

Pinal Area Surface Transportation Program (STP) Funding Application for 2018 and 2020 (Due By 10:00 A.M., Monday, September 21,2015)

General Instructions

Eligibility Requirements

Projects requests must comply with the following requirements:

1. Be sponsored by a MAG member agency,
2. Be located in parts of Pinal County within the boundaries of the MAG planning area
3. Be on a roadway that is federally classified as a major collector or above, or on a roadway that will be classified as major collector or above upon completion of the project
4. Complete one or more of the following work activities:
 - a. Expansion of capacity,
 - b. Rehabilitation of existing infrastructure, including both roadways and bridges,
 - c. Improvement of traffic intersections, and
 - d. Drainage improvements.

Funding from STP program in Pinal County may not be flexed to transit.

Funding Availability

All funding available through this application is federal Surface Transportation Program (STP) funding. The minimum local match for this funding is 5.7 percent of total project cost. The amount and year in which funding is available for federal obligation* is approximately **\$0.4 million for federal fiscal year 2018 and \$1.3 million for federal fiscally year 2020.**

* Obligation refers to a federal commitment to reimburse a project sponsors for expenses accrued in the development of a project. These expenses must meet federal requirements for eligibility and will occur after the date of obligation until the project is either completed or the federal funding is used up.

Application Layout

The applications is divided into four work sheets as follows:

1. Project Sheet - this sheet is used to provide an overview of the project. It is required for all projects.
2. Road Sheet - this sheet is used to provide information on road project. A separate work sheet is required for each major typical roadway section or bridge to be improved.
3. Intersection Sheet - this sheet is used to provide information on an intersection project. A separate work sheet is required for each intersection to be improved.
4. Cost Sheet - this is a sheet for developing a cost estimate. This sheet is OPTIONAL.
5. Budget Sheet - this sheet is used to layout a budget for the project and provide a place to sign the application. A budget sheet is required for all projects and must include all work necessary to complete the project regardless of funding source. The signature part of the page must be signed with the submitted printed copy of the application.
6. Checklist Sheet - this sheet is OPTIONAL. This page provides a place for the agency to verify that it has completed all fields in the application.

Instructions for each sheet are located at the top of the sheet. Unless specifically identified all items are required.

The spreadsheet also includes some informational items. These include:

1. ADOT Fees - tables showing ADOT fees
2. Map - a map showing the area where projects may be programmed for the funding

Pinal Area Surface Transportation Program (STP) Funding Application for 2018 and 2020
(Due By 10:00 A.M., Monday, September 21,2015)

Transmittal Instructions and Application Deadline

Application Submittal Requirements

All applications are due on **Monday, September 21, 2015 by 10:00 a.m.** Both an electronic and printed copy of the application and all attachments are required.

The electronic copy of the application includes the following:

- a. A completed Excel spreadsheet application in MS Excel format (Please do not send a PDF or Fax instead of the spreadsheet)
- b. A PDF or FAXed copy of PartE of the Excel spreadsheet with the signature block signed and dated
- c. A PDF or FAXed copy of all required attachments

The printed copy of the application includes the following:

- a. A printout of the completed Excel spreadsheet application, with the signature block in PartE signed and dated
- b. Printed copies of all required attachments

MAG Mailing address

Electronic applications should be sent to the following address:

[mailto: MAG Staff](mailto:MAG Staff)

Printed copies should be addressed as follows:

Maricopa Association of Governments
 ATTN: Teri Kennedy,
 302 N. 1st Avenue, Suite #300,
 Phoenix, AZ 85003.

If a complete, signed electronic copy is received by the submittal deadline, applicants have five working days to submit a printed copy of the application.

Application Workshops and Open Working Group Meeting Schedule*

Date	Time	Room	Event
Wednesday, August 19, 2015	10:00-11:30 AM	Saguaro	Workshop on MAG Transportation Programming and Federal Fund Project Applications
Monday, August 24, 2015	8:30-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications
Monday, September 14, 2015	9:00-10:00 AM	Chaparral	Open Working Group - Federal Fund Project Applications

* All meetings will be held on the 2nd floor of the MAG Offices at 302 N. 1st Avenue, Phoenix, AZ 85003

MAG CONTACT INFORMATION

Contact Name	Phone	E-Mail Address
MAG Offices	602-254-6300	
Teri Kennedy	602-254-6300	TKennedy@azmag.gov
Stephen Tate	602-452-5010	State@azmag.gov
John Bullen	602-254-6300	JBullen@azmag.gov

- Gilbert Road, from Hunt Highway to State Route 87. Project Description Sheet		
Instructions	1. Please enter values for all cells with a green fill pattern 2. All cells are required. If the information is not applicable enter "None" or 0.	
1. Project Sponsorship	Project Sponsor Name	Gila River Indian Community
	Other Participating Agencies	None
2. Project Location	Identify the Project Location (50 Char Limit)	Gilbert Road, from Hunt Highway to State Route 87.
	Attach a map depicting the project.	Find map attached as Figure 1
	Attach a vicinity map of the project	Find map attached as Figure 2
3. Project Work Description	Provide a short work description (50 char limit)	A reconstruction of a section of Gilbert Road.
	Overview - please describe the work to be performed, its benefits and costs	A design and reconstruction of a 2.5 mile section of Gilbert Road, from Hunt Highway to State Route 87. Stormwater occasionally backs up on the sides of the roadway and can overtop a portion of the road during large storm events. Along with improving drainage, this project will bring the failing roadway surface conditions up to acceptable levels. The new roadway will also be reconstructed to meet current AASHTO safety standards for shoulders and superelevation as well as significantly decrease future maintenance costs.
4. Proximity to the Nearest Employment and Commercial Center	Employment Center	
	Name of Nearest Employment Center	Sacaton (unofficial capital of the Gila River Indian Community with a considerable amount of government workers and services, located 7 miles from the project location)
	Approximate Number of Employees at the center	2,461
	Distance to the project	≥ 4 miles
	Commercial Center	
	Name of Nearest Commercial Center	Albertsons Plaza at Cooper Commons (SWC of Gilbert Road and Riggs Road)
	Approximate Square Footage of the Commercial Center	85,000
	Distance to the project	< 1 mile
5. Regional Connectivity	Does the Project Improve Connectivity	Yes
	If answer above was yes, briefly discuss how the project improves regional/multijurisdictional connectivity.	Gilbert Road, between Hunt Highway and State Route 87, serves as part of a major thoroughfare from the southeast Phoenix metropolitan area (such as the cities of Chandler and Gilbert) to the far southeast MAG communities such as the Town of Florence and Sacaton (as well as other municipalities in Pinal County such as Coolidge, Casa Grande, and Eloy). The traffic on this section of road is projected to increase by approximately 15% within 20 years. Currently, Gilbert Road is failing and this project will raise the pavement conditions to an acceptable level, as well as reduce future maintenance costs. Additionally, the proposed drainage improvements, paved shoulder improvements, and superelevation improvements will increase roadway safety.

- Gilbert Road, from Hunt Highway to State Route 87. Project Description Sheet		
Instructions	1. Please enter values for all cells with a green fill pattern 2. All cells are required. If the information is not applicable enter "None" or 0.	
6. Agency Plans	IS the project included in Agency Plans	Yes
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Pan and the role of the project in the plan.	The reconstruction and improvement of Gilbert Road is listed as a 2020 project in the FY 2015-2020 Tribal Transportation Improvement Program (TTIP).
7. Community Involvement	Is the project a community request	Yes
	If the check box above is checked, briefly describe the nature of the community request.	Improving and maintaining Gilbert Road in an acceptable condition is important to the Gila River Indian Community leadership and residents. The Gila River Indian Community Department of Transportation staff has placed this project as a priority in the Community's TTIP, which was approved through resolution by Council.

- Gilbert Road, from Hunt Highway to State Route 87. Roadway Segment Sheet		
Instructions	1. This sheet is required for all roadway segment and bridge projects. Please omit if the project is exclusively an intersection project. 2. Items for #4 and #14 may be omitted for non bridge projects, all other green colored cells are required 3. A Excel work sheet for each distinct roadway section or segment is required. To add a new worksheet to this Excel workbook file, do the following: > Right Click on the Roadway tab at the bottom of the screen > Select the "Move or Copy" option > Select the "Roadway" sheet > Check the "Create Copy" box > Click the "Okay" button	
1. Roadway Location	Roadway Name	Gilbert Road
	Starting Limit	Station 10+00
	Ending Limit	Station 142+00
	Length (to nearest 10th of a mile)	2.50
Current Roadway Characteristics		
2. Federal Functional Classification	Please select the federal functional classification of the roadway	None
	Link to Functional Classification Maps	
3. Current Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved	Find diagram attached as "Existing Cross Section (Typical)"
	Attach a photo(s) of the current roadway	Find Photos attached
	Number of Through Lanes (Both directions)	1
4. Bridge Condition (Required only for bridge projects)	Bridge Sufficiency Rating (from ADOT NBI Table)	
	Is Structurally Deficient?	
	Is Functionally Obsolete?	
	Link to ADOT NBI Table	
5. Pavement Condition	Pavement Type	Asphaltic Concrete
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	Bureau of Indian Affairs (BIA) Manual Pavement Rating Method
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	1-20, 20 is best/excellent condition
	Date of Rating	8/26/2015
	Rating	2

- Gilbert Road, from Hunt Highway to State Route 87. Roadway Segment Sheet		
6. Traffic	Traffic Count	(For further information, please find attached AADT adjustment form)
	Please describe how the count was collected	Tube Counts
	Date of Count	8/26/2015
	AADT	6115
	K-Factor - Percent of traffic in the peak hour	9%
	D-Factor - Percent of design hour volume flowing in the peak hour direction	9%
	Number of lanes in the Peak Hour Direction	1
	Posted Speed Limit (mph)	55
	Peak Hour Speed (mph)	65
7. Safety	Number of crashes in last 3 years by crash type.	(For further information, please find attached incident report)
	Number of fatality crashes	0
	Number of incapacitating crashes	3
	Number of non incapacitating crashes	0
	Number of possible injury crashes	1
	Number of property damage only crashes	6
8. Multimodal	Does the roadway have a transit Route?	No
	Does the roadway have a striped bicycle lanes?	No
Proposed Roadway Characteristics and Improvements		
9. Proposed Functional Classification	Please select the federal functional classification of the roadway	Major Collector
	Link to Functional Classification Maps	
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	Find diagram attached as Figure 4
	Number of Through Lanes on the improved roadway (Both directions)	1
11. Access Control Improvements	Please describe access control issues and proposed improvements	There are no access control issues, and as such no access control improvements are proposed.

- Gilbert Road, from Hunt Highway to State Route 87. Roadway Segment Sheet		
12. Alignment Improvements	Describe horizontal alignment issues and proposed improvements	Superelevation has to be increased to meet AASHTO standards
	Describe vertical alignment and proposed improvements	Finished Pavement elevation will be raised 12"
13. Drainage Improvements	Describe drainage issues and proposed improvements	The storage capacity of the ditches will be increased to hold additional runoff
14. Bridge improvements (Required for bridge projects only)	Describe Bridge issues and proposed Improvements	N/A
15. Pavement Improvements	Proposed Pavement Type	Asphaltic Concrete
	Describe the current condition of the pavement and proposed improvements	The pavement is in very poor condition with significant alligator cracking and potholing. The existing pavement will be milled out and the milling mixed into the sub-base. We will then place an 8" aggregate base course and re-pave with 4" of Asphalt Concrete.
16. Traffic Improvements	Describe traffic issues and proposed Improvements	On weekends this a major connecting leg for bicyclist trying to access SR87 from the City of Chandler. The current shoulder width and pavement condition force bicyclists into the travel lanes in several locations. The new road will have 12' lanes, shoulders 5' of which will be paved.
17. Safety Improvements	Describe safety issues and proposed Improvements	The superelevation on the curve beginning at station 19+00 does not meet AASHTO standards. The shoulder width does not meet AASHTO standards. The existing pavement markings are badly faded. In heavy rain events water stored in the ditches encroaches on the travel lanes in several location. Improvements will consist of rebuilding the curve to proper superelevation, increasing the shoulder with to 5' paved and 7' gravel, restriping the road and placing raised pavement markings, and raising the road and excavating the ditches to hold additional runoff.
18. Multimodal Improvements	Describe multimodal issues and proposed Improvements	On weekends this a major connecting leg for bicyclists trying to access SR87 from the City of Chandler. The current shoulder width and pavement condition force bicyclists into the travel lanes a several locations. The new road will have 12' lanes, shoulders 5' of which will be paved.
Environmental, Right-of-way and Other Considerations		
19. Environmental	Please describe environmental impacts or challenges of the project - .e.g. endanger species, cultural assets, hazardous materials sites, 4Fs, Title VI populations, wet lands that would be affected by the project.	None known at this time
20. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, how much right-of-way will be required, if right-of-way is needed are actors such as the State Lands Department be involved, etc.	None known at this time
21. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	None known at this time

- Gilbert Road, from Hunt Highway to State Route 87. Roadway Segment Sheet		
22. Utilities	Please describe utilities that could impact the proposed project	None known at this time

- Gilbert Road, from Hunt Highway to State Route 87. Traffic Intersection Sheet		
1. Intersection Location	Roadway Name A	
	Roadway Name B	
Current Intersection Characteristics		
2. Federal Functional Classification	Federal Functional Classification of Roadway A	None
	Federal Functional Classification of Roadway B	None
	Link to Functional Classification Maps	
4. Current Intersection Configuration	Attach an intersection diagram	(Attach an intersection diagram that details all lanes (through, left and center lanes) and associated widths)
	Attach a photo(s) of the current intersection	(Attach photo(s) of the intersection)
	Number of through lanes	
	Roadway A	
	Roadway B	
5. Pavement Condition	Pavement Type	Unpaved
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	
	Date of Rating	
	Rating	
6. Traffic	Traffic Volume in the Peak Hour by approach	
	Approach 1 traffic volume	
	Approach 2 traffic volume	
	Approach 3 traffic volume	
	Approach 4 traffic volume	

- Gilbert Road, from Hunt Highway to State Route 87. Traffic Intersection Sheet		
7. Safety	Number of crashes in last 3 years by crash type.	
	Number of fatality crashes	
	Number of incapacitating crashes	
	Number of non incapacitating crashes	
	Number of possible injury crashes	
	Number of property damage only crashes	
8. Multimodal	Does the roadway have a transit Route?	No
	Does the roadway have a striped bicycle lanes?	No
Proposed Intersection Characteristics and Improvements		
9. Federal Functional Classification	Federal Functional Classification of Roadway A	None
	Federal Functional Classification of Roadway B	None
	Link to Functional Classification Maps	
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved	(Attach an intersection diagram that details all lanes (through, left and center lanes) and associated widths)
11. Access Control Improvements	Please describe access control issues and proposed improvements	
12. Pavement Improvements	Proposed Pavement Type	Unpaved
	Describe pavement issues and proposed Improvements	
13. Traffic Improvements	Improves traffic throughput in the intersection	
	Describe traffic issues and proposed Improvements	
14. Safety Improvements	Addresses safety issues at a current intersection	
	Describe safety issues and proposed Improvements	
15. Multimodal Improvements	Describe multimodal issues and proposed Improvements	

- Gilbert Road, from Hunt Highway to State Route 87. Traffic Intersection Sheet		
Proposed Intersection Characteristics and Improvements		
16. Environmental	Please describe environmental impacts or challenges of the project - .e.g. endanger species, cultural assets, hazardous materials sites that would be affected by the project.	
17. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, actors such as the State Lands Department will be involved, etc.	
18. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	
19. Utilities	Please describe utilities that could impact the proposed project	

Gilbert Road from Hunt Hwy. to SR 87
September 17, 2015 Application for STP Funds Thru Maricopa Association of Governments
Paved Surface 2.5 miles long by 34 feet width - Project No. TBD

FP-14 Item No.	Item Description	Qty	Unit	Estimate Unit Price (\$)	Ext. Price(\$)
15101	Mobilization	1	L.S.	\$40,000.00	\$40,000.00
15201	Construction Survey and Staking	1	L.S.	\$35,000.00	\$35,000.00
15714	Soil Erosion Control - Includes SWPPP Plan	1	L.S.	\$10,000.00	\$10,000.00
20102	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00
20401a	Shoulder Excavation	6,467	C.Y.	\$19.00	\$122,873.00
20401b	Roadway Excavation	3,333	C.Y.	\$19.00	\$63,327.00
30101	Aggregate base, grading special	38,723	Ton	\$10.85	\$420,144.55
40201	Hot-Asphalt concrete pavement, class B, grading special, type 1 pavement smoothness	10,846	Ton	\$45.00	\$488,070.00
40203	Asphalt Cement, grade PG 70-10	596	Ton	\$650.00	\$387,400.00
41203	Emulsified Asphalt, Grade SS-1H, Tack Coat (Diluted 1:1)	33	Ton	\$570.00	\$18,810.00
41306	Milling	44,000	S.Y.	\$0.50	\$22,000.00
41403	Saw Cut	100	L.F.	\$1.50	\$150.00
62104	Public Land Monument, install frame and cover	7	Each	\$340.00	\$2,380.00
62501	Seeding, fertilizing and mulching, dry method	6	Acre	\$2,400.00	\$14,400.00
63309	Sign Installation, warning and regulatory, with steel post(s)	8	Each	\$350.00	\$2,800.00
63401a	Pavement markings, type H, 6 inch solid yellow	2,600	L.F.	\$0.50	\$1,300.00
63401b	Pavement markings, type H, 6 inch broken yellow	10,600	L.F.	\$0.50	\$5,300.00
63401c	Pavement markings, type H, 6 inch solid white	26,400	L.F.	\$0.50	\$13,200.00
63401d	Pavement markings, type H, 18 inch solid white	100	L.F.	\$8.00	\$800.00
63410	Raised Pavement Markers, Type D	400	Each	\$2.50	\$1,000.00
63501	Temporary traffic control	1	L.S.	\$30,000.00	\$30,000.00
	Subtotal for Construction				\$1,683,954.55
	Engineering Design and Environmental by Consultant (14%)	Est, %			\$235,753.64
	Materials Testing Services (3%)	Est, %			\$50,518.64
	Construction Contingency for Estimate (10%)	Est, %			\$168,395.46
	Total Estimated Construction & Design Cost for Project				\$2,138,622.28
	Requested STP Funds				\$1,270,000.00
	Local Share				\$868,622.28

- Gilbert Road, from Hunt Highway to State Route 87. Budget and Signature							
Instructions							
1. This sheet is required for all projects 2. All work phases regardless of funding source must be included in the proposed programming. 3. The signature part of this page must be signed with the printed application sent to MAG							
1. Project Budget	Preliminary Engineering and Final Design	\$235,754	14% of Construction Cost				
	Right of way	-	ROW has already established				
	Utilities	-	No utility conflicts are anticipated				
	Construction	\$1,902,868	Includes 10% Contingency and 4% Materials Testing Services				
	Total Cost w/o ADOT Review Fee	\$2,138,622					
	ADOT Review Fee	-	The Tribe is requesting that the funding be administered through the Federal Highway Administration's Tribal Transportation Program (TTP)				
	Total Cost	\$2,138,622					
2. Agency CIP	Please describe the agency programming in its CIP	Funding for this project is identified in the Gila River Indian Community's 2015-2020 TIP					
3. Proposed Programming	Work Phase	Year to be Programmed/1	Funding Source	Federal Amount/2	Local Amount	Total	Local Share/3
	PE / Design	2019	TTP		\$235,754	\$235,754	100%
	Construction	2020	STP-MAG	\$1,270,000	\$632,868	\$1,902,868	33%
	None	None	None	-	-	-	0%
	None	None	None	-	-	-	0%
	None	None	None	-	-	-	0%
	Total			\$1,270,000	\$868,622	\$2,138,622	41%
	Notes:	1. Federal funds are available only for 2018 and 2020		2. In 2018, \$350,000 is available; In 2020, \$1,270,000 is available.		3. The minimum local share is 5.7%	

Signature: To be signed with printed hard copy that is sent to MAG	
<p>As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.</p>	
Signature:	
Name:	
Title:	
Date:	

