



**2025 Project Delivery Academy**  
**MODULE 1: Planning and P2P Presentation**  
**7/9/25**

Presented by:

ADOT MPD Planning Team

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# Regional Planning Topics

1. Regional Planning Overview
2. Funding Eligibility & Match
3. COG/MPO Required Documents
4. Statewide Studies
5. Functional Classification & Traffic Counts
6. Tribal Transportation
7. P2P Process
8. MPD Planning Contacts

# Regional Planning Overview

## Multimodal Planning Division:

- Planning, Programming, GIS, Transit, Traffic Monitoring, Traffic Demand Modeling, Traffic Safety, Research Center
- Core responsibilities of MPD Planning Team
  - P2P process
  - Development of Statewide Plans
  - 3-C transportation planning with MPOs, COGs, TMAs, and Tribes
  - Statewide Planning Services

## MPOs/COGs/TMAs

### Metropolitan Planning Organization (MPO)

- 50k urbanized population
- 7 in AZ: BHCMPO, CYMPO, FMPO, LHMPO, SCMPO, SVMPO, & YMPO

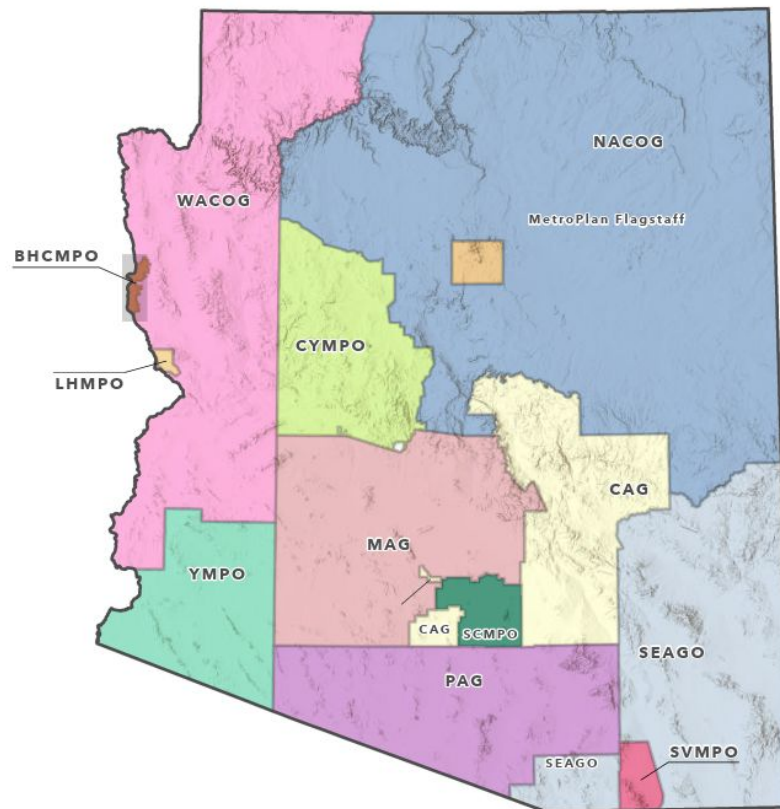
### Transportation Management Area (TMA)

- 200k urbanized population
- 2 in AZ: MAG & PAG

### Council of Government (COG)

- Rural areas
- 4 in AZ: CAG, NACOG, SEAGO, & WACOG

\*Every town, city, county, or tribe may participate in at least one COG, MPO, or TMA



# COG/MPO Oversight

- ADOT/MPD has oversight responsibilities as a direct recipient passing Federal aid to a designated Council of Government (COG) and Metropolitan Planning Organization (MPO)
  - Two year grant agreement
  - Review and approve COG/MPO federal aid reimbursement requests
  - Participate as voting members on COG/MPO committee's as a regional partner providing transportation planning and programming assistance

# Regional Funding Opportunities

- Surface Transportation Block Grant Program (STBG)
- State Planning & Research (SPR)
- Consolidated Planning Grant (CPG) – includes...
  - *Metropolitan Planning (PL) and Transit Planning (5305d)*
- Congestion Mitigation and Air Quality (CMAQ)
- Carbon Reduction Program (CRP)

## ***ADOT Competitive Funding Opportunities***

- Enhanced Mobility of Seniors and Individuals with Disabilities (5310)
- Rural Public Transportation Program (5311)
- Highway Safety Improvement Program (HSIP)
- Off System Bridge (OSB) and AZ SMART Program
- Transportation Alternatives Program (TAP)

# Funding Eligibility

**STBG** – Design & Construction (+ planning, studies, data collection, admin - *most flexible*)

**SPR** – Planning, studies, data collection, admin

**CPG (PL/5305d)** – Same as SPR (MPOs & TMAs only)

**CRP** – Zero-emission vehicles, active transportation (MPOs & TMAs only)

**CMAQ** – Projects that improve air quality (MAG only)

**5310** – Buses, equipment, & operations to support elderly & disabled mobility (private nonprofit also eligible)

**5311** – Rural public transit capital, admin, & operations

**HSIP** – Mitigate a safety issue

# Funding Local Match Rates

- **STBG** – 5.7%
- **SPR** – 20%
- **CPG (PL/5305d)** – 5.7%
- **CRP** - 5.7%
- **CMAQ** – 0% to 5.7%
- **5310** – 0% to 20%
- **5311** – 0% to 20%
- **HSIP** – 0% to 5.7%

**Note:** Match can be both *Hard (cash)* or *Soft (in-kind)*

**Participating** in COG, MPO, or TMA activities **counts as *in-kind*...** no cash out of your pocket



# Required Docs

*Other products & services...*

- ✓ Planning Studies
- ✓ Transportation Programs
- ✓ Transit Coordination
- ✓ Human Service Programs (COGs/TMAs)
- ✓ Education
- ✓ Training
- ✓ And more...

Product/ Document	Horizon	Contents	Updates	Agency		
				TMA	MPO	COG
M/RTP (Metropolitan/Regional Transportation Plan)	20 years (min.)	Policies, goals, and strategies	Every 5 years (4 years for non-attainment and maintenance areas)	✓	✓	
UPWP (Unified Planning Work Program)	2 years	Planning studies and tasks	Biennially	✓	✓	
WP (Work Program)	2 years	Planning studies and tasks	Biennially			✓
TIP (Transportation Improvement Program)	4-5 years	Transportation investments by fund type and funding year	At least every 4 years (period may occur more frequently)	✓	✓	✓
Public Participation Plan	N/A	Details of the MPO public involvement process	As needed (to stay in compliance with federal regulations)	✓	✓	✓
Title VI Plan	N/A	Actions taken to meet antidiscrimination laws	Annually	✓	✓	✓
Regional Coordination Plan	N/A	Transportation services for people with disabilities, low incomes, and older adults	Based on TIP and MTP (4 years for non-attainment and maintenance areas)	✓	✓	✓
Air Quality Regional Conformity	Based on TIP and MTP	Conformity links air quality and transportation planning to ensure transportation activities in non-attainment and maintenance areas are consistent with air quality goals	Based on TIP and MTP (4 years for non-attainment and maintenance areas)	✓	✓	
Congestion Management Plan	Ongoing	Provides demand reduction and operational management strategies	As needed	✓		

# Statewide Studies Program

## What types of studies?

- Variety of topics to support ADOT technical groups, Districts and Federal Requirements.

## Examples include:

- Passing Lane and Climbing Lane Study
- Port of Entry Study
- Overhead Sign Structure Study
- ITS Architecture
- Wildlife-Vehicle Conflict Study
- Long Range Transportation Plan
- Corridor Studies
- Freight Plan

# Statewide Studies Program

- Project Priorities
  - Project selection criteria considers date of last study and need for update, emphasis from ADOT leadership and any new requirements from transportation legislation, etc.
  - Two year Work Program
  - Annual budget approximately \$900K

# Statewide Studies Program

- Transportation Planning Process
  - A transportation study includes some or all of the following elements depending on project scope:
    - Vision, goals and objectives
    - Existing and future conditions
    - Needs assessment
    - Develop strategies to address needs
    - Project selection and prioritization
    - Funding and implementation
    - System performance monitoring

# Functional Classification

- Before a project goes in the TIP... the road must receive a ***Federal Functional Classification***

## Functional Classification:

Interstate

Principal Arterial

Minor Arterial

Major Collector

Minor Collector

Local Road (*not eligible for federal aid*)

## **Functional Classification Request Tool:**

<https://azgeo.az.gov/adot/WeLoveYourInput.aspx#ajax/FCmap.html>

OR

## **Contact**

Lucas Murray (Lmurray@azdot.gov);  
Jim Meyer (jmeyer@azdot.gov)

# Highway Performance Management System (HPMS)

Once a road receives Federal Functional Classification, FHWA requires traffic data counts to comply with HPMS.

## **Traffic Count Frequency:**

<u>Interstate</u>	<u>3 years</u>
<u>Ramps</u>	<u>6 years</u>
<u>Principal Arterial</u>	<u>3 years</u>
<u>Minor Arterial</u>	<u>6 years</u>
<u>Major Collector</u>	<u>6 years</u>
<u>Minor Collector</u>	<u>6 years</u>
<u>Local Road</u>	<u>Not Required</u>

## **Traffic Count Tool:**

<https://arcg.is/050GK>

*OR*

## **Contact**

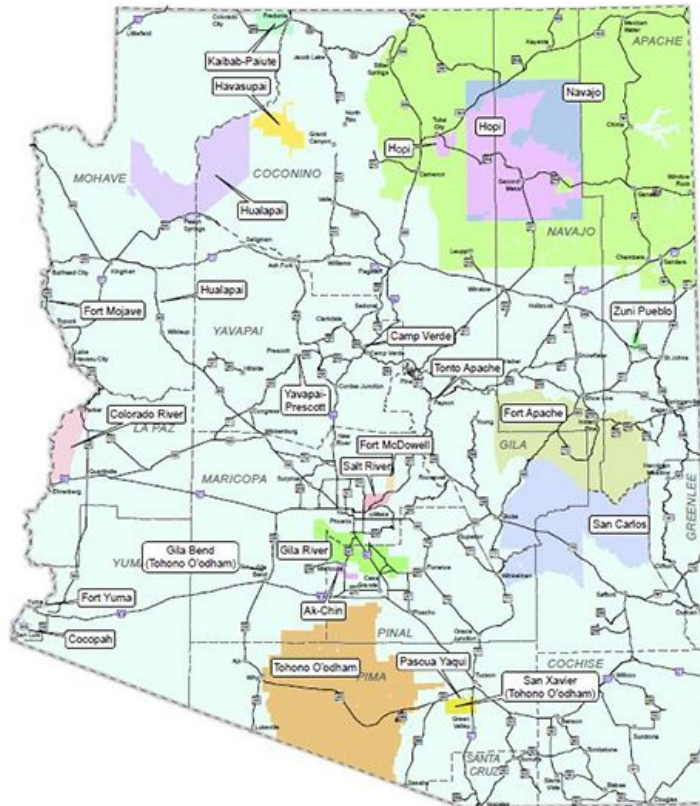
Lucas Murray  
([Lmurray@azdot.gov](mailto:Lmurray@azdot.gov));  
Jim Meyer ([jmeyer@azdot.gov](mailto:jmeyer@azdot.gov))

# ADOT Tribal Transportation

- 22 federally recognized Indian Tribes, Communities and Native Nations in Arizona with tribal land encompassing approximately 27,736,000 acres or 28% of the State land base.
- 14 Tribal airports and seven Tribal public transit systems situated within Tribal communities throughout Arizona.
- Both State and Tribal governments have the common goal of providing efficient transportation systems for the safety and welfare of the traveling public.
- Arizona Tribal Transportation website:  
<http://www.aztribaltransportation.org/>

# ADOT Tribal Transportation Consultation in AZ

- ADOT Tribal Consultation Policy adopted on September 1, 2006
- ARS Section 41-2051, subsection C and Section 106 of the National Historic Preservation Act – must be considered in Tribal consultation





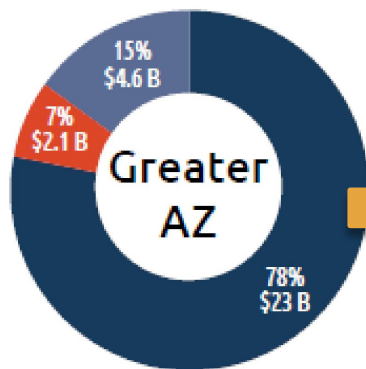
# ADOT Tribal Transportation Planning

## **MPD Planning Program Managers/Tribal Liaisons - Roles & Responsibilities**

- Provide transportation planning support and intergovernmental coordination for ADOT's statewide and regional planning projects and programs.
- Coordinate efforts to improve tribal participation in statewide transportation planning and programming processes.
- Provide statewide tribal outreach coordination and consultation assistance to ADOT personnel, planning stakeholders and ADOT consultants and contractors.
- Maintain compliance with A.R.S. 41-2051(C) Responsibilities of State Agencies and ADOT MGT-16.01 Department-Wide Native Nation/Tribal Government Consultation Policy.

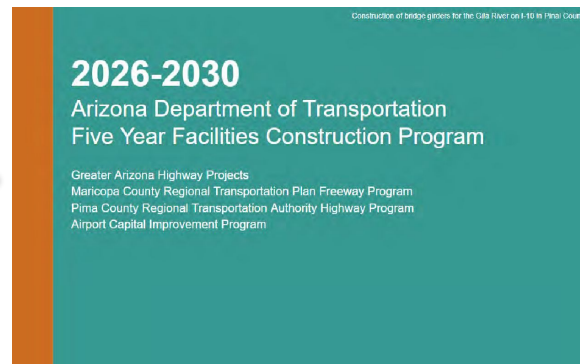
# What is P2P?

**Long Range Transportation Plan**



**Planning to Programming (P2P)**

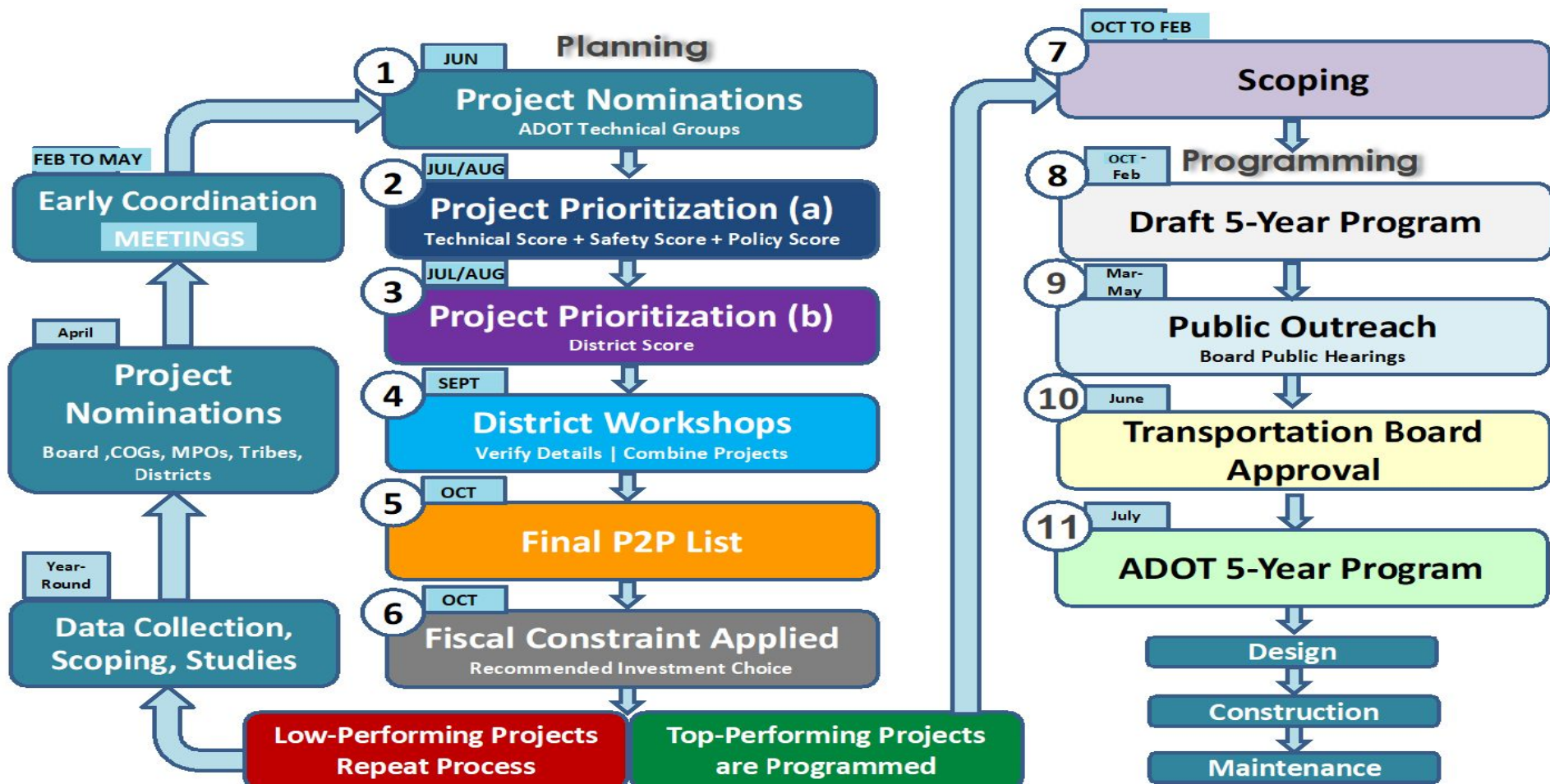
**Five-Year Construction Program**



# 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:  
\$406M

Scoring:  
Technical = 51%  
District = 45%  
Policy = 4%

### Bridge Preservation

Annual  
Investment  
Target:  
\$60M

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

### Modernization

Annual Investment  
Target:  
\$123M

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

### Expansion

Annual  
Investment  
Target:  
\$164M

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	
<b>Maintenance</b>	
∨	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
<b>Preservation</b>	
∨	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
<b>Rehabilitation</b>	
∨	Major AC overlays
∨	Mill & fill (existing AC)
<b>Reconstruction</b>	
∨	Removal and replacement of existing roadway section
∨	Spot reconstruction

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

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%

Work Types	
<b>Maintenance</b>	
⌵	Approach overlay
⌵	Barrier repair
⌵	Drainage / hydrovac
⌵	Channel work
⌵	Cleaning
⌵	Minor crash repair
⌵	Pipe / culvert repair
⌵	Scour repair (existing)
⌵	Spall / pothole repair
⌵	Structure maintenance
⌵	Washing
<b>Preservation</b>	
⌵	Cyclical Maintenance Activities
⌵	Deck joint / seal replacement
⌵	Deck overlay
⌵	Deck seal
⌵	Major channel repair
⌵	Painting (steel)
⌵	Scour retrofit
⌵	Seismic retrofit
⌵	Slab jacking
<b>Rehabilitation</b>	
⌵	Major bridge element rehab / replacement
⌵	Major crash repair
⌵	Superstructure replacement
<b>Reconstruction</b>	
⌵	Bridge / culvert (over 20') replacement



P2P Scoring Breakdown Modernization				MODERNIZATION
Technical (35%)	Performance Target	Measure	Weighting	Improvements that upgrade efficiency, functionality, and safety without adding capacity
	Varies	Technical Group Project Ranking (Statewide)	35%	
Total Technical Score			35%	Work Types
District (30%)	Performance Target	Measure	Weighting	<ul style="list-style-type: none"> <li>• ADA / pedestrian</li> <li>• Bicycle lane / shoulder</li> <li>• Climbing / passing Lanes</li> <li>• Drainage</li> <li>• Fence (new / replacement)</li> <li>• Guardrail (new / replacement)</li> <li>• Intersection / interchange enhancement <ul style="list-style-type: none"> <li>○ New intersection</li> <li>○ Reconfiguration</li> <li>○ Roundabout</li> <li>○ Ramp</li> <li>○ Signal</li> <li>○ Turn lanes</li> </ul> </li> <li>• Information Technology Systems (ITS)</li> <li>• Pedestrian crossings</li> <li>• Retrofit / correct functional obsolescence</li> <li>• Rockfall mitigation</li> <li>• Safety modifications / enhancements</li> <li>• Tree removal / recovery area</li> <li>• Traffic control and management</li> <li>• Widening existing lanes / shoulders</li> <li>• Wildlife crossings or mitigation</li> </ul>
	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%	



# P2P Scoring Breakdown Expansion

## EXPANSION

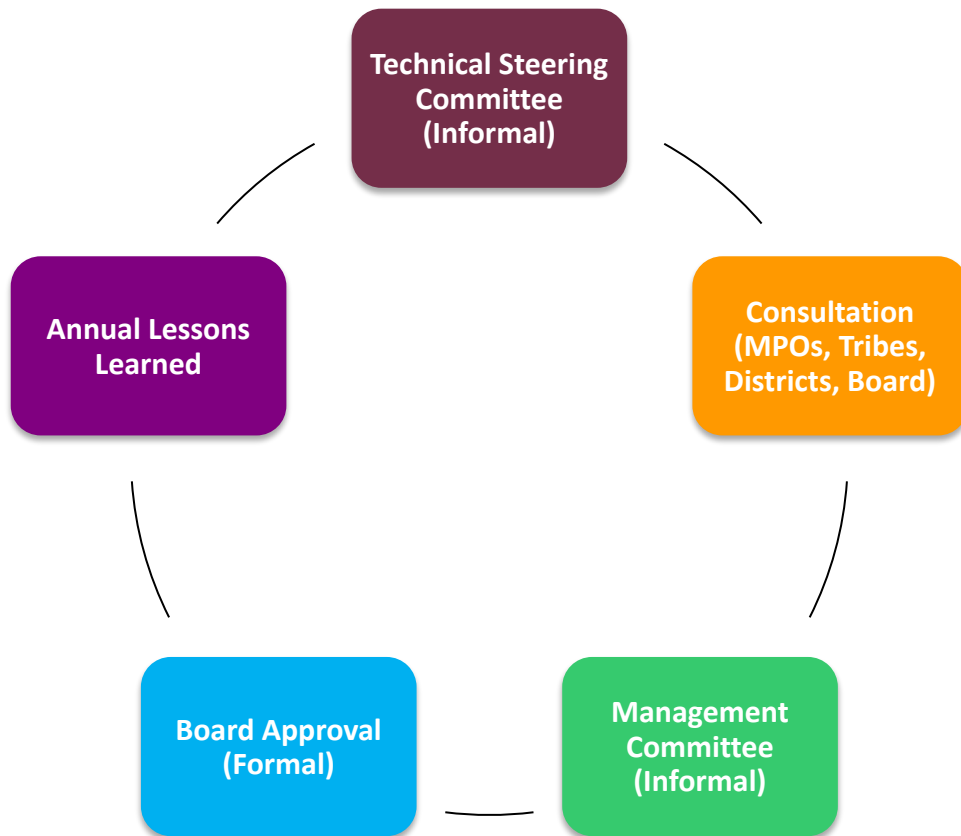
Improvements that add capacity by adding new facilities

## 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%
*Subject to Change			100%

# Continuous Improvement



# MPD Planning Contacts

- Jason James – [jjames6@azdot.gov](mailto:jjames6@azdot.gov) (MPD Planning Section Manager)
- Don Sneed – [dsneed@azdot.gov](mailto:dsneed@azdot.gov) (Planning Program Manager – Southern Region Tribal Liaison)
- Paula Brown – [pbrown@azdot.gov](mailto:pbrown@azdot.gov) (Planning Program Manager – Northern Region Tribal Liaison)
- Ruth Garcia – [rgarcia5@azdot.gov](mailto:rgarcia5@azdot.gov) (Regional Transportation Planner - CAG, CYMPO, MetroPlan-Flagstaff, NACOG)
- Jennifer Hobert – [jhobert@azdot.gov](mailto:jhobert@azdot.gov) (Regional Transportation Planner - SEAGO, SVMPO, PAG, Yuma MPO)
- William Randolph – [wrandolph@azdot.gov](mailto:wrandolph@azdot.gov) (Regional Transportation Planner - Bullhead City MPO, LHMPO, SCMPO, WACOG)

**Thank you!**