

State Transportation Improvement Program and Five Year Transportation Facilities Construction Program

Overview Presentation

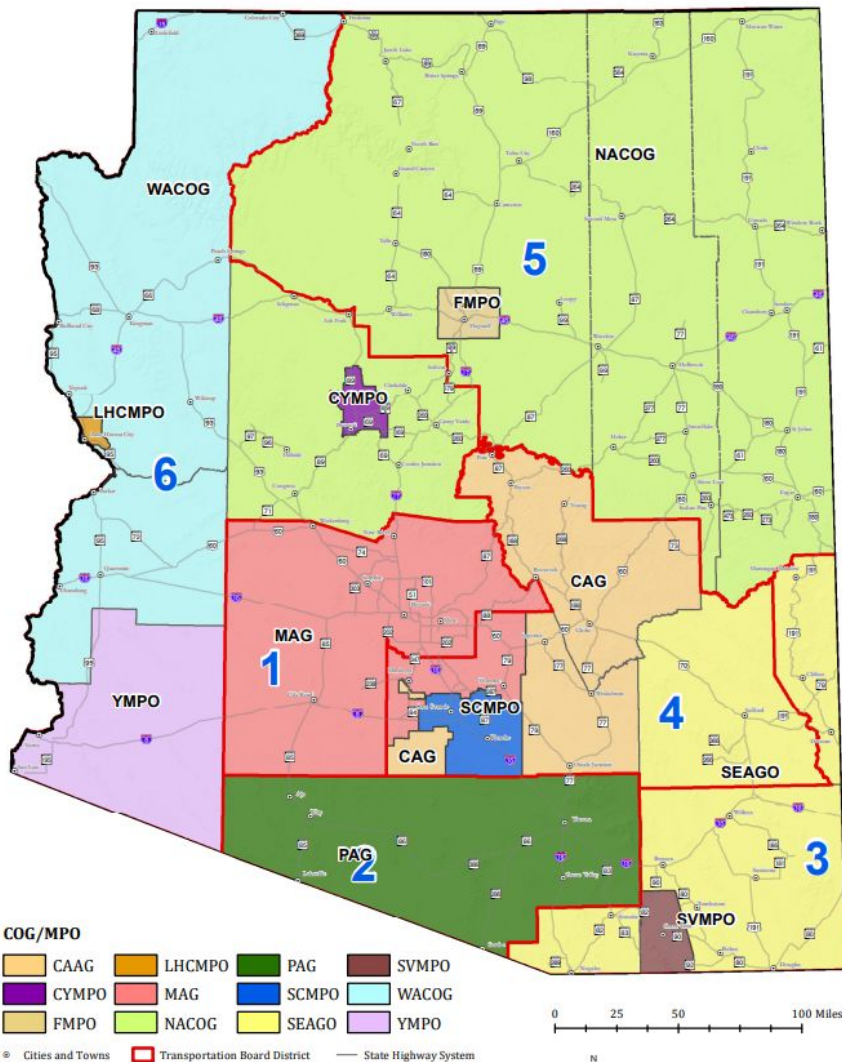
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Multimodal Planning Division

Learning Objectives

- Recognize the difference between the STIP and ADOT's 5-year construction program
- Understand the process for developing the 5-year construction program and the participants involved
- Understand the differences between "line items" and "subprograms" in the 5-year construction program
- Know the process to amend the 5-year construction program

Arizona COGs and MPOs

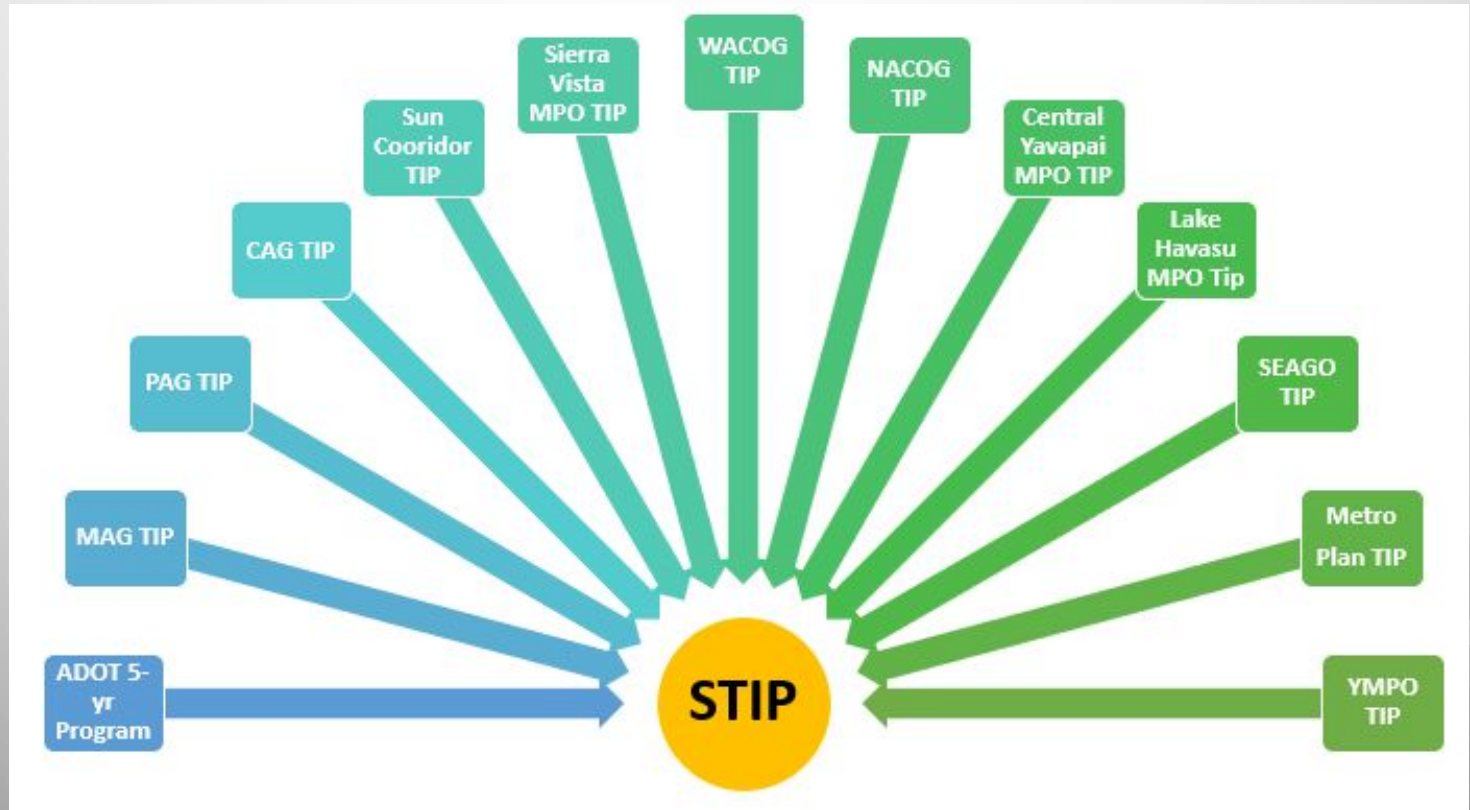
- Council of Governments (COG):
 - a voluntary regional body comprising several counties with a total contiguously urbanized population of less than 50,000
 - regional transportation planning, collaboration, and decision making
- Metropolitan Planning Organization (MPO):
 - a governmental entity *required* in urban areas with population greater than 50,000
 - provides comprehensive regional transportation planning process
- Currently 12 COGs/MPOs based on 2010 Census
- Possibly two more MPOs based on 2020 Census



State Transportation Improvement Program (STIP)

- Includes 13 TIPs (ADOT and 12 COGs/MPOs)
- 4 year term
- Requirement to use of federal funds
- Consultation and Cooperation
- All projects regardless of ROW ownership or funding source
- Development governed by 23 CFR 450.218
- Fiscally constrained
- Federal Fiscal Year basis (10/1 - 9/30)
- Approved by FHWA and/or FTA

Arizona STIP



STIP Contents and Amendments

Project listings:

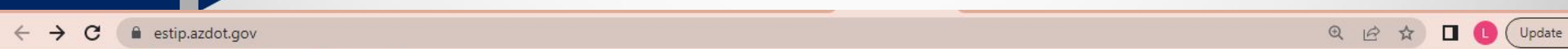
- Project name, location and type of work
- All project phases
- Funding for each phase
- Year of each phase
- Project map

Amendments Required for changes in:

- Scope
- Schedule
- Budget
- COGs/MPOs may have varying processes



eSTIP - <https://estip.azdot.gov/>



eSTIP Projects

Amendments

Advanced Search

Projects by County

Interactive Map

Information

State Transportation Improvement Program (STIP)

ADOT ID County Lead Agency Project Type Federal Year Route [Reset](#)

983 transportation project(s)

[Export to Excel](#)

ADOT ID	Region	County	Lead Agency	Title	Project Type	Funds	Fed Yr	Total Cost
101684	MAG	Maricopa	ADOT	I 10: 443rd Ave - Wintersburg Rd	Road - Rehabilitation	Federal	2023, Prior	\$27,416,000
100195	NACOG	Apache	ADOT	Window Rock TI OP EB/WB & Lupton TI OP EB/WB	Bridge - Rehab	Federal	2023, 2025, Prior	\$5,486,000
103133	NACOG	Apache	ADOT	SR 61 - Wildcat Creek	Road - Rehabilitation	Federal	2023, 2025	\$18,792,000
103136	SVMPO	Cochise	ADOT	Hatfield Street to Industry Drive	Road - Rehabilitation	Federal	2023, 2025	\$10,192,000
103138	PAG	Pima	ADOT	Tracy - Bia 132	Road - Rehabilitation	Federal	2023, 2025	\$15,231,000
100202	WACOG	La Paz	ADOT	Centennial Wash Bridge	Bridge - Replace	Federal	2024, Prior	\$11,796,000
102473	WACOG	La Paz	ADOT	E. of Vicksburg Rd to Jct SR 72	Road - Rehabilitation	Federal	2024, Prior	\$5,560,162

ADOT 5-yr Program

- 5 year term
- ADOT's Transportation Improvement Plan (TIP)
- Projects on ADOT ROW and local projects funded from 5-yr program (Line items)
- Subprograms for projects/costs yet to be determined
- State Requirement (ARS §28-6951 et seq.)
- State Transportation Board Policies #19 - #21
- State Fiscal Year basis (7/1 - 6/30)
- Approved by the State Transportation Board
- Contains following sections:
 - Statewide
 - Local (projects selected through ADOT competitive programs)
 - Maricopa County (projects programmed by MAG)
 - Pima County (projects programmed by PAG)
 - Aeronautics (programmed by ADOT Aeronautics)

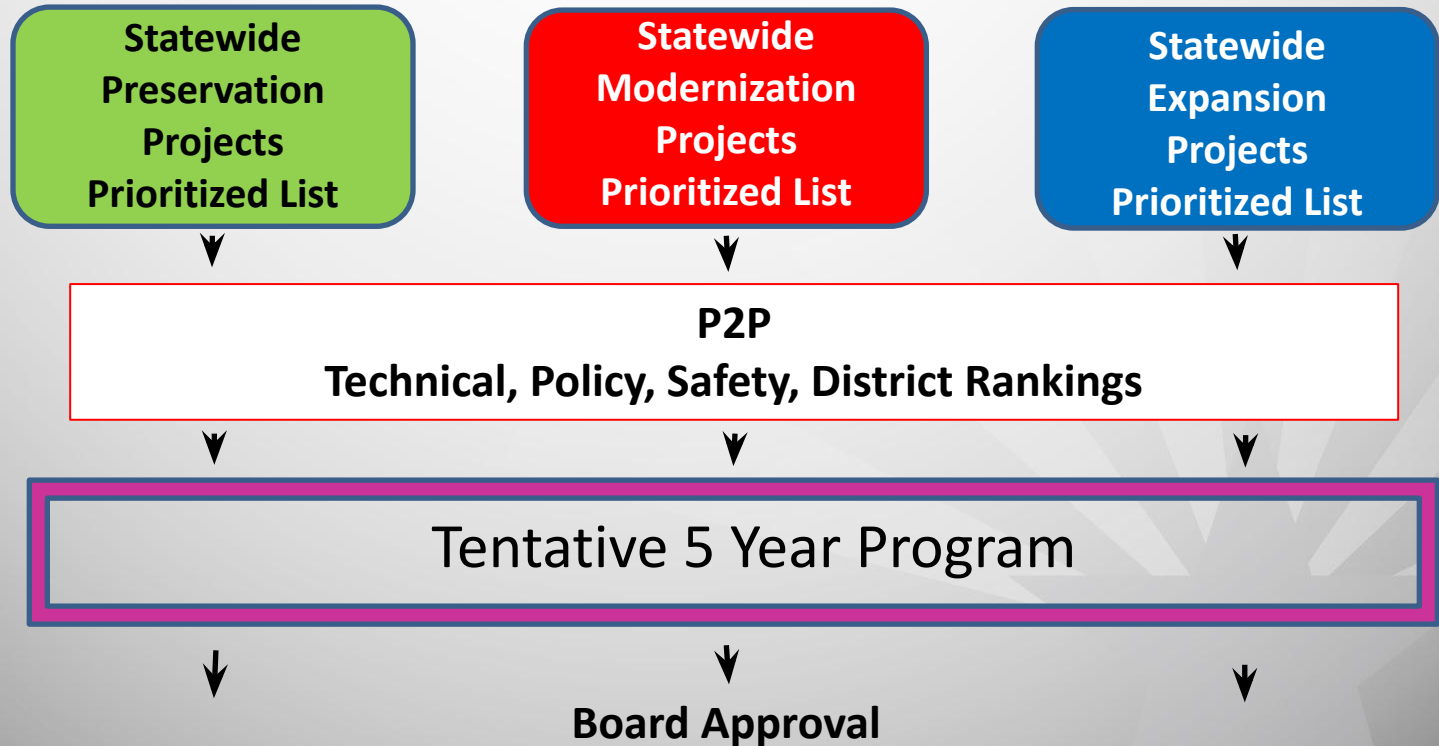
Participants and Roles

- Multimodal Planning Division (MPD) Programming - develops the program
- MPD Planning - creates the LRTP and coordinates P2P process
- State Engineer's Office - provides guidance and direction
- Financial Management Service (FMS) - forecasts available revenue
- District Engineers - identify potential new projects
- Statewide Project Management Group (PMG) - designs and constructs projects listed in Statewide section
- COGs/MPOs -
- State Transportation Board - reviews and approves tentative and final programs
- Project Review Board (PRB) - change management process
- Priority Planning Advisory Committee (PPAC) - reviews and approves program for Board consideration; change management process

ADOT 5-yr Program Development Process



L RTP Recommended Investment Choices Planning to Programming (P2P)



Examples of Work for P2P Categories

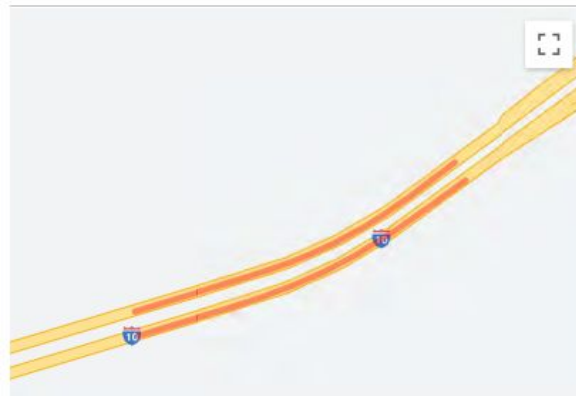
PRESERVATION Activities that preserve infrastructure by sustaining asset condition or extending asset service life	MODERNIZATION Improvements that upgrade efficiency, functionality, and safety without adding capacity	EXPANSION Improvements that add capacity through the addition of new facilities and/or services
Eligible Work Types Preservation Treatments <ul style="list-style-type: none"> • Surface Seal • Thin Overlay • Deck Joint • Deck Overlay Rehabilitation <ul style="list-style-type: none"> • Minor Mill & Fill • Major Overlays or Resurfacing • Substructure retrofitting Reconstruction <ul style="list-style-type: none"> • Major Rehabilitation at the end of pavement service life • Reconstructing bridges that are structurally deficient • Bridge Rehab/Replacement (NOT due to functional obsolescence) 	Eligible Work Types Widening existing lanes / shoulders Intersection and interchange reconfiguration Enhancements to address functional obsolescence Traffic control and management Safety modifications / enhancements ITS modifications / enhancements Bicycle lane improvements Rockfall Mitigation Stormwater Mitigation	Eligible Work Types New routes New lanes New rail New intersection / interchange Intersection / Interchange capacity enhancement
Policy Goal: Manage assets to reduce life cycle costs, set and manage preservation targets, and ensure safe, reliable operation of the transportation system	Policy Goal: Improve safety and reliability, reduce congestion, improve economic vitality, increase multimodal usage	Policy Goal: Provide capacity to improve mobility, reduce congestion, and support economic productivity

5-yr Program Line items

ADOT ID	101694	MPO/TIP	SEAGO 23-00	Local ID		Total Cost	\$1,056,487
Lead Agency	ADOT	Contact	MPD-Planning 602-712-7333	ADOT Number		County	Cochise
Project Type	Road - Add Capacity/Widening	Air Quality	Exempt	TCM		Construction	2024 start
Project Name	I-10; MP 302.95 - MP 303.4						
Route	I 10						
Project Limits	I 10 milepost 302.95 to 303.4 (.45 mile)						
Description	Climbing Lane						

Phase	Fund Source	Prior	FY2023	FY2024	FY2025	FY2026	FY2027	Future	Total
DESIGN	HSIP	-	\$223,455	-	-	-	-	-	\$223,455
DESIGN	State Match	-	\$13,406	-	-	-	-	-	\$13,406
	<i>Total DESIGN</i>	-	\$236,861	-	-	-	-	-	\$236,861
CON	HSIP	-	-	\$773,235	-	-	-	-	\$773,235
CON	State Match	-	-	\$46,391	-	-	-	-	\$46,391
	<i>Total Construction</i>	-	-	\$819,626	-	-	-	-	\$819,626
	Total Programmed	-	\$236,861	\$819,626	-	-	-	-	\$1,056,487

- Generally numbered as 1XXXXX
- Specific *projects* - name, description, route, county, MP, etc.
- Year of authorization for each phase
- Amount and funds for each phase
- Map of location
- Version History
- Usually requires PRB only approval to initiate
- Changes in scope, schedule or budget may require PPAC and Board approval



Version History

TIP Document	MPO Approval	State Approval	FHWA Approval	FTA Approval
21-00 Adoption 2021-2025	08/02/2020	10/27/2020	02/02/2021	02/02/2021
22-00 Adoption 2022-2026	04/04/2020	6/18/2021	11/03/2021	N/A
23-00 Adoption 2023-2027	Pending	Pending	Pending	N/A

Current Change Reason

SCHEDULE / FUNDING / SCOPE - Other schedule change described below

Funding Change(s):
Total project cost stays the same \$1,056,487

See the entire ADOT Five Year Program at <https://azdot.gov/sites/default/files/media/2022/06/2023-2027-Final-Five-Year-Program.pdf>

5-yr Program Subprograms

- Generally numbered as 7XX
- Pot of \$ for yet to be identified needs
- Each is for a specific *purpose* (vs project)
- Each has a manager responsible for tracking funding and projects
- New projects usually require PRB, PPAC and Board approval
- May also require MAG approval if in Maricopa County
- Competitive programs may require additional steps/approvals

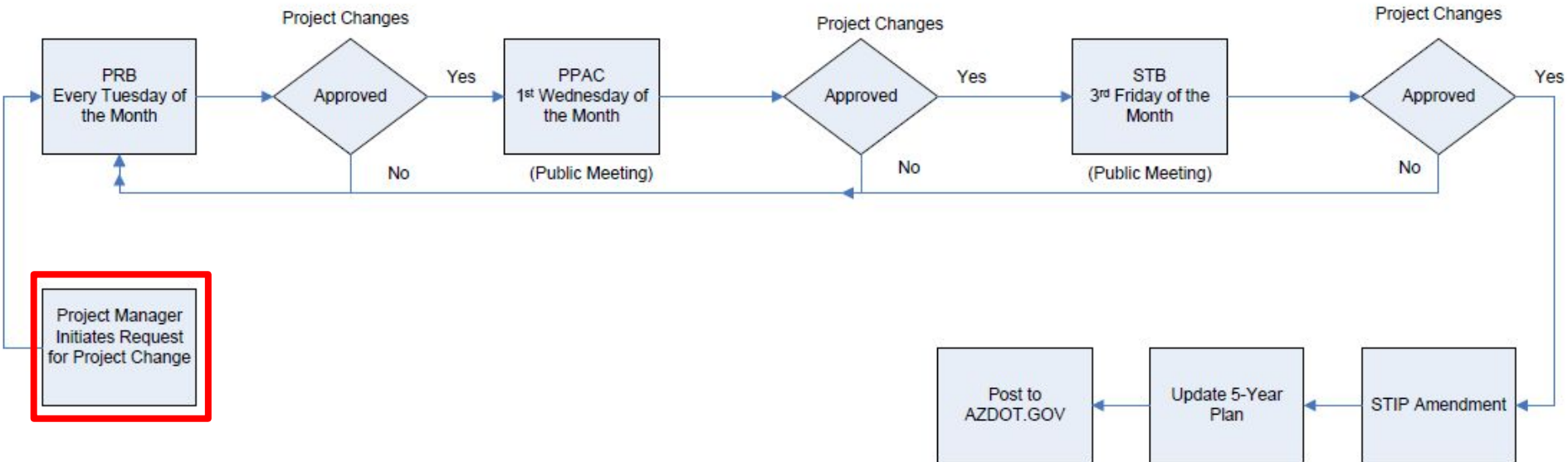
ADOT ID 714	MPO/TIP Statewide 24-00	Local ID	Total Cost \$40,514,000
Lead Agency ADOT	Contact David Benton 602-712-7910	ADOT Number C	County Statewide
Project Type Bridge - Rehab	Air Quality	TCM	Construction 2011 start
Project Name Statewide Bridge Inspection & Inventory	Eng District N		
Route N/A			
Project Limits Various Locations			
Description 126.00 Bridge Inspection Program for emergency bridge repairs & upgrading, Deck Rehabilitation & Replacement and Scour			

Phase	Fund Source	Prior	FY2024	FY2025	FY2026	FY2027	FY2028	Future	Total
CON	Federal Aid	\$9,592,196	-	-	-	-	-	-	\$9,592,196
CON	State Match	\$921,804	-	-	-	-	-	-	\$921,804
Total Construction		\$10,514,000	-	-	-	-	-	-	\$10,514,000
OTHER	Federal Aid	-	\$5,658,000	\$5,658,000	\$5,658,000	\$5,658,000	\$5,658,000	-	\$28,290,000
OTHER	State Match	-	\$342,000	\$342,000	\$342,000	\$342,000	\$342,000	-	\$1,710,000
Total Other		-	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	-	\$30,000,000
Total Programmed		\$10,514,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	-	\$40,514,000

*Various Locations	Version History						
	TIP Document	MPO Approval	State Approval	FHWA Approval	FTA Approval		
	18-00	Adoption 2018-2022	10/05/2017	09/20/2017	02/25/2018	N/A	
	19-00	Adoption 2019-2023	10/01/2018	10/01/2018	02/05/2019	N/A	
	20-00	Adoption 2020-2024	10/01/2019	10/1/2019	3/16/2019	N/A	
	20-20-1	Amendment 2020-2024	01/15/2021	1/15/2021	N/A	N/A	

Amending Projects in 5-year Program

- ADOT amendment process:
 - Weekly Project Review Board meetings of technical groups to consider changes
 - Monthly Priority Planning Advisory Committee (PPAC) meeting
 - Monthly Board meeting



Questions?