
			Concrete	SF	20,000	\$12.00	\$240,000.00	Yes	\$226,320.00	\$13,680.00
			Integral Color Concrete	SF	200	\$22.00	\$4,400.00	Yes	\$4,149.20	\$250.80
		Pedestrian ADA Ramp		SF	1		\$0.00	Yes	\$0.00	\$0.00
		Culvert Extensions		LF	1		\$0.00	Yes	\$0.00	\$0.00
Pedestrian Lighting Including Conduit And Trenching		Each	8	\$4,000.00	\$32,000.00	Yes	\$30,176.00	\$1,824.00		
Handrail	Standard	LF	1		\$0.00	Yes	\$0.00	\$0.00		
	Decorative	LF	1,500	\$75.00	\$112,500.00	Yes	\$106,087.50	\$6,412.50		
<b>Subtotal Hardscape Construction</b>					<b>\$987,900.00</b>		<b>\$931,589.70</b>	<b>\$56,310.30</b>		

Tempe: Rio Salado Shared-use Path Underpass at McClintock

**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.

<b>Sponsoring Agency:</b>	City of Tempe	<b>Project Title:</b>	Rio Salado Shared-use Path Underpass at McClintock	<b>Application Date:</b>	21-Sep-15
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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	5	\$1,500.00	\$7,500.00	Yes	\$7,072.50	\$427.50	
		Trees (15 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00		
		Trees (5 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00		
		Shrubs (5 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00		
		Shrubs (1 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00		
		Cactus (5 Gallon Size)	Each	1		\$0.00	Yes	\$0.00	\$0.00		
		Mulch	Decomposed Granite	CY	1		\$0	Yes	\$0	\$0	
			Organic	CY	1		\$0	Yes	\$0	\$0	
		Topsoil		CY	1		\$0	Yes	\$0	\$0	
		Seeding		Acre	1		\$0	Yes	\$0	\$0	
		Turf Sod		SY	1		\$0	Yes	\$0	\$0	
		Boulders		Each	1		\$0	Yes	\$0	\$0	
		Irrigation System	Drip	SF	1	\$2,500	\$2,500	Yes	\$2,358	\$143	
			Turf	SF	1		\$0	Yes	\$0	\$0	
			Directional Bore	LF	1		\$0	Yes	\$0	\$0	
		Sleeving For Irrigation System		LF	1		\$0	Yes	\$0	\$0	
		Landscape Header Curb		LF	1		\$0	Yes	\$0	\$0	
		Landscape Establishment		LS	1		\$0	Yes	\$0	\$0	
		Subtotal Landscaping & Irrigation Items					\$10,000		\$9,430	\$570	
		3. Site Furnishings		Benches	Each	1		\$0	Yes	\$0	\$0
			Seatwalls	LF	1	\$5,000	\$5,000	Yes	\$4,715	\$285	
			Bike Racks	Each	5	\$200	\$1,000	Yes	\$943	\$57	
			Trash Receptacles	Each	1		\$0	Yes	\$0	\$0	
			Drinking Fountains	Each	1		\$0	Yes	\$0	\$0	
			Signage (Standard Traffic Control)	Each	4	\$450	\$1,800	Yes	\$1,697	\$103	
			Signage (Wayfinding)	Each	10	\$1,500	\$15,000	Yes	\$14,145	\$855	
			Tree Grates	Each	1		\$0	Yes	\$0	\$0	
		Subtotal Site Furnishings					\$22,800		\$21,500	\$1,300	
		4. Other Construction Items. Also, Itemized Line Items For Non-Infrastructure Projects. (Insert Additional Rows If Necessary)		Bicycle and Pedestrian Counter	Each	3	\$10,000	\$30,000	Yes	\$28,290	\$1,710
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
					1		\$0	Yes	\$0	\$0	
		Subtotal Other Construction					\$30,000		\$28,290	\$1,710	
		5. Mobilization And Administration Costs		Contractor Mobilization	LS	1	\$20,000	\$20,000	No	\$0	\$20,000
			Traffic Control	LS	1	\$60,000	\$60,000	Yes	\$56,580	\$3,420	
			Construction Survey & Layout	LS	1	\$25,000	\$25,000	Yes	\$23,575	\$1,425	
			Construction Contingencies	LS	1	\$120,000	\$120,000	Yes	\$113,160	\$6,840	
			Construction Administration	LS	1	\$50,000	\$50,000	Yes	\$47,150	\$2,850	
		Subtotal Mobilization & Administration Costs					\$275,000		\$240,465	\$34,535	
		Subtotal Construction Or Implementation Cost (Part E)					\$1,325,700		\$1,231,275	\$94,425	
	F. Total Scoping, PE, Right-of-Way Acquisition, Utility Relocation, and Construction (Part A, B, C, D, and E)						\$1,509,200		\$1,231,275	\$277,925	
G. Adot Fee Review Fee - \$10,000 for Certified Accepted agencies, otherwise \$30,0000						\$10,000	No	\$0	\$10,000		
H. Total Project Cost Including ADOT Fees (Part F + Part G)						\$1,519,200		\$1,231,275	\$287,925		

Tempe: Rio Salado Shared-use Path Underpass at McClintock

**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	\$10,000	
2. Design	\$158,500	
3. Right of way	\$0	
4. Utilities	\$25,000	
5. Construction	\$1,205,700	
6. Contingency	\$120,000	No more than 20% of Construction Cost
7. Total Cost	\$1,519,200	

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)	2017	Environmental Clearance Preliminary/Final Design/PS&E	Sales Tax	\$158,500	Not Available	\$158,500	100.0%
12. Right of way (Optional)				\$0	Not Available	\$0	
13. Utilities (Optional)				\$25,000	Not Available	\$25,000	100.0%
14. Other (Optional)		ADOT Fee		\$10,000	Not Available	\$10,000	100.0%
15. Construction	2018	Construction		\$94,425	\$1,231,275	\$1,325,700	7.1%
16. Total Costs				\$287,925	\$1,231,275	\$1,519,200	19.0%

**PART F - SIGNATURE AND CHECKLIST****Checklist**

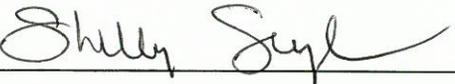
This checklist is included to facilitate applicant review and verification that all required fields in the form have been completed.

<b>COVER SHEET</b>	<b>Complete?</b>
Cover Sheet is completely filled out	Yes
<b>PART A - Contacts and Project Description Fields</b>	<b>Complete?</b>
Contact Information, fields 1 – 5 are complete	Yes
Project Description, fields 6 - 8 are complete	Yes
<b>PART B - Project Description</b>	<b>Complete?</b>
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
<b>PART C - Required Attachments</b>	<b>Complete?</b>
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.	No
(OPTIONAL) - Up to three (3) letters of support for the project are provided in the printed application and the PDF application.	No
(OPTIONAL) - GIS coverage (shapefile or geodatabase) is provided on the CD with the application.	Yes
<b>PART D - Cost Estimate Worksheet</b>	<b>Complete?</b>
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
<b>PART E - Total Project Schedule and Budget Including All Segment Fields</b>	<b>Complete?</b>
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
<b>PART F - Signature and Checklist</b>	<b>Complete?</b>
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

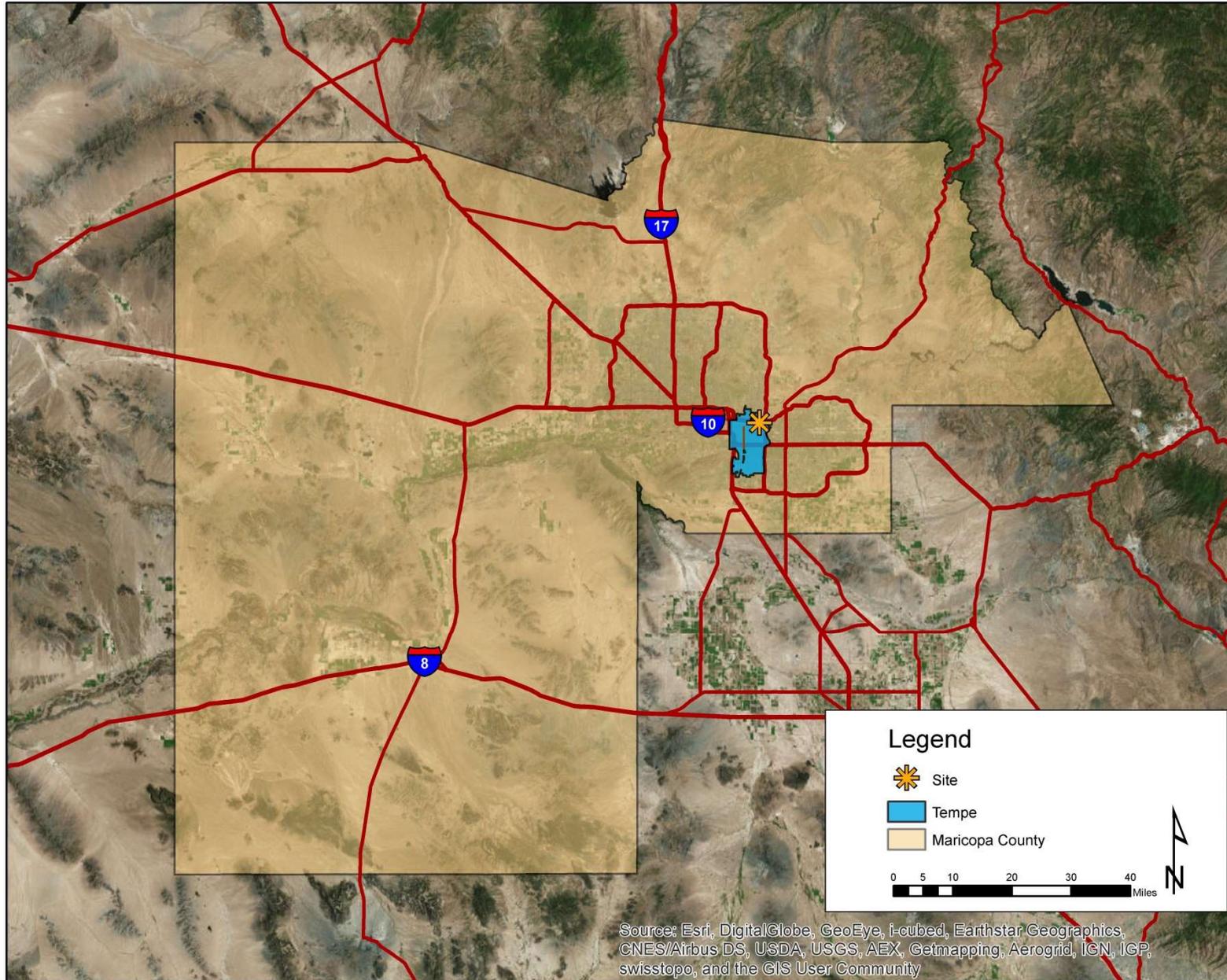
## SIGNATURE(S):

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:	Shelly Seyler
Title:	Deputy Public Works Manager - Transportation
Date:	18-Sep-15

Attachment1 - Regional Context Project Location Map

Rio Salado Shared-use Path Underpass at McClintock



Attachment 2 - Project Location Map: Rio Salado SUP Underpass at McClintock Bridge



## Attachment 3 Existing Condition Pictures

Picture 1: Aerial View - Rio Salado SUP and Loop 101/202 SUP at McClintock Bridge



Picture 2: Crossing Connection at McClintock Drive looking North at the SUP Entrances



## Attachment 3 Existing Condition Pictures

Picture 3: From Loop 101/202 SUP: Looking west at McClintock Bridge



Picture 4 - From Rio Salado SUP: Looking east at McClintock Bridge



# Attachment 4 - Typical Cross Section Rio Salado SUP Underpass at McClintock Bridge



## RIO SALADO MULTI-USE PATH UNDERPASS - McCLINTOCK DRIVE

