

Pinal County Area - STP Application

Pinal Area Surface Transportation Program (STP) Funding Application

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. Approximately \$5.7 million in federal funding is available for programming.

Committee Review

Applications will be initially reviewed by the MAG Street Committee and ranked for approval by MAG policy committees. This review will be conducted in two step. In step one the project data submitted will be reviewed for "reasonableness and completeness" and in step two the project will be ranked.

This review will include the following determinations:

1. that the project is defined in sufficient detail to allow technical review,
2. that the project is free from fatal flaws (e.g. major utilities and drainage issues) that would prevent it from being implemented,
3. that the schedule laid out for the project, including locally funded work phases is reasonable and adequate for the year the project is requested to be authorized,
4. that cost estimates for the project are reasonable, accurate and account for all work phases (e.g. preliminary engineering, right-of-way, construction, etc.) and fees (e.g. ADOT review fees) necessary to complete the project, and
5. that performance data (e.g. ADT) or surrogate measures used to determine performance is reasonable and well documented.

The committee ranking of the project will include consideration of the following evaluation tools and measures:

1. The Congestion Mitigation Air Quality (CMAQ) cost effectiveness score of the project
2. The Congestion Management Process
3. Safety Impacts as warranted by MAG safety plans and policies
4. The Pinal County STP Tool - **please note priority will be given to the results of this tool.**

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.
4. 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.
5. 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.

Pinal County Area - STP Application

Pre Application Workshop and Open Working Group

A pre-application workshop will be held on **Tuesday, March 10, 2015 from 10:00 a.m. to 12:00 p.m.** at the MAG Offices, 302 North 1st Avenue, Suite 200 - Cottonwood Room.

Also, an Open Working Group session for member agencies to receive assistance in completing applications will be held on **Monday March 23, 2015 from 1:30 p.m. to 2:30 p.m.** at the MAG Offices, 302 North 1st Avenue, Suite 200 - Cottonwood Room.

Submittal Deadline and Transmittal Instructions

The following must be received in the MAG Offices, 302 North 1st Avenue, Suite 300, Phoenix, Arizona, 85003 **by 10:00 a.m., Monday, April 6, 2015**

1. An MS Excel copy of the completed project application
2. Two printed, signed and completed copies of the project application

Late applications will not be accepted

Contacts

For information and help in completing the application, please contact the following MAG Staff:

Stephen Tate

Phone: (602) 452-5010

STate@azmag.gov

John Bullen

Phone: (602) 254-6300

JBullen@azmag.gov

Teri Kennedy

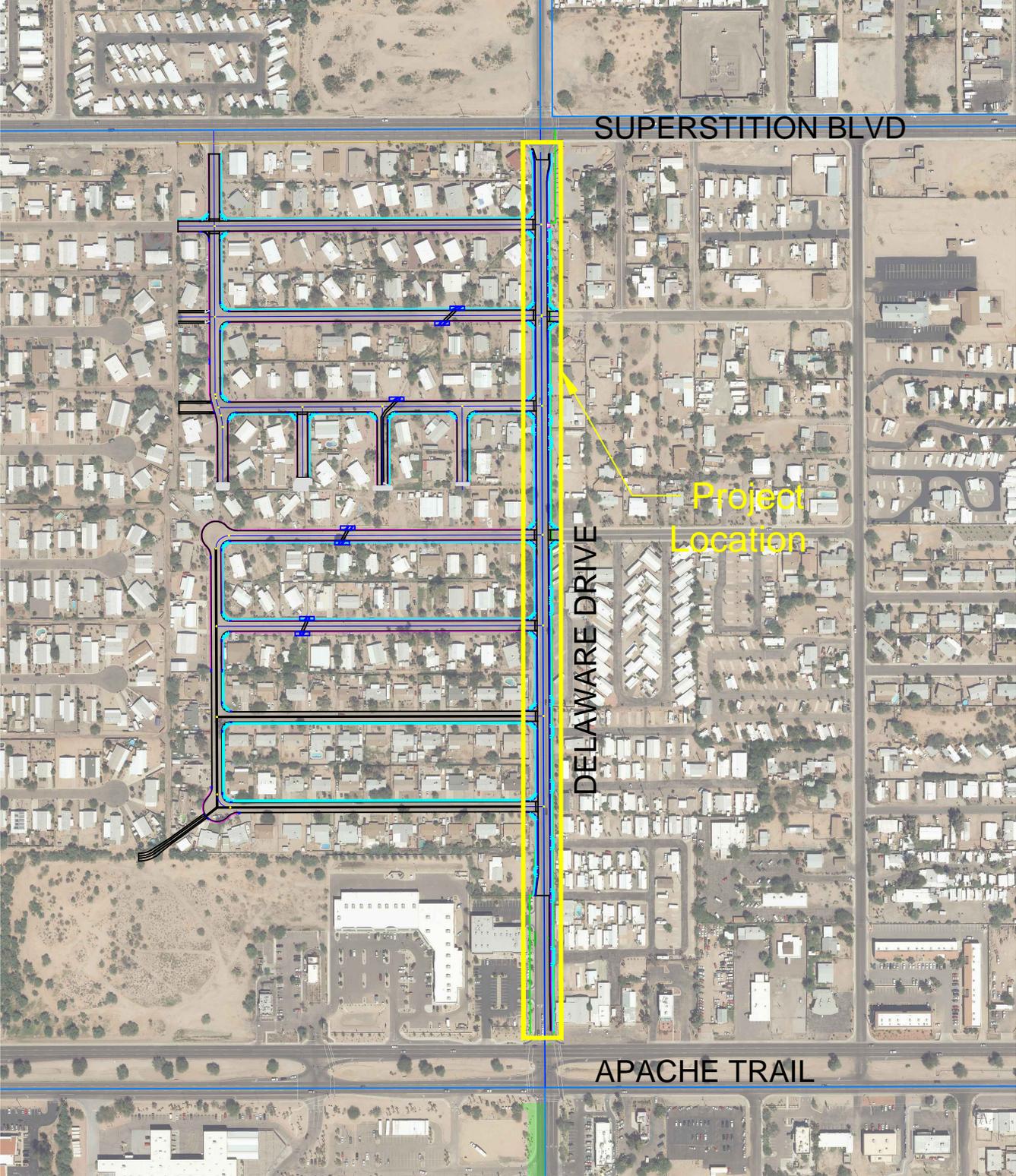
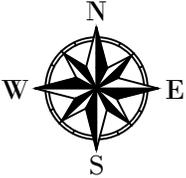
Phone: (602) 254-6300

TKennedy@azmag.gov

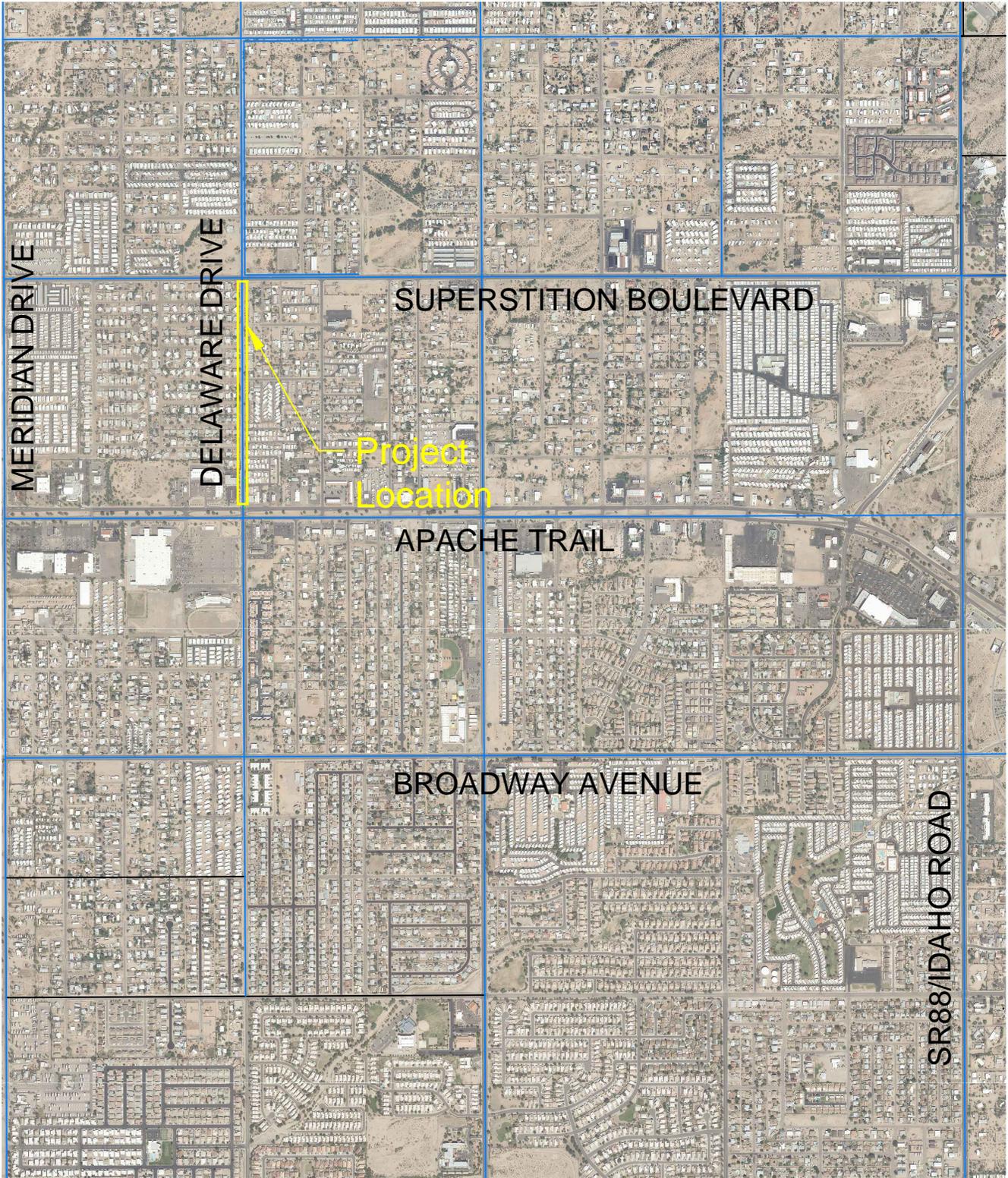
Pinal County Area - STP Application

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	Apache Junction ▼
	Other Participating Agencies	None
2. Project Location	Identify the Project Location (50 Char Limit)	Delaware Drive from Apache Trail to Superstition Boulevard
	Attach a map depicting the project.	(Attach a map depicting the project location)
	Attach a vicinity map of the project	(Attach a vicinity map showing the project location relative to the area)
3. Project Work Description	Provide a short work description (50 char limit)	Drainage and Roadway Improvements
	Overview - please describe the work to be performed, its benefits and costs	The drainage improvements will alleviate the flooding that occurs at Cholla Street and Delaware Drive. Current conditions, this intersection is one of the first wash crossings that gets closed. Also there are channels under private property and along the road that will be either minimized or eliminated. The channels along the road will no longer need the city staff to clean after each storm.
4. Proximity to the Nearest Employment and Commercial Center	Employment Center	
	Name of Nearest Employment Center	Walmart Shopping Center
	Approximate Number of Employees at the center	450
	Distance to the project	< 1 mile ▼
	Commercial Center	
	Name of Nearest Commercial Center	Walmart Shopping Center
	Approximate Square Footage of the Commercial Center	280,000
Distance to the project	< 1 mile ▼	
5. Regional Connectivity	Connectivity	<input checked="" type="checkbox"/> The project improves regional/multijurisdictional connectivity
	If the check box above is checked, briefly discuss how the project improves regional/multijurisdictional connectivity.	In the near future, the city will be installing bike lanes on Apache Trail, which is one of the city's gateway into the City of Mesa and is approximately 0.5 miles from the Delaware Drive and Apache Trail intersection. The installation of bike lanes on Delaware Drive will add to the connectivity.
6. Agency Plans	Included in Agency Plans	<input checked="" type="checkbox"/> The project project is identified in the jurisdiction General/Transportation Plan
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Pan and the role of the project in the plan.	Delaware Drive is the major collector for Pueblo Del Sol and both Haven Hollow Subdivisions. These three (3) subdivisions are on the City's CRP plan as being priority number five and eight. There is severe road distresses that need reconstruction within five years.
7. Community Involvement	Is the project a community request	<input checked="" type="checkbox"/> The project been requested through a neighborhood or community meeting or by council/board/commission outside of t
	If the check box above is checked, briefly describe the nature of the community request.	City Council gave public works permission to submit grant requests to Arizona Department of Housing for funds for both FY14 and FY15 for drainage improvements for the Pueblo Del Sol and Haven Hollow subdivision. One of the phases has been completed. The city is awaiting a notice to proceed with the second phase of nine phases which connects into Delaware Drive.

LOCATION MAP



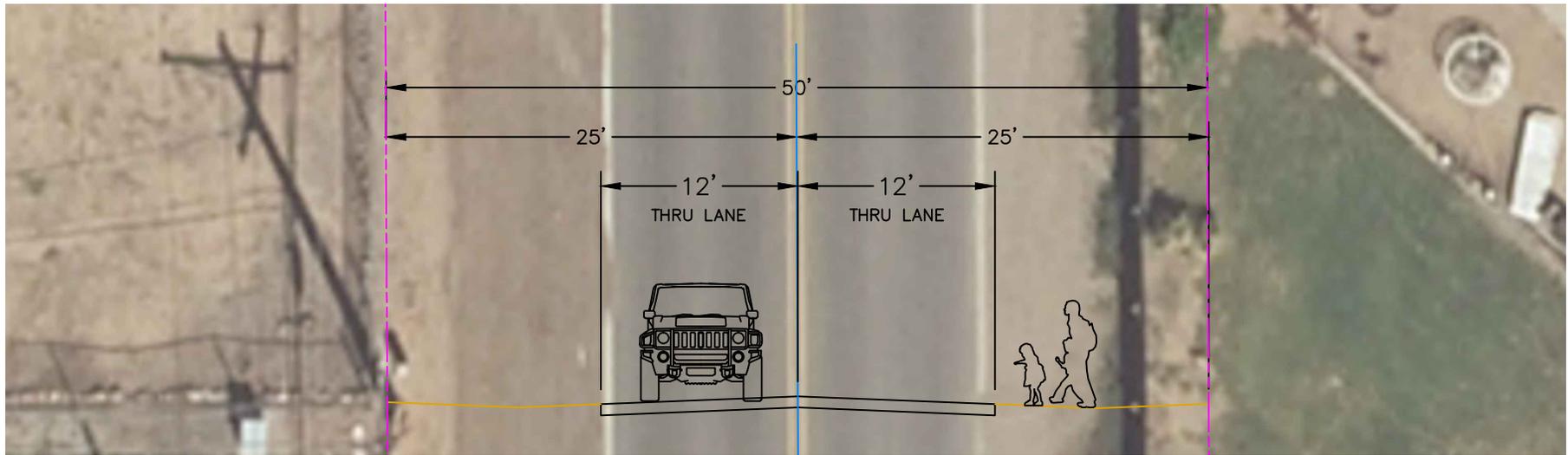
VICINITY MAP



Pinal County Area - STP Application

Roadway Segment Sheet

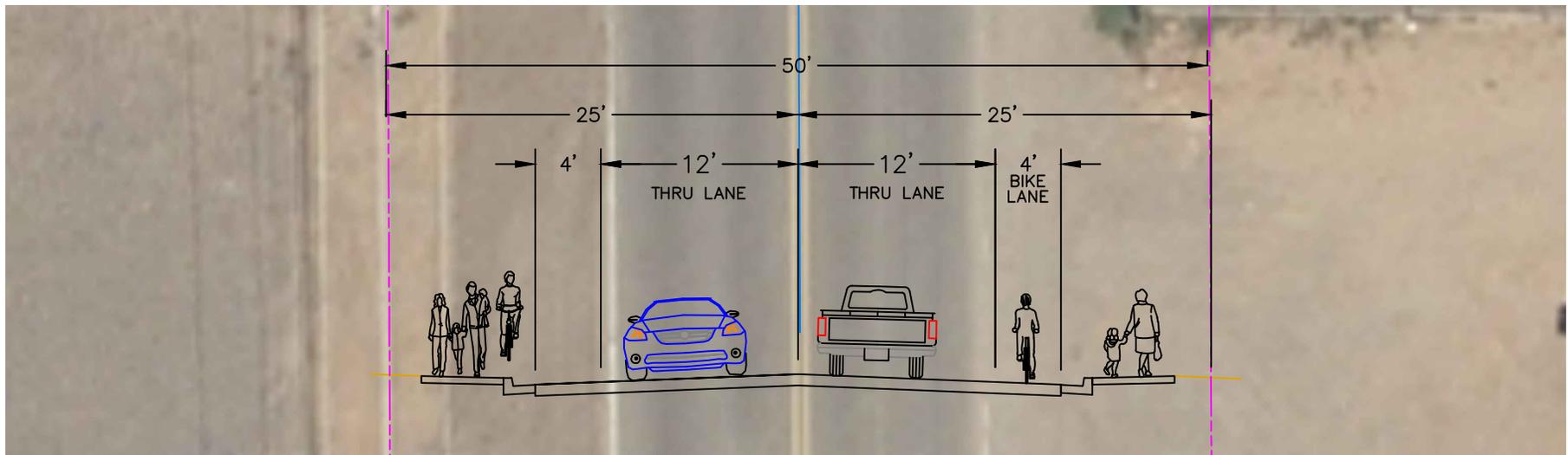
Instructions	<p>1. This sheet is required for all roadway segment and bridge projects. Please omit if the project is exclusively an intersection project.</p> <p>2. Items for #4 and #14 may be omitted for non bridge projects, all other green colored cells are required</p> <p>3. A Excel work sheet for each distinct roadway section or segment is required. To add a new worksheet to this Excel workbook file, do the following:</p> <ul style="list-style-type: none"> > 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	Delaware Drive
	Starting Limit	Apache Trail
	Ending Limit	Superstition Boulevard
	Length (to nearest 10th of a mile)	0.50
Current Roadway Characteristics		
2. Federal Functional Classification	Please select the federal functional classification of the roadway	Major Collector ▼
	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.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Attach a photo(s) of the current roadway	(Attach phot(s) of the roadway)
	Number of Through Lanes (Both directions)	1
4. Bridge Condition (Required only for bridge projects)	Bridge Sufficiency Rating (from ADOT NBI Table)	0
	Bridge Status (from ADOT NBI Table)	<input type="checkbox"/> Is Structurally Deficie <input type="checkbox"/> Is Functionally Obsol
	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..	RSL (Renewing Service Life)
	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 to 20 with 20 being the best condition
	Date of Rating	10/29/2014
	Rating	16
6. Traffic	Traffic Count Please describe how the count was collected	The city does traffic counts twice a year, winter and summer traffic counts. The population in the winter sseason doubles. The city only collects approach counts.



CURRENT TYPICAL CROSS SECTION

CURRENT CONDITIONS

- 2 - 12' VEHICLE LANES
- DRAINAGE CHANNELS
- DIRT SHOULDER



PROPOSED TYPICAL CROSS SECTION

INFRASTRUCTURE ADDITIONS

- 2 - 5' BIKE LANE
- 5' CONCRETE SIDEWALK
- CONCRETE CURB & GUTTER
- SIDEWALK RAMPS

EXISTING CONDITIONS



- Existing Ground same elevation as street
- Different types of pavement, cracking, potholes

NEW CONDITIONS



- Sidewalks
- Curb and Gutter
- Lowered Vertical Alignment

SAFETY



DRAINAGE



Pinal County Area - STP Application

Roadway Segment Sheet		
	Date of Count	1/30/2013
	AA DT	4445
	K-Factor - Percent of traffic in the peak hour	65%
	D-Factor - Percent of design hour volume flowing in the peak hour direction	65%
	Number of lanes in the Peak Hour Direction	1
	Posted Speed Limit (mph)	30
	Peak Hour Speed (mph)	40
7. Safety	Number of crashes in last 3 years by crash type.	
	Number of fatality crashes	0
	Number of incapacitating crashes	0
	Number of non incapacitating crashes	3
	Number of possible injury crashes	1
	Number of property damage only crashes	0
8. Multimodal	Multimodal characteristics (check all that apply)	<input type="checkbox"/> Roadway has transit route <input type="checkbox"/> Has striped bicycle lanes
Proposed Roadway Characteristics and Improvements		
9. Proposed Functional Classification	Please select the federal functional classification of the roadway Link to Functional Classification Maps	Major Collector <div style="border: 1px solid black; width: 100px; height: 15px; margin-top: 5px;"></div>
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Number of Through Lanes on the improved roadway (Both directions)	1
11. Access Control Improvements	Please describe access control issues and proposed improvements	Delaware Drive is a residential area and a street that is used mostly to get to Apache Trail for shopping and dining. Access to all the residential streets will be kept open and maintained.
12. Alignment Improvements	Describe horizontal alignment issues and proposed improvements	The existing horizontal alignment will be kept in place while the improvements will be added to the outside.
	Describe vertical alignment and proposed improvements	The proposed vertical alignment will be slightly lower than the existing pavement. At current conditions the road is higher than or at the same elevations as the houses. The proposed roadway improvements is designed with a 2% crown.

Safety Analysis Report

Intersection Crashes on Delaware from Apache Trail to Superstition Boulevard 2011-2013

Agency	Intersection	Year	No Injury	Possible Injury	Non-Incapacitating	Incapacitating	Fatal	Unknown
Apache Junction	SUPERSTITION BLVD & DELAWARE DR	2011	1	0	1	0	0	0
Apache Junction	SUPERSTITION BLVD & DELAWARE DR	2012	3	0	1	0	0	0
Apache Junction	SUPERSTITION BLVD & DELAWARE DR	2013	1	1	1	0	0	0

Pinal County Area - STP Application

Roadway Segment Sheet		
13. Drainage Improvements	Describe drainage issues and proposed improvements	The proposed storm drain will alleviate the flooding near Superstition Blvd that gets closed at almost every rain event. Water is currently directed from Superstition Blvd, under a landscaping company, crosses Delaware Drive to a channel under a house. Further along Delaware Drive, on the west side of the street, there are multiple hand dug channels to carry the water south to Apache Trail which shouldn't be needed with the addition of storm drain and curb & gutter to keep all the runoff in the streets.
14. Bridge improvements (Required for bridge projects only)	Describe Bridge issues and proposed Improvements	None.
15. Pavement Improvements	Proposed Pavement Type	Asphaltic Concrete <input type="text"/>
	Describe the current condition of the pavement and proposed improvements	The current condition of the pavement has cracks and starting to alligator south on Delaware Drive approaching Apache Trail.
16. Traffic Improvements	Describe traffic issues and proposed Improvements	Traffic use this roadway segment to go to walmart and other shopping places on Apache Trail. When flooding occurs, Delaware Drive is closed approximately 150' south of Superstition Blvd. Improvements to the drainage will allow Delaware Drive to remain open and water to remain in the roadway.
17. Safety Improvements	Describe safety issues and proposed Improvements	This project will provide a safe place for pedestrians and bicyclist and will eliminate the need for channels on the side of the street.
18. Multimodal Improvements	Describe multimodal issues and proposed Improvements	The proposed improvements will allow pedestrians to walk or ride their bicycles, using both sides of the street, to Apache Trail for shopping needs. The bicycle lanes will connect to the existing lanes south of Apache Trail.
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.	There are no known environmental impacts anticipated for this project.
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.	All improvements will be done within the existing right-of-way. If time allows for the final design, then the city will acquire temporary construction easements to construct driveway landings.
21. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	None. Infact, the construction of Delaware Drive will help the city acquire additional funding through Arizona Department of Housing to install sidewalk, curb & gutter, and pavement for the three subdivisions to the west of Delaware Drive. Current funding that is being used is capped at \$300,000, which is only enough to do 1.5 streets. If Delaware Drive is constructed first the city may be able to stretch the funding to 2 streets.
22. Utilities	Please describe utilities that could impact the proposed project	All electric poles are on the west side of Delaware Drive. The proposed sidewalk will be meandering so that there won't be much impact to SRP facilities except for one pole that will need to be relocated. The city is currently working with SRP on the design. There are multiple water valves that will need to be relocated, which Arizona Water Company is already aware of and working on a design. There are no conflicts with Southwest Gas. And there is two sewer crossing that the city is aware of.

Pinal County Area - STP Application

Traffic Intersection Sheet		
1. Intersection Location	Roadway Name A	0
	Roadway Name B	0
Current Intersection Characteristics		
2. Federal Functional Classification	Federal Functional Classification of Roadway A	None <input type="button" value="▼"/>
	Federal Functional Classification of Roadway B	None <input type="button" value="▼"/>
	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	0
	Roadway A	0
	Roadway B	0
5. Pavement Condition	Pavement Type	Unpaved <input type="button" value="▼"/>
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	0
	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.	0
	Date of Rating	0
	Rating	0
6. Traffic	Traffic Volume in the Peak Hour by approach	
	Approach 1 traffic volume	0
	Approach 2 traffic volume	0
	Approach 3 traffic volume	0
	Approach 4 traffic volume	0

Pinal County Area - STP Application

Traffic Intersection Sheet		
7. Safety	Number of crashes in last 3 years by crash type.	
	Number of fatality crashes	0
	Number of incapacitating crashes	0
	Number of non incapacitating crashes	0
	Number of possible injury crashes	0
	Number of property damage only crashes	0
8. Multimodal	Multimodal characteristics (check all that apply)	<input type="checkbox"/> Roadway has transit route <input type="checkbox"/> Has striped bicycle lanes
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	0
12. Pavement Improvements	Proposed Pavement Type	Unpaved ▼
	Describe pavement issues and proposed Improvements	0
13. Traffic Improvements	Traffic Congestion	<input type="checkbox"/> Proposed improvements improve traffic throughput in the intersection
	Describe traffic issues and proposed Improvements	0
14. Safety Improvements	Safety Impacts	<input type="checkbox"/> Proposed improvements address safety issues at a current intersection
	Describe safety issues and proposed Improvements	0
15. Multimodal Improvements	Describe multimodal issues and proposed Improvements	0

Pinal County Area - STP Application

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.	0	
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.	0	
18. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	0	
19. Utilities	Please describe utilities that could impact the proposed project	0	

MAG PINAL AREA STP PROJECTS COST ESTIMATE WORKSHEET (Optional)

MAG PINAL AREA STP PROJECTS COST ESTIMATE WORKSHEET (Optional)								
Instructions	1. All items are optional 2. Please select "Yes" if the item will be programmed in a federally funded work phase							
	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	PROGRAMMED WITH FEDERAL FUNDS	FEDERAL SHARE	LOCAL SHARE
PRELIMINARY ENGINEERING	Topographic Survey	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Design Concept Report (DCR)	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Federal Project Environmental Determination	LS	0	\$ -	\$ -	No	\$ -	\$ -
	HAZMAT Assessment	LS	0	\$ -	\$ -	No	\$ -	\$ -
	SUBTOTAL – PRELIMINARY ENGINEERING COSTS					\$ -		\$ -
FINAL DESIGN	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 60,000.00	\$ 60,000.00	No	\$ -	\$ 60,000.00
	Geotechnical Report	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Drainage Report	LS	0	\$ -	\$ -	No	\$ -	\$ -
	SWPPP	LS	0	\$ -	\$ -	No	\$ -	\$ -
	SUBTOTAL – FINAL DESIGN COSTS					\$ 60,000.00		\$ -
RIGHT OF WAY	Appasials and Title Reports	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Road Right of Way	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Temporary Construction Easements	LS	1	\$ 1,500.00	\$ 1,500.00	No	\$ -	\$ 1,500.00
	Drainage Easement	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Utility Easements/Right of Way	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Aerial Electrical Easement	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Sign Relocations	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Relocation Expenses	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Site Environmental Assessments	EA	0	\$ -	\$ -	No	\$ -	\$ -
	Building Demolotion	EA	0	\$ -	\$ -	No	\$ -	\$ -
	Other Right of Way Expenses	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Other Right of Way Expenses	LS	0	\$ -	\$ -	No	\$ -	\$ -
	Other Right of Way Expenses	EA	0	\$ -	\$ -	No	\$ -	\$ -
SUBTOTAL – RIGHT OF WAY COSTS					\$ 1,500.00		\$ -	\$ 1,500.00
UTILITY RELOCATIONS	Relocate 69 kv (+) Poles	EA	0		\$ -	No	\$ -	\$ -
	Relocate/Underground 12 kv lines	LF	0		\$ -	No	\$ -	\$ -
	Relocate/Underground Irrigation Canal	LF	0		\$ -	No	\$ -	\$ -
	SWG Relocations	LS	0		\$ -	No	\$ -	\$ -
	Telephone/Cable TV Relocations	LS	0		\$ -	No	\$ -	\$ -
	Upgrade Railroad Crossings	LS	0		\$ -	No	\$ -	\$ -
	Other Utilities	LS	0		\$ -	No	\$ -	\$ -
	Other Utilities	LS	0		\$ -	No	\$ -	\$ -
SUBTOTAL – UTILITY RELOCATION COSTS					\$ -		\$ -	\$ -
CONSTRUCTION	Contractor Mobilization (8%)	LS	1	\$ 79,500.00	\$ 79,500.00	Yes	\$ 74,968.50	\$ 4,531.50
	HAZMAT Abatement	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
	Construction Survey and Layout (3%)	LS	1	\$ 30,000.00	\$ 30,000.00	Yes	\$ 28,290.00	\$ 1,710.00
	Tempoary Traffic Control (8%)	LS	1	\$ 79,500.00	\$ 79,500.00	Yes	\$ 74,968.50	\$ 4,531.50
	Remove Existing Improvements	LS	1	\$ 5,000.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
	Remove Curb and Gutter	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
	Remove Pavement	SY	5,750	\$ 5.00	\$ 28,750.00	Yes	\$ 27,111.25	\$ 1,638.75

Remove Driveway	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Remove Concrete Sidewalks, Slabs	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
General Excavation	LS	1	\$ 5,000.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
Drainage Excavation	LS	1	\$ 5,000.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
Backfill/Borrow Material	LS	1	\$ 5,000.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
AC Pavement including ABC Base	SY	9,400	\$ 40.00	\$ 376,000.00	Yes	\$ 354,568.00	\$ 21,432.00
Concrete Pavement including ABC Base	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
AC Mill and Overlay	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
Curb and Gutter	LF	5,280	\$ 15.00	\$ 79,200.00	Yes	\$ 74,685.60	\$ 4,514.40
Aggregate Base	SY	0	\$ 30.00	\$ -	Yes	\$ -	\$ -
Concrete Driveways	SF	2,800	\$ 5.00	\$ 14,000.00	Yes	\$ 13,202.00	\$ 798.00
Colored Concrete	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Concrete Pavers	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Stamped Asphalt	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Stamped Concrete	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Concrete Sidewalk	SF	26,400	\$ 4.00	\$ 105,600.00	Yes	\$ 99,580.80	\$ 6,019.20
Pedestrian ADA Ramps	EA	14	\$ 1,500.00	\$ 21,000.00	Yes	\$ 19,803.00	\$ 1,197.00
Bus Bay	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Bus Shelters	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation Pipeline	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation Canal relocation	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation Canal Culvert/Bridge Crossing	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Decorative Screen Walls	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Retaining Wall	SF	0	\$ -	\$ -	Yes	\$ -	\$ -
Electrical Service Connection	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Joint Trench Conduit, including City Spare	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Traffic Signal Intertie	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Traffic Signal	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Temporary Traffic Signal	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Traffic Signage and Markings	LS	1	\$ 35,000.00	\$ 35,000.00	Yes	\$ 33,005.00	\$ 1,995.00
Street Lighting including conduit and trenching	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Pedestrian Lighting including conduit and trenching	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Handrail	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Utility Protection and Adjustments	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
Adjust Water Valve	EA	8	\$ 400.00	\$ 3,200.00	Yes	\$ 3,017.60	\$ 182.40
Relocate Fire Hydrant	EA	2	\$ 2,500.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
Adjust Manholes	EA	20	\$ 400.00	\$ 8,000.00	Yes	\$ 7,544.00	\$ 456.00
Drainage Catchbasins and Scuppers	EA	4	\$ 4,000.00	\$ 16,000.00	Yes	\$ 15,088.00	\$ 912.00
Storm Drain 48"	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Storm Drain 36"	LF	2,000	\$ 80.00	\$ 160,000.00	Yes	\$ 150,880.00	\$ 9,120.00
Storm Drain 24"	LF	30	\$ 60.00	\$ 1,800.00	Yes	\$ 1,697.40	\$ 102.60
Storm Drain 18"	LF	15	\$ 50.00	\$ 750.00	Yes	\$ 707.25	\$ 42.75
New Waterline 8"	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
New Waterline 12"	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
New Waterline 16"	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
New Sanitary Sewer 8"	LF	330	\$ 85.00	\$ 28,050.00	Yes	\$ 26,451.15	\$ 1,598.85
New Sanitary Sewer 12"	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Trees (36" box)	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Tree Grates	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Trees (24" box)	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Shrubs (5 gallon)	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Shrubs (1 gallon)	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Cactus (5 gallon)	EA	0	\$ -	\$ -	Yes	\$ -	\$ -

Decomposed Granite	SY	1,200	\$ 3.00	\$ 3,600.00	Yes	\$ 3,394.80	\$ 205.20
Topsoil	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
Seeding	Acre	0	\$ -	\$ -	Yes	\$ -	\$ -
Sod	SY	0	\$ -	\$ -	Yes	\$ -	\$ -
Boulders	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation System - Drip	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation System - Turf	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
Irrigation Booster Pump	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Landscape Header Curb	LF	0	\$ -	\$ -	Yes	\$ -	\$ -
Landscape Establishment	LS	0	\$ -	\$ -	Yes	\$ -	\$ -
Benches/Seatwalls	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Bike Racks	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Trash Receptacles	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Drinking Fountains	EA	0	\$ -	\$ -	Yes	\$ -	\$ -
Thickened Edge	LF	56	\$ 15.00	\$ 840.00	Yes	\$ 792.12	\$ 47.88
Survey Monument	EA	8	\$ 200.00	\$ 1,600.00	Yes	\$ 1,508.80	\$ 91.20
Curb Transition	EA	14	\$ 250.00	\$ 3,500.00	Yes	\$ 3,300.50	\$ 199.50
Concrete Valley Gutter	SF	4,120	\$ 10.00	\$ 41,200.00	Yes	\$ 38,851.60	\$ 2,348.40
Storm Drain Manhole	EA	7	\$ 3,500.00	\$ 24,500.00	Yes	\$ 23,103.50	\$ 1,396.50
Fiber Reinforced Concrete	SY	20	\$ 60.00	\$ 1,200.00	Yes	\$ 1,131.60	\$ 68.40
Riprap	CY	0	\$ -	\$ -	Yes	\$ -	\$ -
Sawcut	LF	750	\$ 5.00	\$ 3,750.00	Yes	\$ 3,536.25	\$ 213.75
Quality Control (3%)	LS	1	\$ 30,000.00	\$ 30,000.00	Yes	\$ 28,290.00	\$ 1,710.00
Erosion (1%)	LS	1	\$ 10,000.00	\$ 10,000.00	Yes	\$ 9,430.00	\$ 570.00
Place for entering an additional item #11				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #12				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #13				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #14				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #15				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #16				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #17				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #18				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #19				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #20				\$ -	Yes	\$ -	\$ -
SUBTOTAL - CONSTRUCTION COST				\$ 1,221,540.00		\$ 1,151,912.22	\$ 69,627.78
CONTINGENCY			10%	\$ 122,154.00	Yes	\$ 115,191.22	\$ 6,962.78
ADOTCONSTRUCTION			15%	\$ 183,231.00	Yes	\$ 172,786.83	\$ 10,444.17
SUBTOTAL - CONSTRUCTION COST				\$ 1,526,925.00		\$ 1,439,890.28	\$ 87,034.72
SUMMARY	PRELIMINARY ENGINEERING			\$ -	NA	\$ -	\$ -
	FINAL DESIGN - Stages II, III, IV and PS&E			\$ 60,000.00	NA	\$ -	\$ 60,000.00
	RIGHT OF WAY ACQUISITION			\$ 1,500.00	NA	\$ -	\$ 1,500.00
	UTILITY RELOCATIONS			\$ -	NA	\$ -	\$ -
	CONSTRUCTION (Including ADOT Construction Administration)			\$ 1,526,925.00	NA	\$ 1,439,890.28	\$ 87,034.72
	SUBTOTAL - PROJECT COST			\$ 1,588,425.00	NA	\$ 1,439,890.28	\$ 148,534.73
	ADOT REVIEW FEES (The higher amount of 3% of Project Cost or \$30,000)			\$ -	No	\$ -	\$ -
	PROJECT TOALS (Including ADOT Review Fees)			\$ 1,588,425.00	NA	\$ 1,439,890.28	\$ 148,534.73

Pinal County Area - STP Application

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	60,000	Design is complete, costs are needed for clearances (environmental, right-of-way, and utility), to convert plans into ADOT format, and for ADOT review fees.
	Right of way	1,500	Costs for temporary construction easements
	Construction	1,526,925	
	Total Cost w/o ADOT Review Fee	1,588,425	
	ADOT Review Fee	47,653	Assumes the ADOT design fee is 3 percent of project cost or \$30,0000, which ever is the higher amount.
	Total Cost	3,224,503	

2. Agency CIP	Please describe the agency programming in its CIP
---------------	---

3. Proposed Programming	Work Phase	Year to be Programmed/1	Funding Source	Federal Amount/2	Local Amount	Total	Share/3
	Construction ▼	2018 ▼	STP-MAG ▼	1,574,578	89,751	1664329	5%
	None ▼	None ▼	None ▼	-	-	0	0%
	None ▼	None ▼	None ▼	-	-	0	0%
	None ▼	None ▼	None ▼	-	-	0	0%
	None ▼	None ▼	None ▼	-	-	0	0%
	Total			1574578	89751	1664329	
	Notes:		1. Federal funds are available only for 2016, 2017, 2018 and 2019.	2. Approx. \$5.7 million is available over the period.			3. The minimum local share is 5.7%

Pinal County Area - STP Application

Signature: To be signed with printed hard copy that is sent to MAG

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.

Signature:

Emile Schmid

Name:

Emile Schmid, P.E.

Title:

City Engineer

Date:

04/02/2015

Pinal County Area - STP Application

Checklist (Optional)		
Instructions	1. This page must be submitted with the printed copy of the application 2. It must be signed by the jurisdiction's manager/administrator or designated representative 3. The checklist at the bottom of the sheet is optional	
Category	Data Item	Item Enter (Yes/No)
Project Page		
1. Project Sponsorship	Project Sponsor Name	Yes
	Other Participating Agencies	No
2. Project Location	Identify the Project Location (50 Char Limit)	Yes
	Attach a map depicting the project.	Yes
	Attach a vicinity map of the project	Yes
3. Project Work Description	Provide a short work description (50 char limit)	Yes
	Overview - please describe the work to be performed, its benefits and costs	Yes
4. Proximity to the Nearest Employment and Commercial Center	Employment Center	Yes
	Name of Nearest Employment Center	Yes
	Approximate Number of Employees at the center	Yes
	Distance to the project	Yes
	Commercial Center	Yes
	Name of Nearest Commercial Center	Yes
	Approximate Square Footage of the Commercial Center	Yes
5. Regional Connectivity	Connectivity	Yes
	If the check box above is checked, briefly discuss how the project improves regional/multijurisdictional connectivity.	Yes
6. Agency Plans	Included in Agency Plans	Yes
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Plan and the role of the project in the plan.	Yes
7. Community Involvement	Is the project a community request	Yes
Roadway Page(s) - Check all roadway pages submitted for funding		
1. Roadway Location	Roadway Name	Yes
	Starting Limit	Yes
	Ending Limit	Yes
	Length (to nearest 10th of a mile)	Yes
2. Federal Functional Classification	Please select the federal functional classification of the roadway	Yes
3. Current Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	Yes
	Attach a photo(s) of the current roadway	Yes
	Number of Through Lanes (Both directions)	Yes
4. Bridge Condition (Required only for bridge projects)	Bridge Sufficiency Rating (from ADOT NBI Table)	No
	Bridge Status (from ADOT NBI Table)	No
5. Pavement Condition	Pavement Type	Yes
	Pavement Rating	Yes
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	Yes
	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.	Yes
	Date of Rating	Yes
6. Traffic	Rating	Yes
	Traffic Count	Yes
	Please describe how the count was collected	Yes
	Date of Count	Yes
	AADT	Yes
	K-Factor - Percent of traffic in the peak hour	Yes
	D-Factor - Percent of design hour volume flowing in the peak hour direction	Yes
Number of lanes in the Peak Hour Direction	Yes	
7. Safety	Posted Speed Limit (mph)	Yes
	Peak Hour Speed (mph)	Yes
	Number of crashes in last 3 years by crash type.	Yes
	Number of fatality crashes	Yes
	Number of incapacitating crashes	Yes
	Number of non incapacitating crashes	Yes
8. Multimodal	Number of possible injury crashes	Yes
	Number of property damage only crashes	Yes
8. Multimodal	Multimodal characteristics (check all that apply)	No

Pinal County Area - STP Application

Checklist (Optional)

9. Proposed Functional Classification	Please select the federal functional classification of the roadway	Yes
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	Yes
	Number of Through Lanes on the improved roadway (Both directions)	Yes
11. Access Control Improvements	Please describe access control issues and proposed improvements	Yes
12. Alignment Improvements	Describe horizontal alignment issues and proposed improvements	Yes
	Describe vertical alignment and proposed improvements	Yes
13. Drainage Improvements	Describe drainage issues and proposed improvements	Yes
14. Bridge improvements (Required for bridge projects only)	Describe Bridge issues and proposed Improvements	No
15. Pavement Improvements	Proposed Pavement Type	Yes
	Describe the current condition of the pavement and proposed improvements	Yes
16. Traffic Improvements	Describe traffic issues and proposed Improvements	Yes
17. Safety Improvements	Describe safety issues and proposed Improvements	Yes
18. Multimodal Improvements	Describe multimodal issues and proposed Improvements	Yes
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.	Yes
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.	Yes
21. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	Yes
22. Utilities	Please describe utilities that could impact the proposed project	Yes
Intersection Page(s) - Check all intersection pages submitted for funding		
1. Intersection Location	Roadway Name A	No
	Roadway Name B	No
2. Federal Functional Classification	Federal Functional Classification of Roadway A	No
	Federal Functional Classification of Roadway B	No
	Link to Functional Classification Maps	No
4. Current Intersection Configuration	Attach an intersection diagram	No
	Attach a photo(s) of the current intersection	No
	Number of through lanes	No
	Roadway A	No
	Roadway B	No
5. Pavement Condition	Pavement Type	No
	Pavement Rating	No
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	No
	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.	No
	Date of Rating	No
	Rating	No
6. Traffic	Traffic Volume in the Peak Hour by approach	No
	Approach 1 traffic volume	No
	Approach 2 traffic volume	No
	Approach 3 traffic volume	No
	Approach 4 traffic volume	No
7. Safety	Number of crashes in last 3 years by crash type.	No
	Number of fatality crashes	No
	Number of incapacitating crashes	No
	Number of non incapacitating crashes	No
	Number of possible injury crashes	No
	Number of property damage only crashes	No
8. Multimodal	Multimodal characteristics (check all that apply)	No
9. Federal Functional Classification	Federal Functional Classification of Roadway A	No
	Federal Functional Classification of Roadway B	No
	Link to Functional Classification Maps	No
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	No
11. Access Control Improvements	Please describe access control issues and proposed improvements	No
12. Pavement Improvements	Proposed Pavement Type	No
	Describe pavement issues and proposed Improvements	No

Pinal County Area - STP Application

Checklist (Optional)

13. Traffic Improvements	Traffic Congestion	No
	Describe traffic issues and proposed Improvements	No
14. Safety Improvements	Safety Impacts	No
	Describe safety issues and proposed Improvements	No
15. Multimodal Improvements	Describe multimodal issues and proposed Improvements	No
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.	No
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.	No
18. Development Activity	Please describe planned and ongoing development activity that could impact the proposed project	No
19. Utilities	Please describe utilities that could impact the proposed project	No
Budget Page		
1. Project Budget	Preliminary Engineering and Final Design	Yes
	Right of way	Yes
	Construction	Yes
2. Agency CIP	Please describe the agency programming in its CIP	Yes
3. Proposed Programming	Work Phase	Yes
	Year to be Programmed	Yes
	Funding Source	Yes
	Federal Amount	Yes
	Local Amount	Yes
	Work Phase	No
	Year to be Programmed	No
	Funding Source	No
	Federal Amount	No
	Local Amount	No
	Work Phase	No
	Year to be Programmed	No
	Funding Source	No
	Federal Amount	No
	Local Amount	No
	Work Phase	No
	Year to be Programmed	No
	Funding Source	No
	Federal Amount	No
	Local Amount	No
Signature Area	Signature	Yes
	Name	Yes
	Title	Yes
	Date	Yes