

Arizona State Transportation Board

Multimodal Planning Division Report

April 19, 2024

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Multimodal Planning Division

Current Planning Activities

- Tribal Transportation Update
- Public Comment Period for 2025-2029 Tentative Five-Year Program
- Overview of Project Programming Process

Tribal Transportation Updates

- **FY 2026-2030 Planning to Programming (P2P) Call for Project Nominations - Tribal Outreach**
 - The P2P Call for Project Nominations was communicated to all Tribes in Arizona on 4/1/2024 with a reminder sent on 4/15/2024.
 - Thus far the Salt River Pima-Maricopa Indian Community and Hualapai Tribe have submitted project nominations.
 - The P2P process prioritizes all state highway system construction projects for consideration in ADOT's FY 2026 - 2030 Five-Year Transportation Facilities Construction Program.
 - To nominate a project, complete a P2P Project Nomination Form and submit to Jason James at jjames6@azdot.gov by 5/3/2024.

Tribal Transportation Updates

- **Proposed Arizona Tribal Transportation Safety Roundtable**
 - Dialogue and planning continues with FHWA for a 2024 Roundtable.
 - A survey was disseminated to all Tribes on 3/7/2024 and 3/20/2024 for feedback on:
 - Dates that would be convenient for Tribal representatives to attend the Roundtable in the Phoenix Area.
 - What Tribes would like to discuss with peer Tribes as it relates to transportation safety?
 - In addition to funding, what can the State provide in order to advance transportation safety in Tribal communities?
 - What specific transportation safety topics are Tribes interested in learning more about? (Speeding, Pedestrian Safety, Business and Community Access, etc.)
 - The Tribal responses will assist with finalizing event logistics and format.

Tribal Transportation Updates

- **ADOT-Tribal Coordination - Recent & Upcoming Meetings:**
 - 3/25/2024 - Hualapai Tribe discussed startup of the Transportation Alternatives Program - Osterman Gas Station Restoration Project.
 - 3/26/2024 - Navajo DOT Department of Highway Safety discussed state-tribal transportation safety with the new DHS Director.
 - 4/8/2024 - Inter Tribal Council of Arizona discussed start up of a new ITCA Technical Assistance & Transportation Working Group contract.
 - 4/11/2024 - Navajo Law Enforcement & DOT discussed ADOT Traffic Records and Criminal Software Program participation progress.
 - 4/22/2024 - White Mountain Apache Tribe addressed a potential infrastructure improvement project at the SR 73 and SR 260 intersection.
 - 5/1/2024 - San Carlos Apache Tribe to present findings from a 2023 US 70 Road Safety Assessment conducted within tribal land.

Tribal Transportation Updates

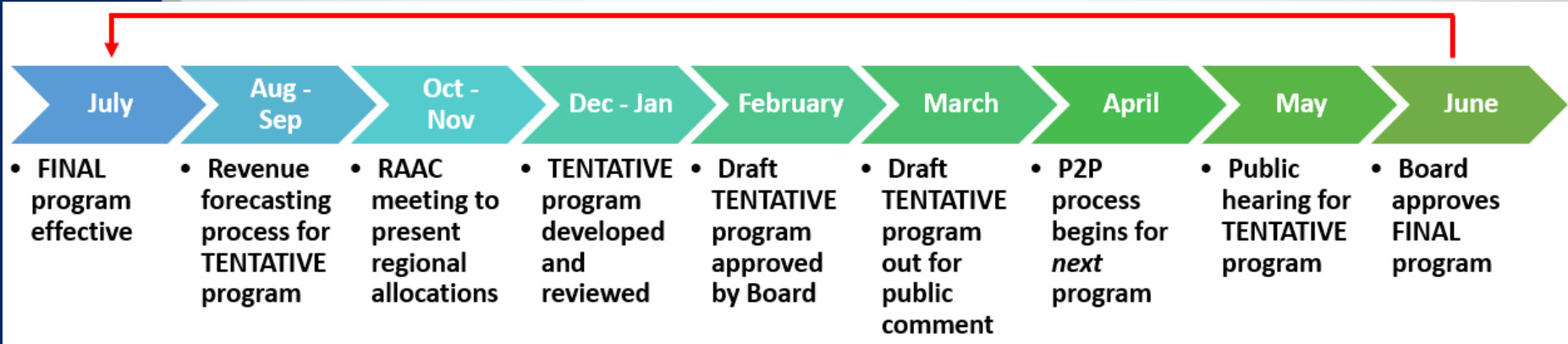
- **ADOT Tribal Relations Team - ASU Class Presentation**

- At the request of the ASU Professor for American Indian Studies Course, the ADOT Native Nations Ambassador on Infrastructure Development and an ADOT MPD Tribal Liaison provided a class presentation that covers federal funds and tribal infrastructure, the importance of government partnerships and opportunities for tribal community-based planning.
- In previous years the ADOT Tribal Liaisons have presented to ASU Tribal students to discuss the work ADOT does with the Tribes in Arizona, also the status of State-Tribal transportation projects in process, and how these activities matter to tribal development.
- This activity was conducted on 4/18/2024 and falls in line with ADOT's Tribal Consultation Policy and Tribal Coordination and Consultation efforts.

Tentative FY 2025–2029 Five-Year Transportation Facilities Construction Program

Summary of public comments received to date

ADOT 5-yr Program Development Process



We are here

Public Comments through 4/15/24



Public involvement efforts by Community Relations and Communications:

- One news release (March 1) issued to statewide media
- Two GovDelivery email notices (March 1, April 9); each issued to nearly 13,000 subscribers
- Social media posts on Facebook, Twitter and Nextdoor
- ADOT website updates and promotion via a home page banner

Comments received to date on the Tentative Program:

366	Online survey form
54	Email
110	Board comments
0	Phone calls
0	Letters
530	Total

Comments received to date by Mode:

450	Highways
37	Local
11	Transit
1	Airports
31	Other
530	Total

Major Themes in Public Comments

Route	# of Comments	Themes
SR 347	178	Widen SR-347 between Maricopa and I-10, improve the Riggs Road intersection
I-10	84	<p>Maricopa County - Improve Jackrabbit Trail intersection; accelerate widening of I-10 from Phoenix to Casa Grande; widen I-10 in the west valley</p> <p>La Paz County - Widen I-10 to CA border</p> <p>Pima County - Support for Country Club to Kino widening and other widening and interchange improvements in the Tucson area</p> <p>Cochise County - Ramps at the Skyline Road interchange are too short, making merging difficult.</p>
SR/US 60	19	Widen and resurface 60 from L303 to Wickenburg; improve 163rd Ave intersection; widen US 60 in East Valley from Mesa to Gold Canyon; need for Gold Canyon bypass
I-17	10	<p>Maricopa County: Improve stack interchange at I-10/I-17, create system interchange at I-17/L303</p> <p>Mohave County: Extend I-17 widening to Cordes Junction at SR 69; concerns with pavement conditions</p>

Board Comment Excel File

- Board Summary tab - updated monthly
- All responses tab - includes everything received to date
- Route tabs - only those routes with more than 2 comments
- < > (lower left) - advances forward or backwards through the tabs

	A	B	C	D	E	F
1	Select a highway route.	Please select the county in	Please indicate the type of	Project (do not change data in this	Timestamp	Please limit your comment to 500 characters
2	SR 347	Maricopa	Highways	SR 347: Riggs Road Overpass, Road - Interchange/ Intersection	3/2/2024 14:05:42	PLEASE, PLEASE, AND PLEASE! Keep things moving into motion. Our beautiful city continues to grow and we thank you for us here and those that travel to visit us and our city. Thank you!

Navigation: < > (lower left) | Board Summary | All Responses | I-10 | I-17 | I-19 | SR 30 | ...

Questions

Overview project programming process

- Competitive projects awarded by the Board
- Subprogram projects approved by the Board
- P2P projects included in the Five-Year Program approved by the Board



Five-Year Program funds 5 competitive programs:

- 701 Highway Safety Improvement Program (HSIP) – ADOT and local projects
- 706 CMAQ 2.5% - Nogales area only
- 716 Transportation Alternatives (TA) – Local projects only
- 763 Off-system Bridge (OSB) no match – Local projects only
- 764 Off-system Bridge with match – Local projects only

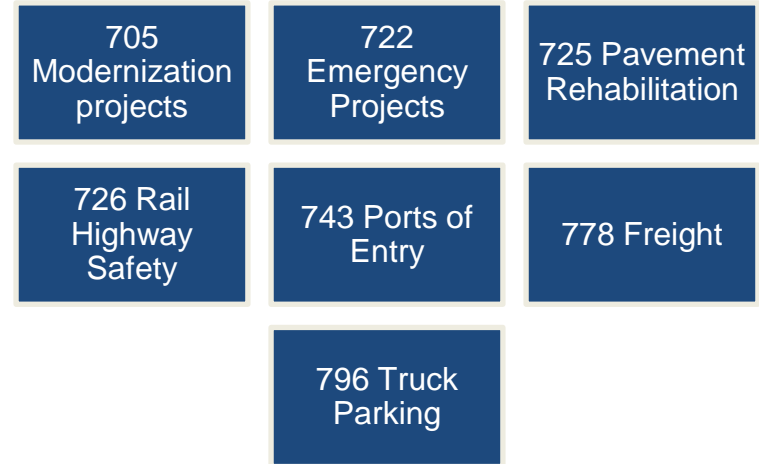
<i>Subprogram</i>	<i>2025 Funds (\$000s)</i>
701	62,700
706	600
716	17,000
763	12,000
764	3,29
Total	\$92,629



Five-Year Program contains numerous other Subprograms:

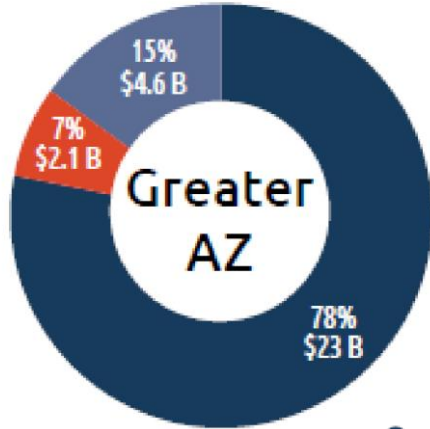
- Fund specific projects or programs
- ADOT system only
- Uncommitted funding on July 1
- Projects are identified through the year based on readiness to proceed, system or project needs, P2P results, etc.

Example Subprograms





Long Range Transportation Plan



- Preservation
- Modernization
- Expansion



Planning to Programming (P2P)



Five-Year Construction Program



2025-2029 Tentative Program

Arizona Department of Transportation
Five Year Transportation Facilities Construction Program



Why P2P?

❑ Performance-Based Planning to Programming is the Law

Federal Regulation (FAST Act)

- 23 USC Section 135(d)(2), and 49 USC Section 5304(d)(2)

State Statute

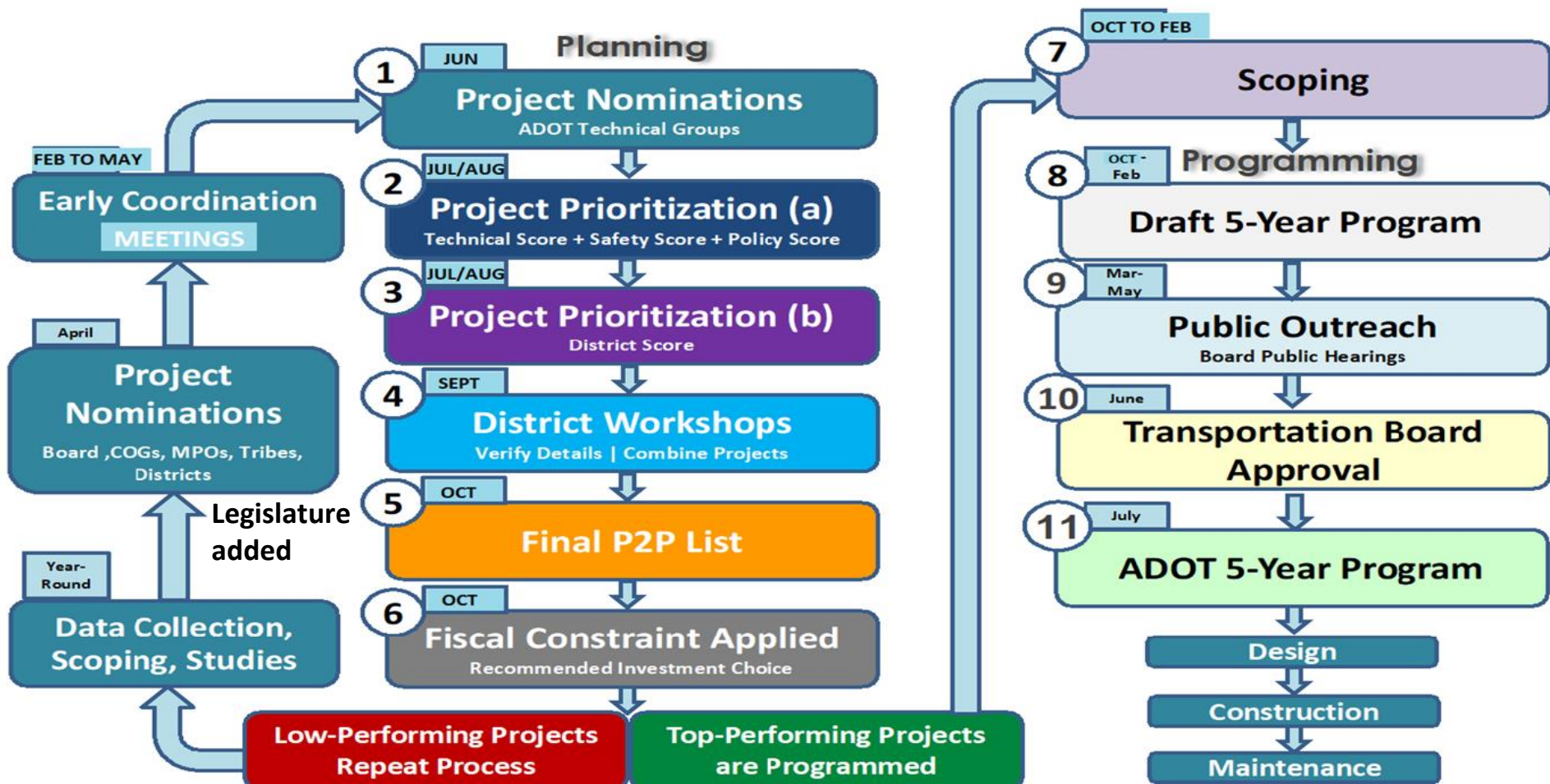
- ARS Title 28, Chapter 2, Article 7 (§ 28-501 through § 28-507)

❑ Financial Stewardship

- Maximize Use of Public Funds



ADOT P2P Process Flowchart



P2P Scoring Overview

Pavement Preservation

Annual Investment
Target:
\$390M

Scoring:
Technical = 51%
District = 40%
Policy = 9%

Bridge Preservation

Annual Investment
Target:
\$60M

Scoring:
Technical &
Safety = 60%
District = 30%
Policy = 10%

Modernization

Annual Investment
Target:
\$132M

Scoring:
Technical = 35%
District = 30%
Safety = 25%
Policy = 10%

Expansion

Annual Investment
Target:
TBD

Scoring:
Technical = 50%
District = 25%
Safety = 15%
Policy = 10%



P2P Scoring Breakdown

Pavement Preservation

PRESERVATION (PAVEMENT)

Activities that improve or sustain the condition of the transportation facility to a state of good repair

Work Types

Maintenance

- ∨ Concrete repair
- ∨ Flush shoulder /shoulder edge repair
- ∨ Leveling with premix
- ∨ Patching / blade laying
- ∨ Pothole repair
- ∨ Slide removal and rock patrol
- ∨ Spot filling cracks / crack seal
- ∨ Spot pavement profiling / AC grinding

Preservation

- ∨ AC grinding / milling
- ∨ Cape seal
- ∨ Chip seal
- ∨ Crack seal / fill
- ∨ Fog seal / flush
- ∨ Friction coarse (AR-ACFC / ACFC) / mill & fill or overlay of friction coarse
- ∨ Micro surface
- ∨ PCCP cross stitching
- ∨ PCCP dowel-bar retrofit (DBR)
- ∨ PCCP diamond grinding
- ∨ Slurry seal
- ∨ Spot repair
- ∨ Thin bonded overlay

Rehabilitation

- ∨ Major AC overlays
- ∨ Mill & fill (existing AC)

Reconstruction

- ∨ Removal and replacement of existing roadway section
- ∨ Spot reconstruction

	Performance Target	Measure	Weighting
Technical (51%)	% Interstate Good Condition = 44%	Pavement Condition: IRI, Cracking, & Rutting Deterioration Factors Lifecycle Factors	51%
	% Interstate Poor Condition = 2%		
	% Non-Interstate Good Condition = 28%		
	% Non-Interstate Poor Condition = 6%		
Total Technical Score			51%
	Performance Target	Measure	Weighting
District (40%)	N/A	District Engineer Evaluation	40%
Total District Score			40%
	Performance Target	Measure	Weighting
Policy (9%)	N/A	Scoped Project (previous P2P cycle)	5%
	N/A	Disadvantaged Communities	4%
Total Policy Score			9%

**Subject to Change*

100%

P2P Scoring Breakdown

Bridge Preservation

PRESERVATION (BRIDGE)

Activities that improve or sustain the condition of the transportation facility to a state of good repair

Work Types

Maintenance

- ∨ Approach overlay
- ∨ Barrier repair
- ∨ Drainage / hydrovac
- ∨ Channel work
- ∨ Cleaning
- ∨ Minor crash repair
- ∨ Pipe / culvert repair
- ∨ Scour repair (existing)
- ∨ Spall / pothole repair
- ∨ Structure maintenance
- ∨ Washing

Preservation

- ∨ Cyclical Maintenance Activities
- ∨ Deck joint / seal replacement
- ∨ Deck overlay
- ∨ Deck seal
- ∨ Major channel repair
- ∨ Painting (steel)
- ∨ Scour retrofit
- ∨ Seismic retrofit
- ∨ Slab jacking

Rehabilitation

- ∨ Major bridge element rehab / replacement
- ∨ Major crash repair
- ∨ Superstructure replacement

Reconstruction

- ∨ Bridge / culvert (over 20') replacement

Technical & Safety (60%)	Performance Target	Measure	Weighting
	% NHS Bridges Good Condition = 52% % NHS Bridges Poor Condition = 4%	Bridge Condition: Deck, Superstructure, Substructure, Culvert, Scour Lifecycle Factors	60%
Total Technical Score			60%
District (30%)	Performance Target	Measure	Weighting
	N/A	District Engineer Evaluation	30%
Total District Score			30%
Policy (10%)	Performance Target	Measure	Weighting
	Freight Reliability on Interstate (TTTR) = 2-year - 1.37; 4-year - 1.48	Freight Percentage (T-Factor)	3%
	N/A	Functional Classification	3%
	N/A	Disadvantaged Communities	4%
Total Policy Score			10%
*Subject to Change			100%

P2P Scoring Breakdown Modernization

MODERNIZATION

Technical (35%)	Performance Target	Measure	Weighting
	Varies	Technical Group Project Ranking (Statewide)	35%
Total Technical Score			35%
District (30%)	Performance Target	Measure	Weighting
	N/A	District Engineer Evaluation	30%
Total District Score			30%
Safety (25%)	Performance Target	Measure	Weighting
	Fatalities = 2% increase Fatality Rate = 2% increase Serious Injuries = 7% decrease Serious Injury Rate = 8% decrease Non-Motorized = 1% increase	Level of Safety Service	25%
Total Safety Score			25%
Policy (10%)	Performance Target	Measure	Weighting
	Freight Reliability on Interstate (TTTR) = 2-year - 1.37; 4-year - 1.48	Freight Percentage (T-Factor)	3%
	N/A	Functional Classification	3%
	N/A	Disadvantaged Communities	4%
Total Policy Score			10%
*Subject to Change			100%

Improvements that upgrade efficiency, functionality, and safety without adding capacity

Work Types

- ADA / pedestrian
- Bicycle lane / shoulder
- Climbing / passing Lanes
- Drainage
- Fence (new / replacement)
- Guardrail (new / replacement)
- Intersection / interchange enhancement
 - New intersection
 - Reconfiguration
 - Roundabout
 - Ramp
 - Signal
 - Turn lanes
- Information Technology Systems (ITS)
- Pedestrian crossings
- Retrofit / correct functional obsolescence
- Rockfall mitigation
- Safety modifications / enhancements
- Tree removal / recovery area
- Traffic control and management
- Widening existing lanes / shoulders
- Wildlife crossings or mitigation

P2P Scoring Breakdown Expansion

EXPANSION

Improvements that add capacity by adding new facilities

Work Types

- New grade-separated overpass / underpass (if adding lanes)
 - Railroad X-ing
 - Interchange
 - DHOV Ramp
- New lanes
- New rail
- New routes / bypass

Technical (50%)	Performance Target	Measure	Weighting
	N/A	Level of Service (LOS)	15%
	N/A	Total Delay	10%
	Travel Time Reliability (TTR) Interstate = 2-year - 81%; 4-year - 71% TTR Non-Interstate NHS = 2-year - 84%; 4-year - 77%; Freight Reliability on Interstate (TTTR) = 2-year - 1.37; 4-year - 1.48	System Reliability (passenger vehicles & freight)	10%
	N/A	Support Economic Vitality	5%
	N/A	Improve Congestion	10%
Total Technical Score			50%
District (25%)	Performance Target	Measure	Weighting
	N/A	District Engineer Evaluation	25%
Total District Score			25%
Safety (15%)	Performance Target	Measure	Weighting
	(same as Modernization targets)	Level of Safety Service	15%
Total Safety Score			15%
Policy (10%)	Performance Target	Measure	Weighting
	(same as Modernization targets)	Freight Percentage (T-Factor)	3%
	N/A	Functional Classification	3%
	N/A	Disadvantaged Communities	4%
Total Policy Score			10%
			100%

**Subject to Change*

Call for New Projects: May to June 2024

- Round 1: COGs, MPOs, Tribes, STB, Districts, State Legislature – due 5/3
- Round 2: ADOT Technical Groups (Pavement, Bridge, Modernization, Expansion) – Due June 7th

Project Rankings: May to August 2024

- Technical Rank – May/June
- District Rank - June
- Safety & Policy Scores - July
- QAQC Final Scores/Finalize District Project Lists - August

P2P Workshops: August to September 2024

- All (7) ADOT Engineering Districts

Final FY 2026-2030 P2P List: October 2024



Contact information for P2P Process:

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Contact information for Programming Process:

Lisa Danka, Programming Section Manager - ADOT MPD
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Questions?

