

Call for Projects Workshop

MAG FY2020-2024 TIP

August 6, 2019

Teri Kennedy, MAG Transportation Improvement Program Manager

Steve Tate, MAG Planner III

Today's Agenda

1. General Information & Schedule (Teri)
2. FAST Act
3. Federal Aid Funding
4. Schedule and Types of Programs with Evaluation Criteria
5. Applications, GIS, and Transmittal (Steve)
6. ADOT Overview: Federal-aid Process (Mark and Jennifer)
7. Breakout Sessions (all staff)

Today's Agenda: Breakout Sessions

- 2:15-3:00 pm:
 - Chaparral: Bike/Ped, Jason Stephens
 - Cholla: SM+O, Dr. Jeff Jenq and Eric Nava
 - Palo Verde: Pinal Co Arterial-Bridge, Samantha Samples
 - Saguaro: Sweepers and Paving , Dean Giles, Steve Tate, Mark Henige, Jennifer Henderson



U.S. Department of Transportation
Federal Highway Administration

FAST Act

<http://www.fhwa.dot.gov/fastact/>

- December 4, 2015, President Obama signed the Fixing America's Surface Transportation (FAST) Act (Pub. L. No. 114-94) into law.
- The first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment (through 2020).
- Continues the **Congestion Mitigation and Air Quality Improvement Program (CMAQ)** and **converts the long-standing Surface Transportation Program (STP) into the Surface Transportation *Block Grant* Program (STBGP)**; that includes a set-aside of STBGP funding for Transportation Alternatives activities.



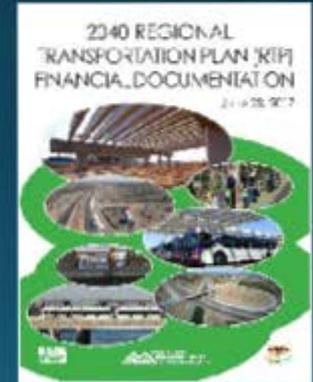
Types of Funding

- Congestion Mitigation And Air Quality Improvement Program (CMAQ) & CMAQ 2.5
 - Surface Transportation Block Grant Program
 - Transportation Alternatives (TA).*
- Match requirements continue at: 5.7% local, with 94.3% federal.

*MAG programs in August infrastructure. SRTS and Safety programs anticipated in October 2019.

CMAQ

- Provides funding to States for transportation projects **designed to improve air quality and reduce traffic congestion**, particularly in areas of the country that do not attain national air quality standards.
- The RTP provides a balanced distribution of funding for each eligible mode.
- Projects that use CMAQ funding include Bicycle-Pedestrian, PM-10 Paving, PM-10 Certified Street Sweepers, and PM-2.5 Paving.



TA-MAG: Bike/Ped Infrastructure

Transportation Alternatives MAG Regional Goals:

1. Improve pedestrian and bicyclist accessibility and connectivity on the transportation network.
 2. Assist in providing a safe environment for the bicyclists and pedestrians on both the on-street and the off-street transportation networks.
 3. Make bicycling and walking to K-8 schools a safer and more desirable transportation alternative to motorized vehicles.
- Projects that use TA-MAG funding include Bicycle-Pedestrian-Trails infrastructure projects.

STBGP -MAG

MAG Regional Goals for Pinal County STBGP:

1. Expand capacity on existing roadways or intersections of high demand
 2. Maintain and preserve the region's transportation system
 3. Address safety concerns in the existing roadway/intersection conditions
 4. Promote connectivity between high demand/capacity roadways and activity centers to advance economic viability
 5. Maintain consistency with stated jurisdictional policy
 6. Achieve a significant reduction in congestion on the region's transportation system.
- Projects that use STBGP funding in Pinal County include arterial roadway expansion-improvement, and bridges.

Funding: Federal Aid

7/20/2018

Table 4C

Funding Summary: 2019 Call For Projects*

FHWA Sub Allocated Federal Aid

Program Levels By Mode and FHWA Funding Program. In YOY U.S. millions \$.

	STBGP-MAG - With OA applied				CMAQ Breakout - with OA applied							Specific Programs - OA applied			Grand Total For Programming	
	Pinal Co. Arterial-Bridge	Systems Management + Ops ²	RRSIP**	Arterial - ALCP	Total STBGP	Systems Management + Ops ²	Arterial - ALCP	Transfer to Transit	Bicycle/ Ped.	Air Quality PM-10 Sweepers	Air Quality PM-10 Paving	Total CMAQ	CMAQ 2.5 Paving	Transportation Alternatives Urban & Non-Urban SRTS		Transportation Alternatives Urban & NU Infrastructure
2020		1.00			1.00	13.86				1.54		15.39				16.39
2021		1.00			1.00	15.00						15.00				16.00
2022		1.00			1.00	15.54						15.54				16.54
2023	1.68				1.68				11.34		7.00	11.34	.98		5.90	19.91
2024	1.47				1.47				9.91		5.50	9.91	.86		5.17	17.40
	3.15	3.00	.00		6.15	44.40			21.25	1.54	12.50	67.19	1.85		11.07	86.24

*Includes special one-time allocation of Highway Improvement Program (HIP) funding for years 2018, 2019, 2020. Redistributed for Call For Projects

**New program area, pending Regional Council approval.

² Systems Management and Operations (SM+O) programming is ongoing during FY2019-20. Total yearly amounts are displayed.

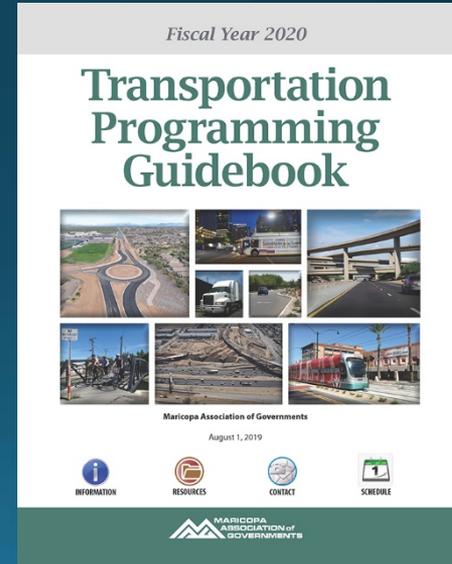
Denotes previously programmed or no funding included during this Call For Projects. Overall revenue detail is included in the 2020 Programming Guidebook for the full 2020-2024 TIP.

Will be programmed by the Life Cycle programming process. See the Programming Guidebook for general schedule information.

Note: Funding is subject to substantial change.

More information on Funding

- The **MAG Transportation Programming Guidebook** contains information on all of the transportation programs in the MAG region.
- Available at: https://www.azmag.gov/Portals/0/Documents-Ext/TIP/Project_Guidebook_FY2020_FINAL.pdf



Website: <https://www.azmag.gov/Programs/Transportation/Programming-and-Finance/Transportation-Improvement-Program-TIP/TIP-Modal-Applications>

The screenshot shows the website for the Maricopa Association of Governments. The header includes the logo, navigation links (HOME, ABOUT US, COMMITTEES, PROGRAMS, NEWSROOM, JOBS / RFPs & RFQS), and social media icons. The breadcrumb trail reads: Programs / Transportation / Programming and Finance / Transportation Improvement Program (TIP) / TIP Modal Applications. The main heading is "TIP Modal Applications". Below this is a large red banner with the text "Call for Projects for FHWA Funding". The banner features four images: a cover of the "Transportation Programming Guidebook", a modern transit station interior, a person riding a bicycle on a path, and construction workers on a road project.

August, 2019

MAG is pleased to announce a call for projects for Federal Highway Administration sub-allocated funding allocated as Congestion Mitigation and Air Quality Improvement Program (CMAQ-3.5), Congestion Mitigation and Air Quality Improvement Program (CMAQ), Transportation Alternatives (TA-MAC), and Surface Transportation Block Grant Program (STRIP-MAC). Total funding available is estimated at \$66.24 million. Eligible region-wide project types include Bicycle-Pedestrian infrastructure projects, Paving of Unpaved Road projects, Pinal County Arterial-Bridge projects, Systems Management and Operations (SM/O), and PM-10 Certified Street Sweepers.

Supporting Documents

- [Memo: General Call for Projects: Notice of Funding 8-1-2019 - PDF](#)
- [Programming Schedule - PDF](#)

Schedule

- August 1, 2019 Issue Call For Projects
- August 6, 2019 Federal Fund Project Application Workshop
- August 13, 2019 Application Open Working Group
- August 27, 2019 Application Open Working Group
- September 16, 2019 10:00 a.m. Due Date Federal Fund Project Applications. New applications are not accepted after 10:00 A.M.
- September 29, 2019 All applications received are posted to website.
- October: Modal Committee review.

Call For Projects

Project Types: Arterial and Bridge

- Projects limited to the MAG planning area within Pinal County, in FY 2023 - \$1.68, and in FY 2024 - \$ 1.47 in federal **STBGP** funds (Design and Construction)



Call For Projects

Project Types: Bicycle and Pedestrian

- Projects in FYs 2023 and 2024- \$11.34 and \$9.91 million each year respectively in federal **CMAQ** funds
- **Bicycle and Pedestrian** projects in FYs 2023 and 2024- \$5.90 and \$5.17 million each year respectively in federal **TA-MAG** funds



Call For Projects



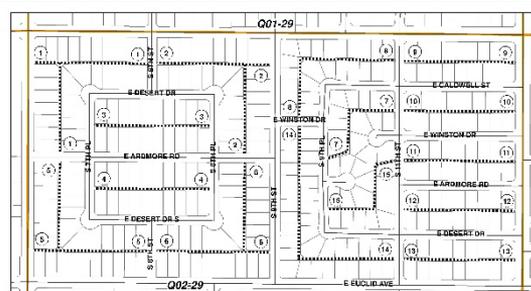
Project Types: **Systems Management and Operations**

- FY 2020 - \$13.86 million,
FY 2021 - \$15.00 million,
FY 2022 - \$15.54 million in federal CMAQ funds.
- Integrated Corridors
- Regional Priority Arterials
- Local Priorities
- *Surface Transportation Block Grant funding: Regional Operations (limited to ADOT DPS officer operations)*

Call For Projects

Project Types: **Paving of Unpaved Roads**

- FY 2023 - \$7.00 million, in federal CMAQ funds.
FY 2024 - \$5.50 million, in federal CMAQ funds.
- FY 2023 - \$0.98 million in federal CMAQ funds PM-2.5 funds.
FY 2024 - \$0.86 million in federal CMAQ funds PM-2.5 funds.



Call For Projects

Project Types: **PM-10 Certified Street Sweepers**

- **PM-10 Certified Street Sweepers** in FY 2020 - \$1.54 million in federal CMAQ funds.



Eligibility of Projects

CMAQ eligible project area for each program has limitations

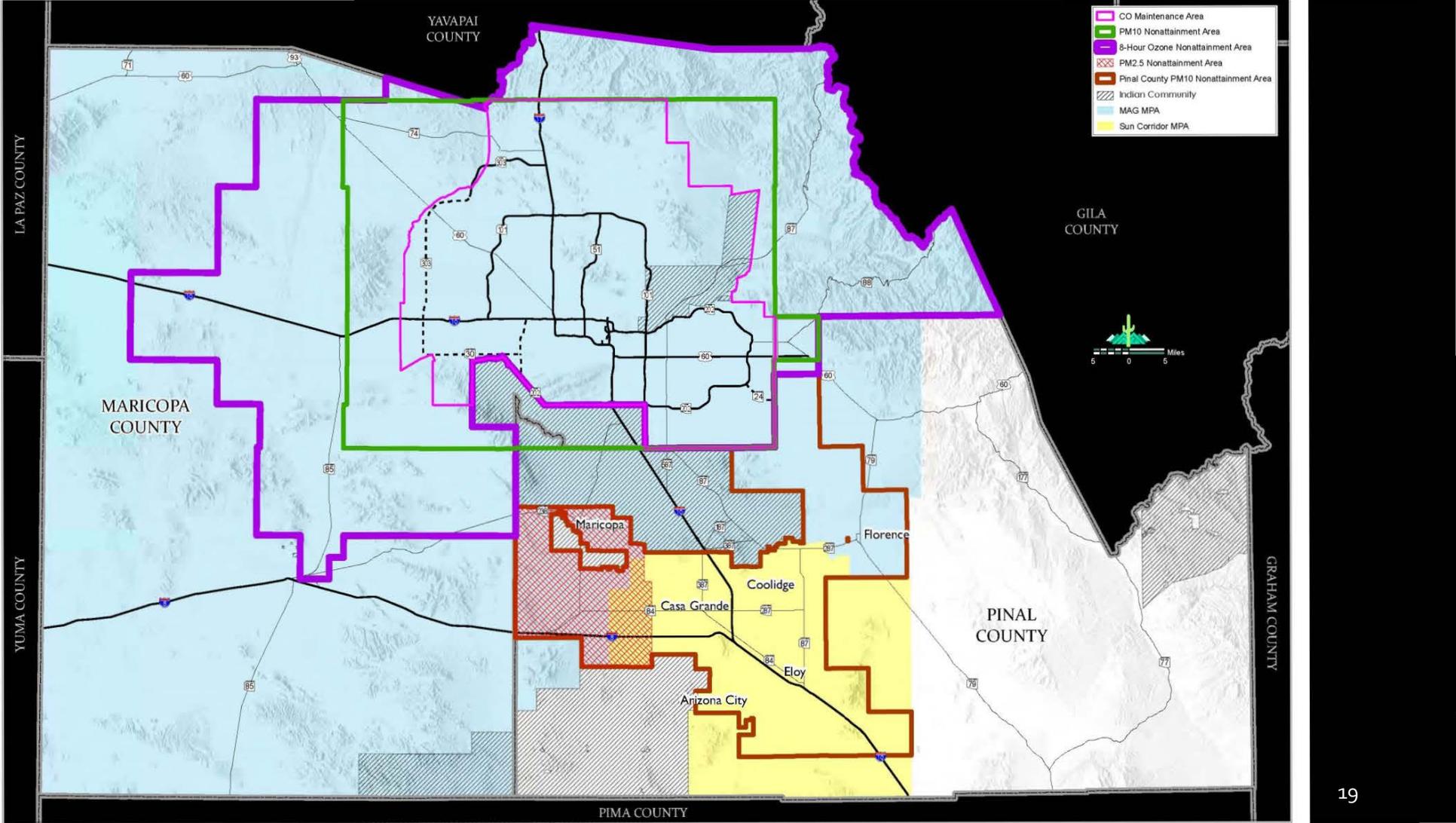
- PM-10 Street Sweepers and PM-10 Paving: PM-10 nonattainment area in the MAG planning region, and applicant must be a member of MAG.
- PM-2.5 Paving: PM-2.5 nonattainment area in Pinal County, and applicant must be a member of MAG.
- Bike/Ped projects 8 hour ozone area in the MAG planning region, and applicant must be a member of MAG.

Transportation Alternatives infrastructure eligible project area: Bike/Ped projects.

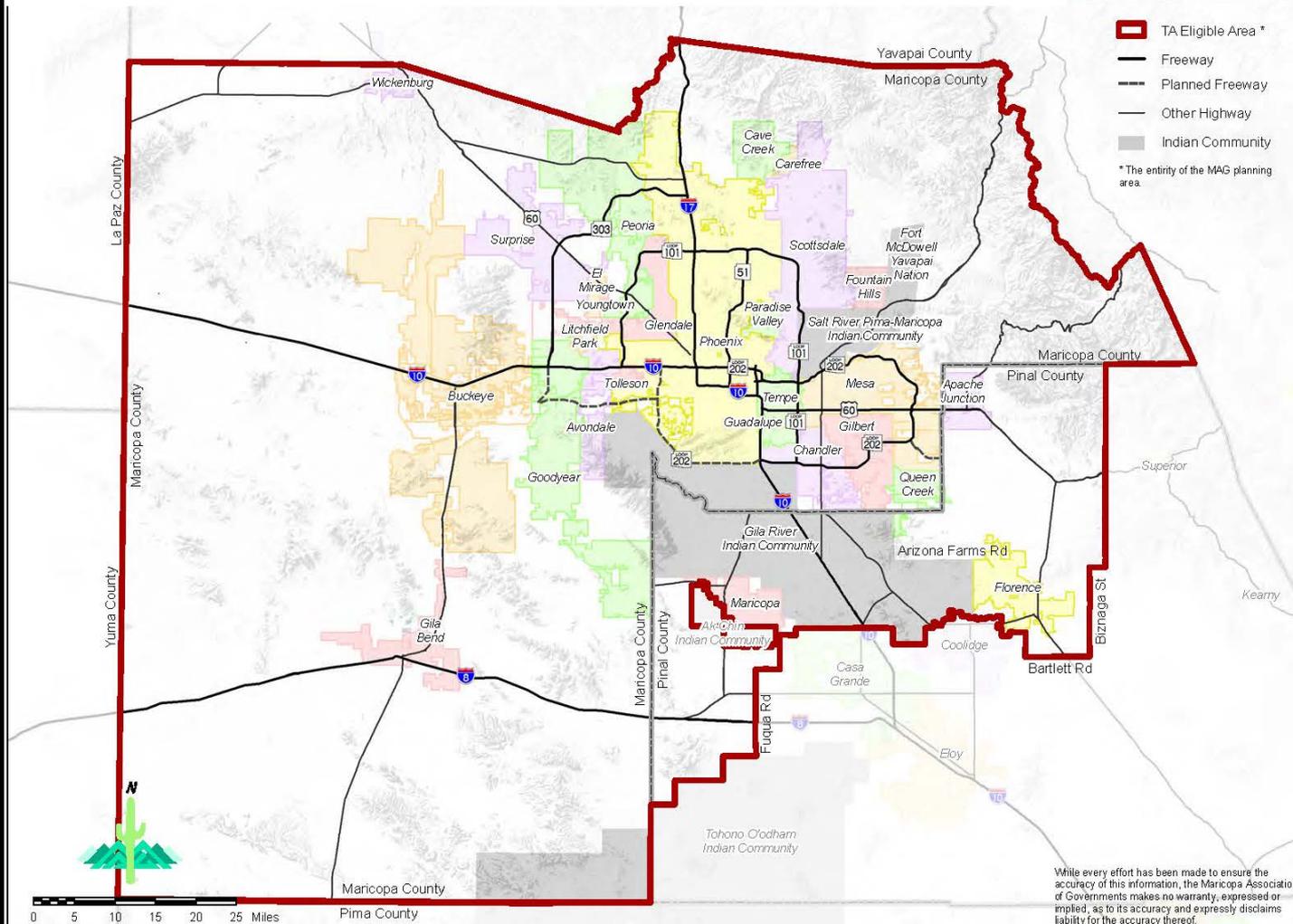
- Anywhere in the MAG planning region, and applicant must be a member of MAG.

Surface Transportation Block Grant Program eligible project area: Pinal County Arterial/Bridge:

- Anywhere in the MAG planning region within Pinal County, and applicant must be a member of MAG.



TA Bicycle/Pedestrian Infrastructure Application Area



- TA Eligible Area *
 - Freeway
 - Planned Freeway
 - Other Highway
 - Indian Community
- * The entirety of the MAG planning area.



Date: July 2015

While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

Technical Evaluation

- MAG Staff will insure that **applications received are complete**. Basic eligibility review will be completed and then applications will be **posted to website**.
- Applicants will receive a receipt that their application was received and was complete or incomplete.
- Modal Committee will **review applications prior to the first meeting**.
- At the Active Transportation, Street, and Intelligent Transportation Committee meetings, **each applicant will present their project(s)** with a PowerPoint that is composed of photos and graphics to support their application request. Each applicant will have not more than 5 minutes with a 5 minute Q and A by the committee.
- *No individual presentations will be provided for Street Sweepers. However questions by Street Committee may be made to the applicant, the applicant should be present.*

Technical Evaluation

For each applicant, the Active Transportation, Street, and Intelligent Transportation Committees will determine the following:

- **Project definitional adequacy.** The committee will determine that the project is defined in sufficient detail to allow technical review.
- **Project feasibility.** The committee will determine that the project is free from fatal flaws (e.g. commitment to maintain or operate, or adequate budget is included) that would prevent it from being implemented.
- **Schedule adequacy.** The committee will determine 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.
- **Cost estimate adequacy.** The committee will determine that cost estimates for the project are reasonable, accurate and account for all work phases (e.g. preliminary engineering, specifications, procurement, etc.) and fees (e.g. ADOT review fees) necessary to complete the project.
- **Performance data adequacy.** The committee will determine that performance data (e.g. ADT, miles of sweeping) or surrogate measures used to determine performance (e.g. number of walkers along a route) is reasonable and well documented.

Technical Evaluation

For each applicant, the committee will determine the following:

- **Revisions.** If there are outstanding questions concerning the project, MAG may require the sponsoring agency to revise its application to address the questions. **If an updated application is required, the sponsoring agency has one week (five business days) to provide an updated application.** The revisions will be presented at the second meeting of the Committee.
- **Second meeting (If needed)– project ranking.** At the second meeting the committee will review and address outstanding issues from the previous meeting and may recommend a ranked listing of projects for review by the Transportation Review Committee. The ranked list will include all projects presented to the Committee along with the committee's determinations and the results of required analyses as identified. **If there are no outstanding issues from the information review, this meeting may be combined with the first meeting.**

Technical Evaluation

For each project type, the evaluation will use the following:

Air Quality Cost Effectiveness Analysis

- PM-10 Certified Street Sweepers (Procurement)
- PM-10 and PM-2.5 Paving (Construction)



Technical Evaluation

For each project type, the evaluation will use the following:

Congestion Management Process (CMP)

- ❑ Arterial and Bridge projects Pinal County (Design and Construction)

Blended Air Quality Cost Effectiveness Analysis & Congestion Management Process (CMP)

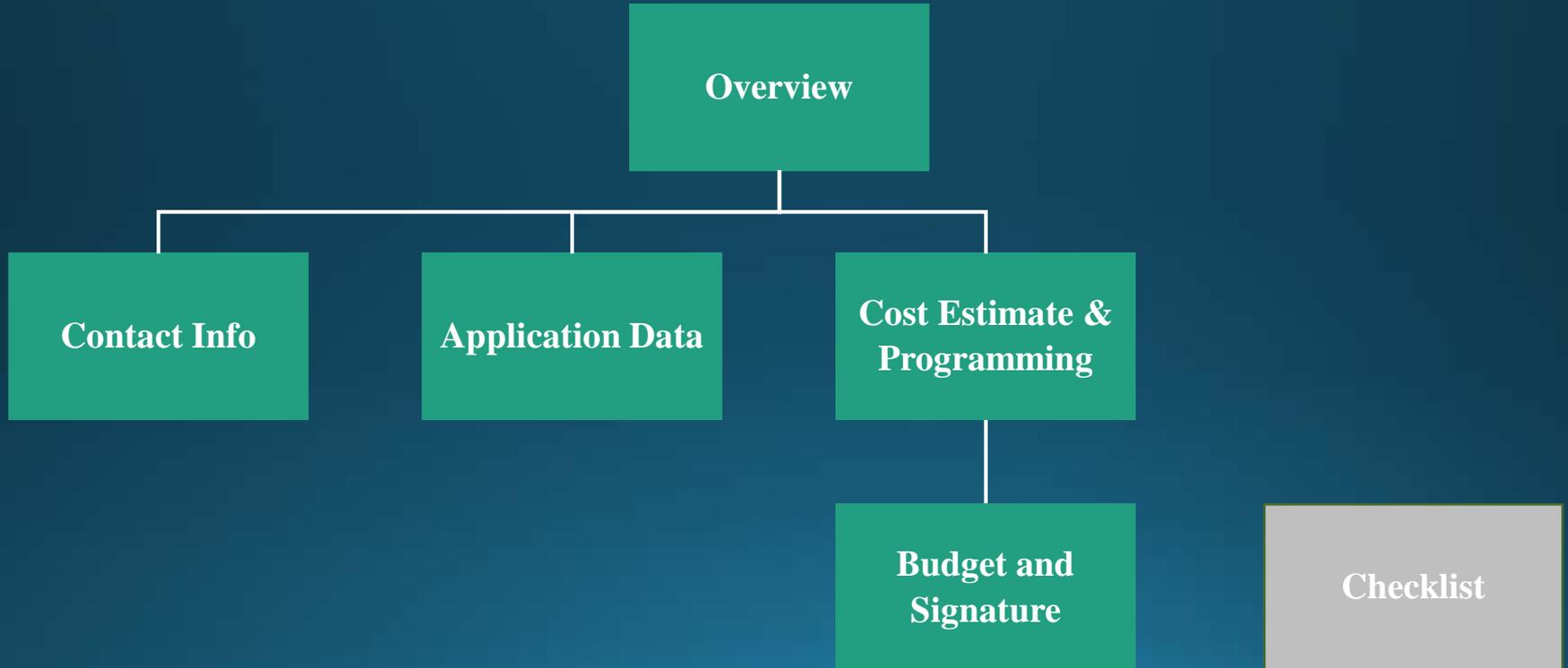
- ❑ Bicycle-Pedestrian infrastructure (Construction, or Procurement/installation)
- ❑ Systems Management and Operations (Construction, or Procurement/installation)



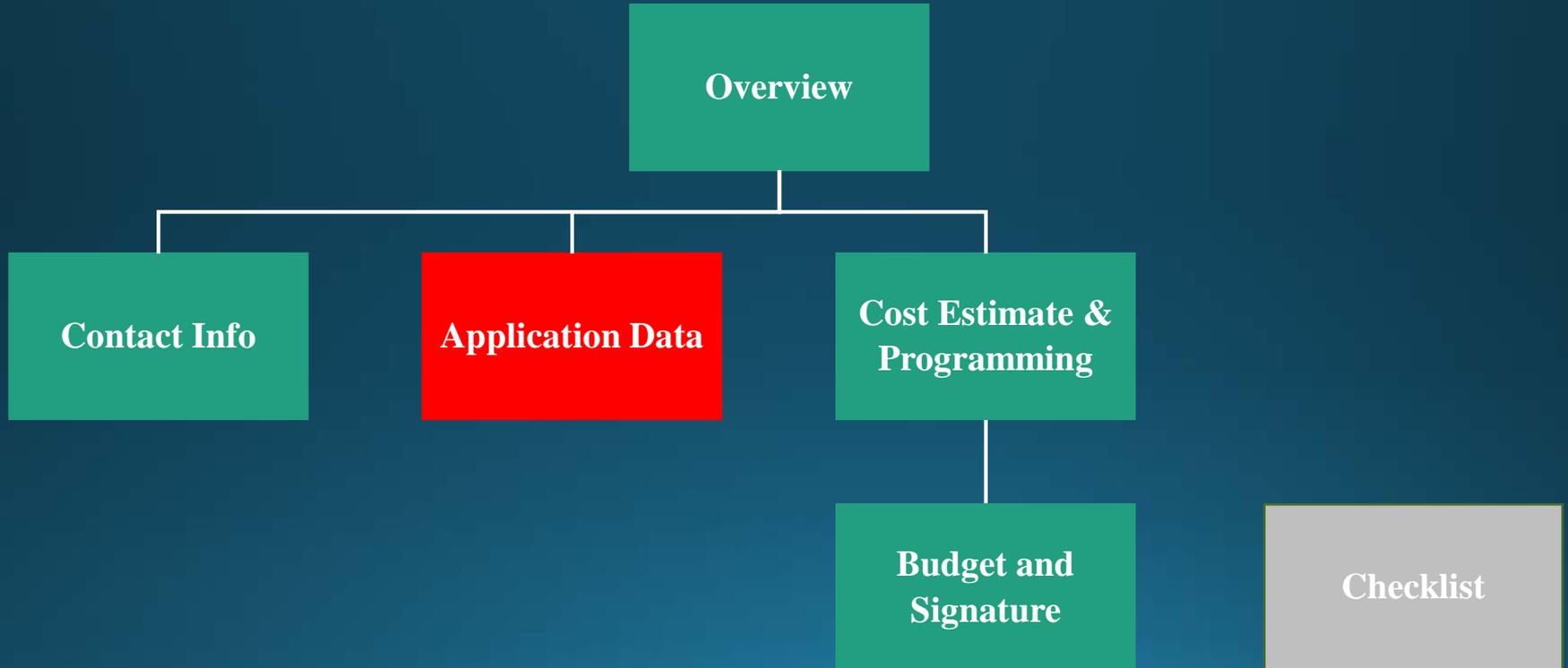
Applications

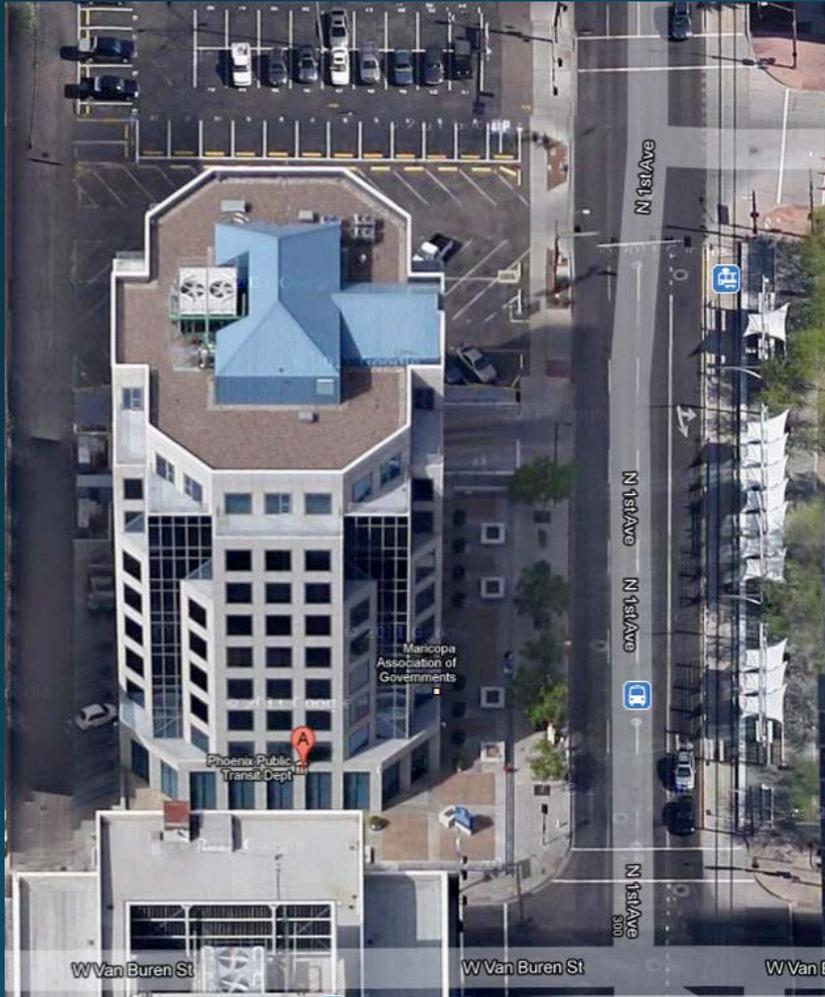
1. Bicycle-Pedestrian – Excel Spreadsheet
2. SMO – Excel Spreadsheet
3. Pinal Bridge/Arterial – Excel Spreadsheet
4. Paving– Excel Spreadsheet
5. Street Sweeper – Online

Application Structure



Application Structure





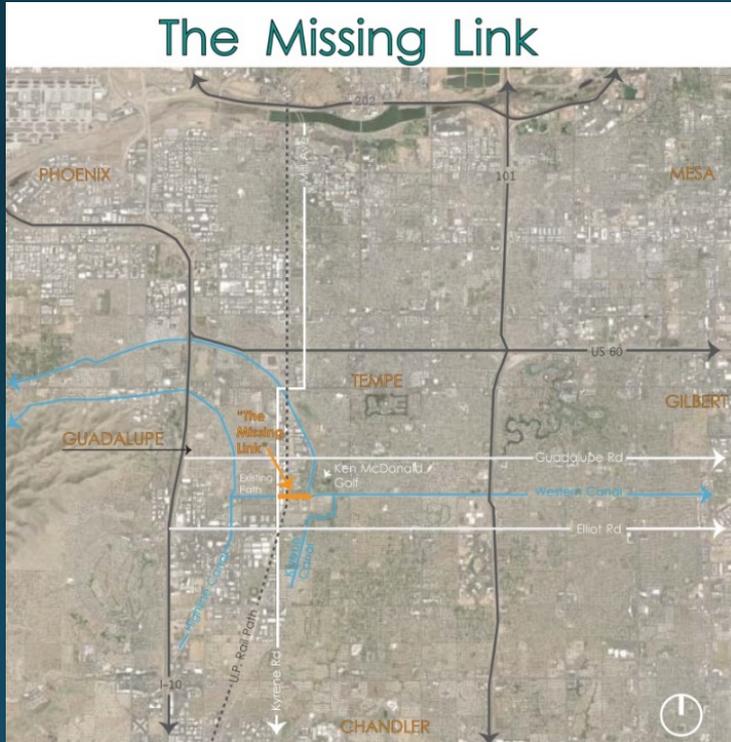
Maps

Give the viewer a sense of where the project is located

- Condition of the surrounding area
- If possible, use aerial imagery
- Google maps – it's Free!
- www.google.com/maps

Maps

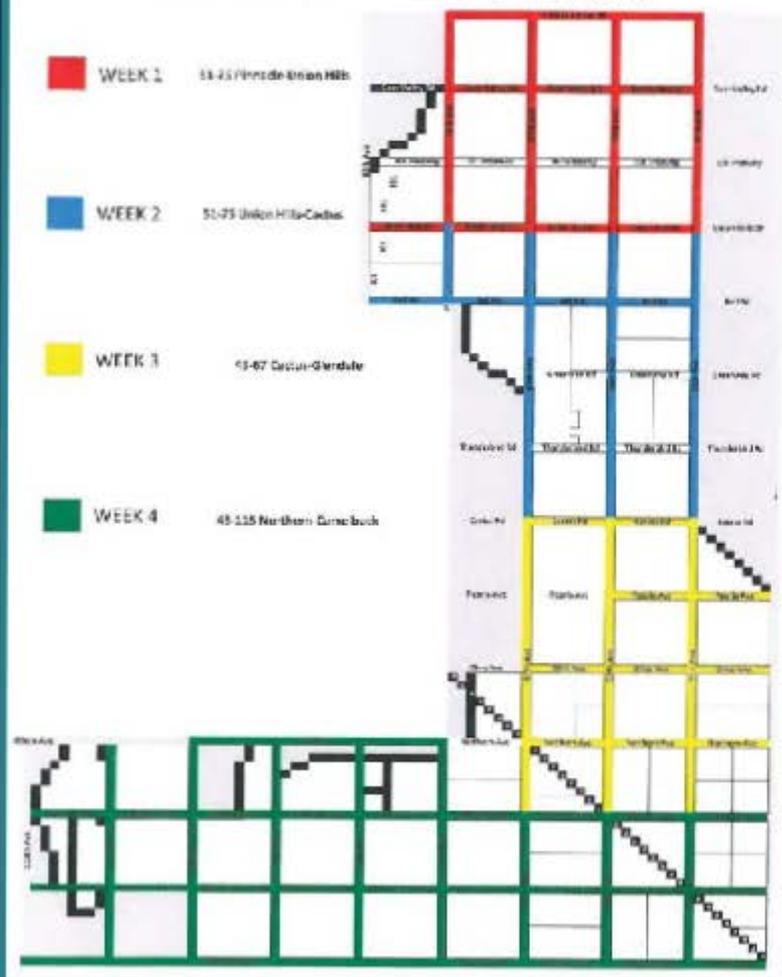
Relational Map



Segment Detail Map



STREET SWEEPING MAIN ARTERIALS MONTHLY SCHEDULE



Sweeping Map

Required

- Proposed project site or route for service.

Acceptable GIS Files

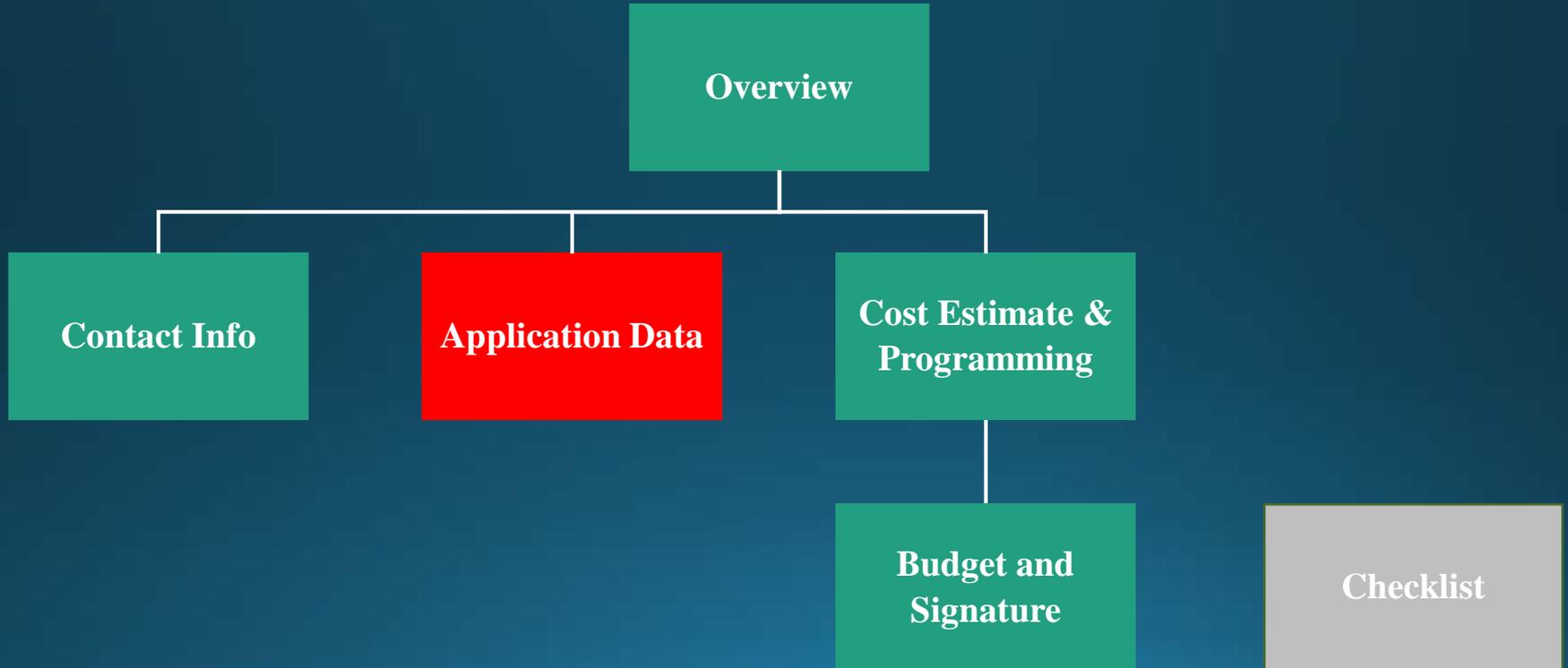
- Shapefiles (.SHP)
- Geodatabases (.GDB)
- Google Earth files (.KMZ or .KML)

Please include the project title in the attribute data

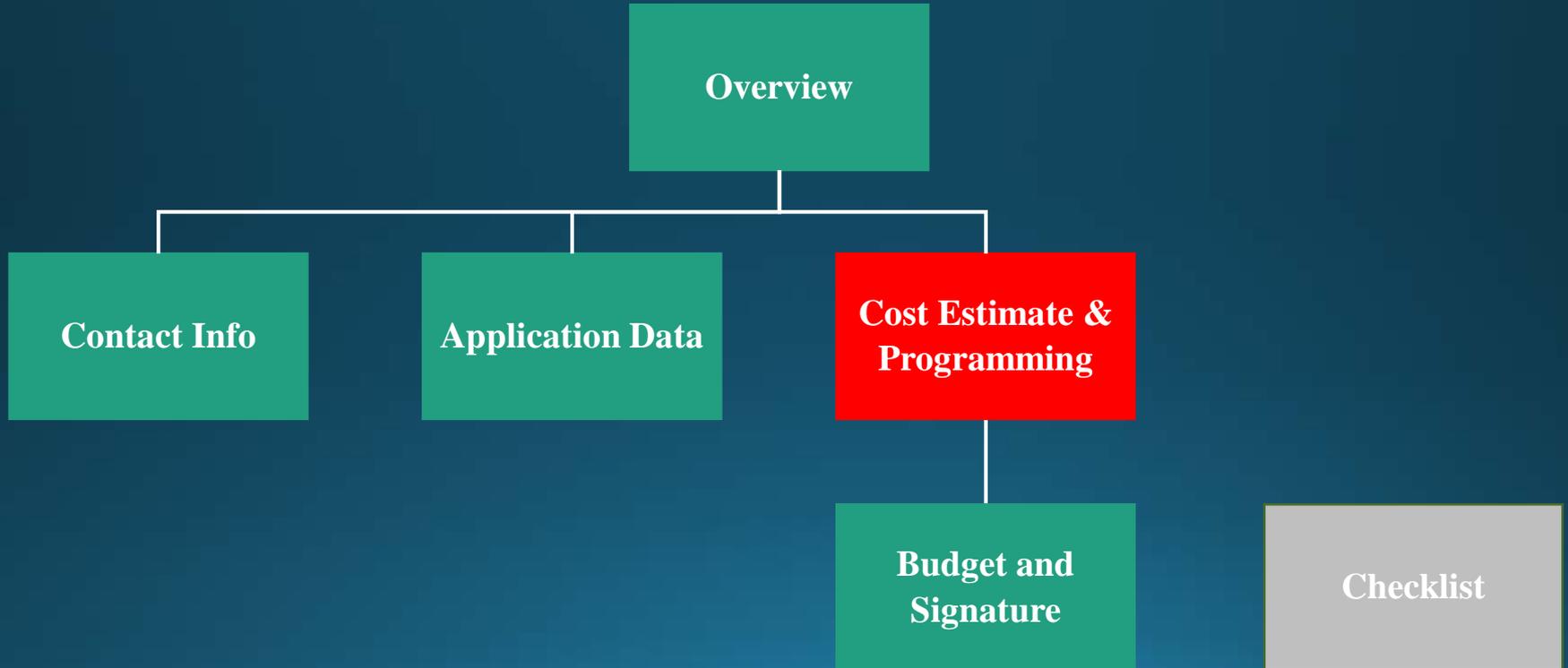
Information is used to populate [MAG's interactive map viewer](#) to explore the capital improvement programs for transportation projects in the region.



Application Structure

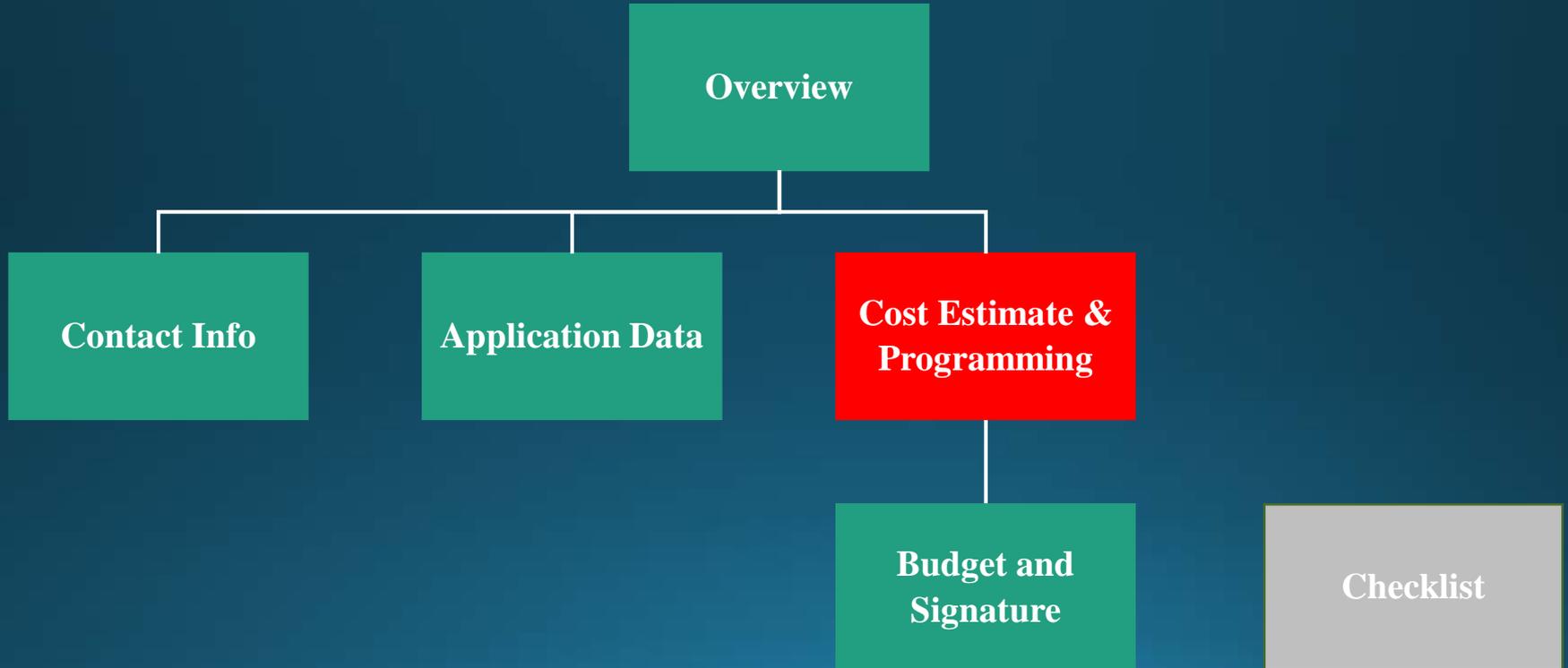


Application Structure

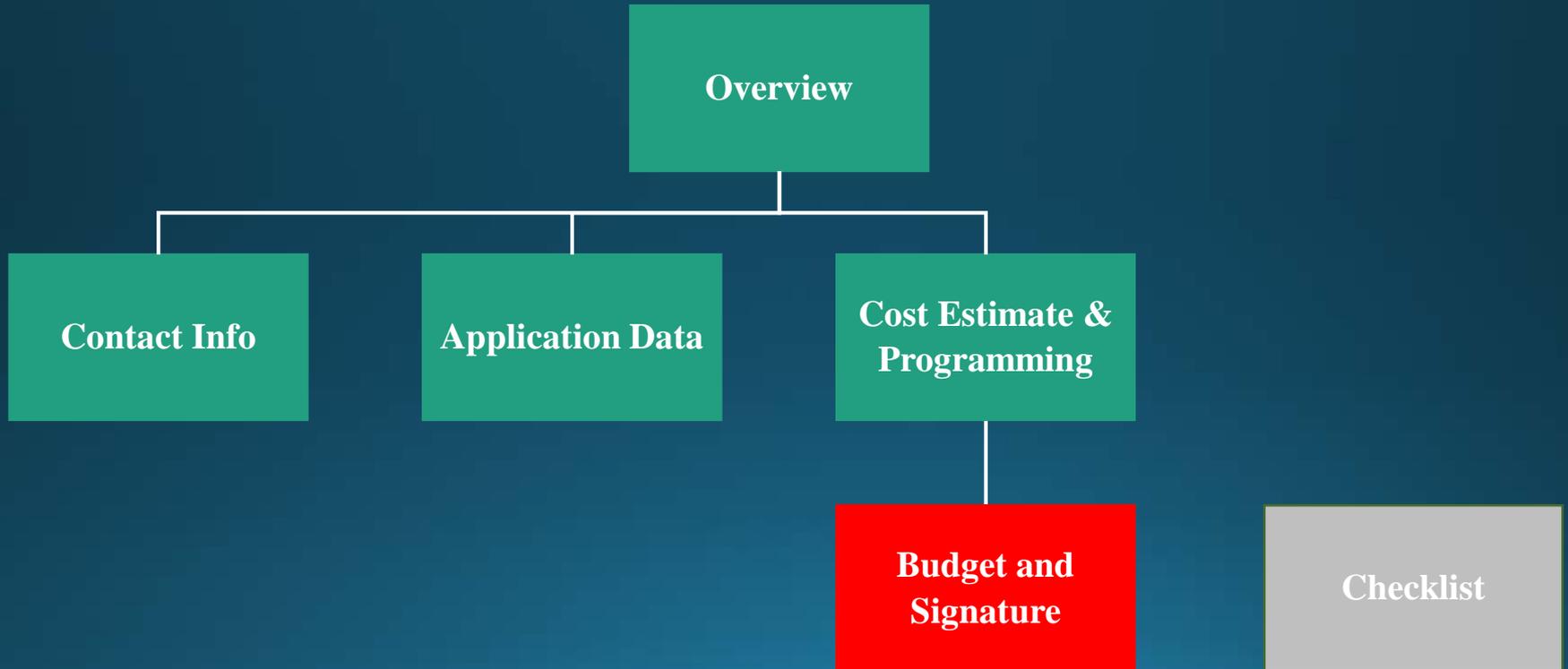


DESIGN	REQUESTED PROGRAMMING (Complete if Item will be programmed in the MAG TIP)	Location Description								
		Work Description								
		Funding Source	Local							
		Preferred Year to Program Work	2022							
	COST ESTIMATE FOR DESIGN		UNITS	QUAN TY	UNIT COST	TOTAL	USES FEDERAL AID	FEDERAL	LOCAL	
	PRELIMINARY ENGINEERING (15% plans) (Required for Budget)	Topographic Survey	LS	1			No	-	-	
		Design Concept Report (DCR)	LS	1	\$100		Yes	\$94	\$6	
		Federal Project Environmental Determination	LS	1	\$100		No	-	\$100	
		HAZMAT Assessment	LS	1			No	-	-	
		SUBTOTAL – PRELIMINARY ENGINEERING COSTS					-		-	-
	FINAL DESIGN (30, 60, 95, 100% plans) (Required for Budget)	Plans, Specifications, Cost Estimates, Bidding	LS	1			No	-	-	
		Geotechnical Report	LS	1			No	-	-	
		Drainage Report	LS	1			No	-	-	
		SWPPP	LS	1			No	-	-	
		SUBTOTAL – FINAL DESIGN COSTS					-		-	-
TOTAL PRELIMINARY ENGINEERING AND DESIGN COST AVAILABLE FOR PROGRAMMING							-	-	-	

Application Structure



Application Structure



PART E - Budget and Signature Page

Please describe the agency programming of this project in the agency's CIP

Phase	Location Description	Work Description	Year to be Programmed	Funding Source	Federal Amount	Local Amount	Total	Local Share
Design	Utopia Rd, Godot Rd to Sartre Way	Design Road	2021	Local	\$ -	\$ 100	\$ 100	100.0%
Construction	Utopia Rd, Godot Rd to Sartre Way	Construct Road	2024	STBGP	\$ 943	\$ 57	\$ 1,000	5.7%
Total Programmed					\$ 943	\$ 157	\$ 1,100	
ADOT Design Review Fee					\$ -	\$ 31,000	\$ 31,000	
Total Cost					\$ 943	\$ 31,157	\$ 32,100	

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:

Name:

Title:

Date:

Required Signatures

Who is the jurisdiction's manager/administrator or designated representative?

- A jurisdiction's manager/administrator is the City/Town/Agency/Community Manager. A designated representative of a jurisdiction is an employed staff person of the jurisdiction designated by the chief administrator to sign MAG funding request documents on behalf of that jurisdiction.

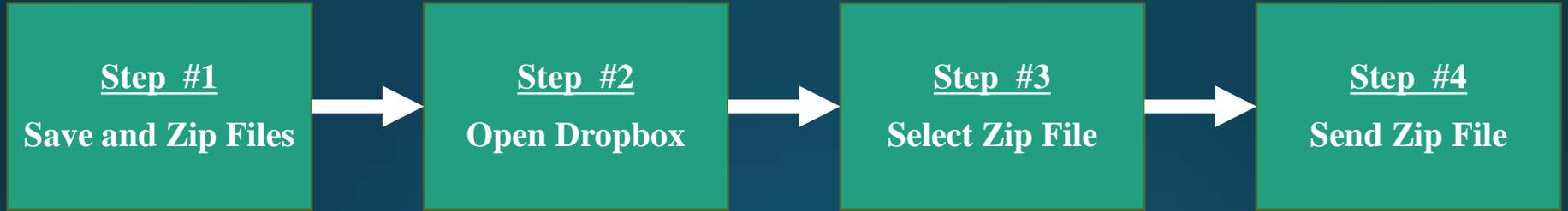
Transmittal Instructions

1. Transmit Application electronically – Keep in excel format, support items including photos, graphics, etc., can be in pdf. *GIS shape files of project are greatly appreciated.*
2. Submit 1 signed copy in Portable Document Format (PDF) to MAG by **10:00 A.M.** Early apps appreciated!
3. Email or submit by drop box.

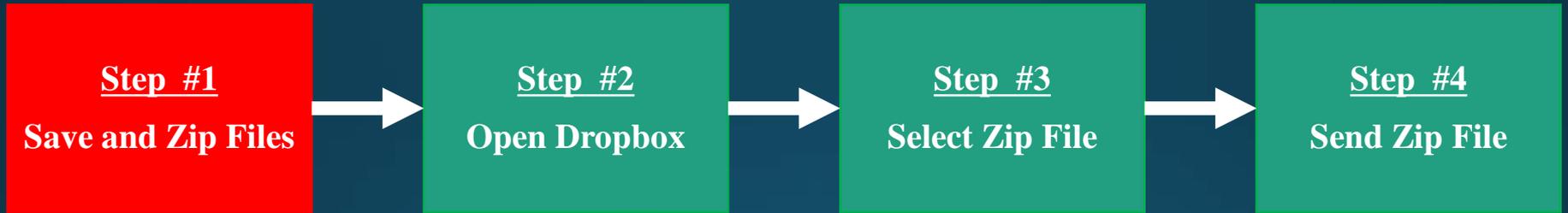
Monday, September 16, 2019 10:00 A.M.

Late applications will not be accepted

Dropbox Overview

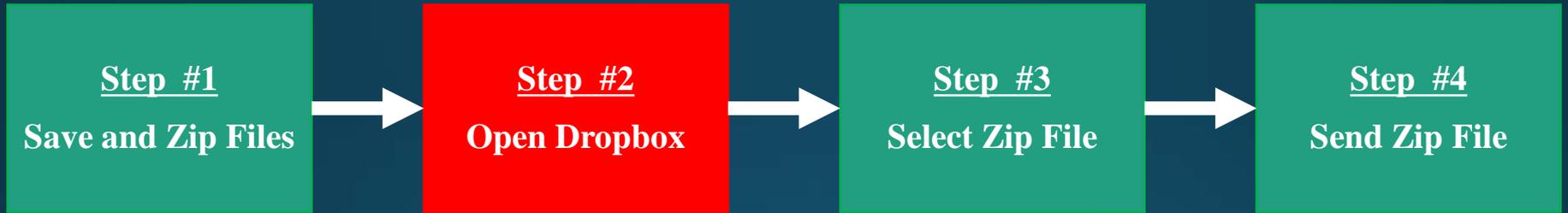


Dropbox Overview



- Save the Excel Application and Attachments to a folder
- Zip Files
 - In Windows File Explorer do the following:
Select the Files -> Right Click -> Select 'Send To' – Select 'Compressed (Zip) Folder'

Dropbox Overview

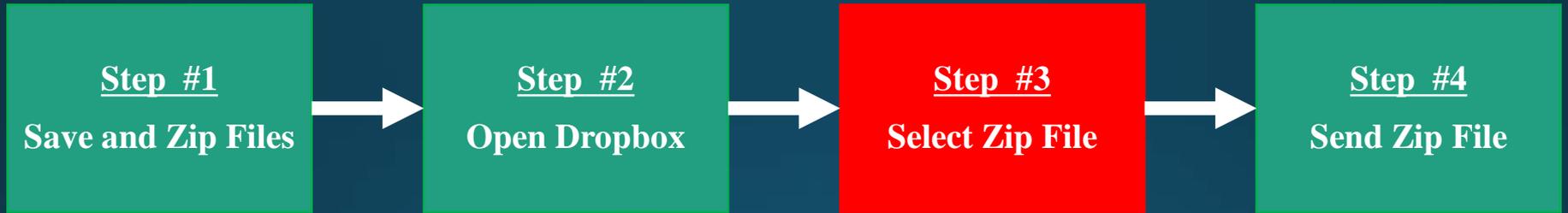


- In the Excel Spreadsheet Application Click the Hyperlink that says:

['DROP THE APPLICATION IN THE BOX'](#)

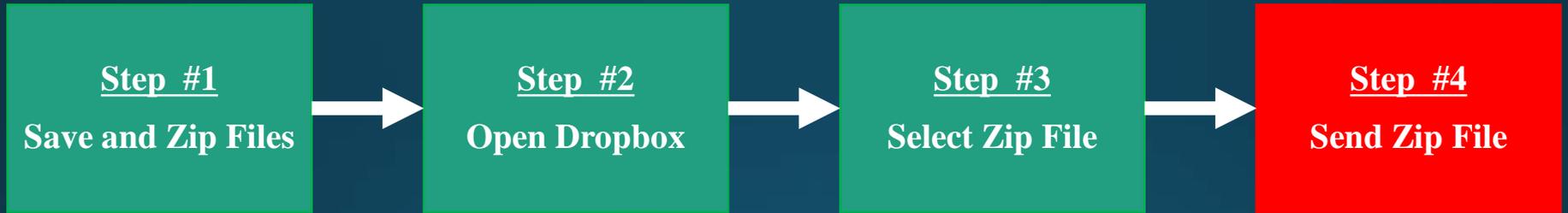
- Dropbox will open in a browser

Dropbox Overview



- Press the Select Button that says “Click Select and choose the files ..”
- This will Open a Window for You to Select Files
- Select the Zip File and press Return

Dropbox Overview



- Press the Finish Button in the Dropbox Window
- The Files will be sent to MAG
- Dropbox will confirm delivery



- **Mark Henige**, ADOT Local Public Agency Section, Program Manager
- **Jennifer Henderson**, ADOT Local Public Agency Section, Project Coordinator

Thank you,

For programming questions:

- Teri Kennedy
- Steve Tate
- See www.azmag.gov/TIP for additional information.

For program area questions:

- **AQ-Paving of Unpaved Roads:** Dean Giles, Steve Tate
- **AQ-PM-10 Certified Street Sweepers:** Dean Giles
- **Bike/Ped CMAQ/TA:** Jason Stephens
- **Pinal County Arterial Bridge Program:** Samantha Samples
- **SM&O:** Jeff Jenq

Break out Sessions 2:15-3:00

Saguaro Room (here)

- **CMAQ:** Paving Unpaved Roads
- **CMAQ:** Street Sweepers
 - ❖ Dean Giles, Steve Tate

Palo Verde Room

- **STBGP:** Pinal County Arterial/Bridge
 - ❖ Samantha Samples

Cholla Room

- **CMAQ: Systems Management and Operations**
 - ❖ Jeff Jenq, Eric Nava

Chaparral Room

- **CMAQ and TA:** Bike/Ped Projects
 - ❖ Jason Stephens