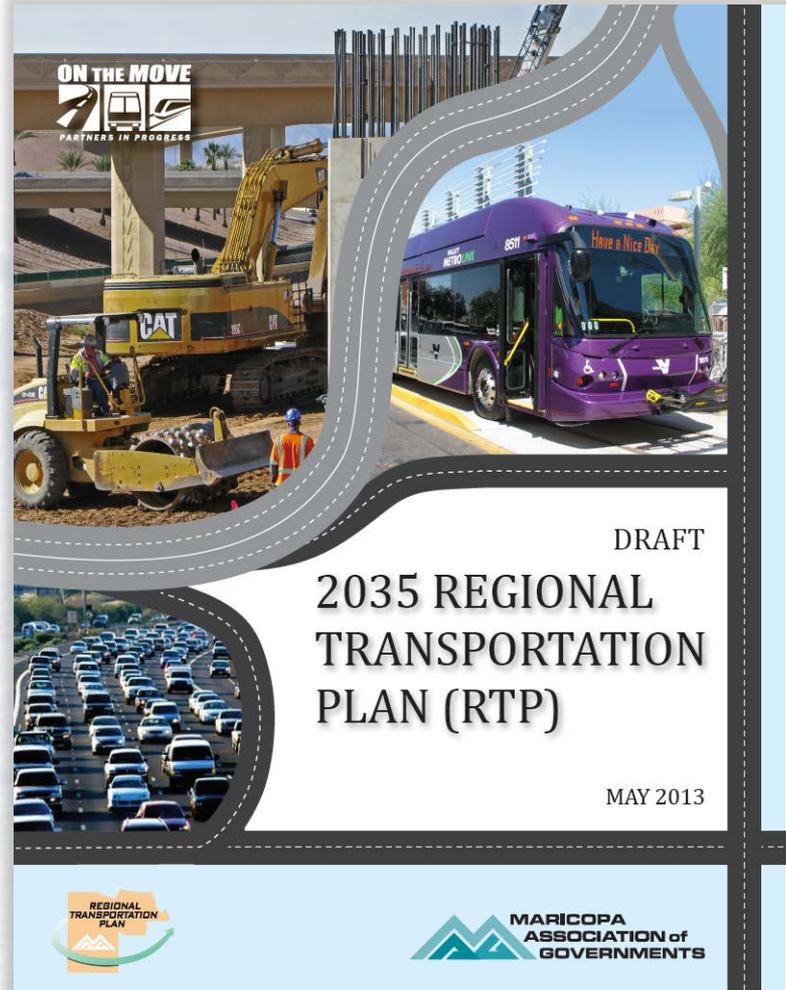


Draft 2035 Regional Transportation Plan

**MAG Public Meeting
September 19, 2013**



ON THE MOVE
PARTNERS IN PROGRESS

DRAFT
**2035 REGIONAL
TRANSPORTATION
PLAN (RTP)**

MAY 2013

 **REGIONAL
TRANSPORTATION
PLAN**

 **MARICOPA
ASSOCIATION of
GOVERNMENTS**



The RTP Guides Investments and meets Federal and State Requirements.

- Provides a long-range blueprint.
- Extend through Fiscal Year 2035.
- Is required to maintain eligibility for federal transportation funding.
- Must be updated at least every four years.
- Draft 2035 RTP continues established plans, priorities and policies.



The RTP is a Comprehensive Document.

- Regional Development Overview
- Public Involvement, Title VI and Environmental Justice
- Consultation on Environmental Mitigation and Resource Conservation
- Financial Plan
- Freeways and Highways
- Arterial Streets
- Public Transit
- Bicycles and Pedestrians, Freight, Special Needs Transportation
- Transportation Enhancement Activities
- Extended Regional Transportation Planning Outlook
- Systems Management and Operations, Demand Management
- Congestion Management Process
- Performance Monitoring and Assessment
- Transportation Safety, Transportation Security
- Air Quality Conformity



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The RTP is a Comprehensive Document.

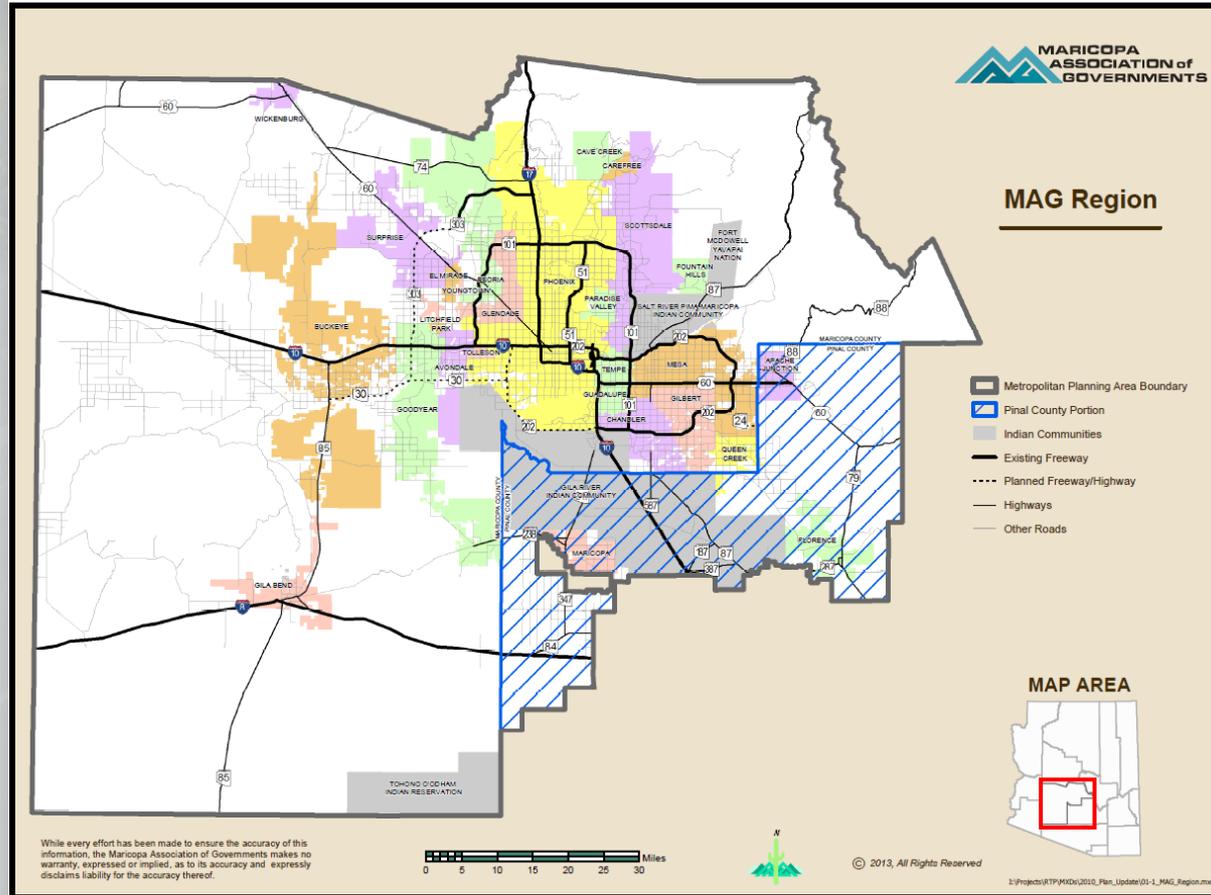
- Regional Development Overview
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- **Systems Management and Operations**, Demand Management
- Congestion Management Process
- **Performance Monitoring** and Assessment
- **Transportation Safety**, Transportation Security
- Air Quality Conformity

The RTP Extends through FY 2035.

- Group 1: FY 2014-FY 2018
(TIP period)
- Group 2: FY 2019-FY 2026
(Beyond TIP but within life cycle programs)
- Group 3: FY 2027-FY 2035
(Beyond life cycle programs but within RTP)



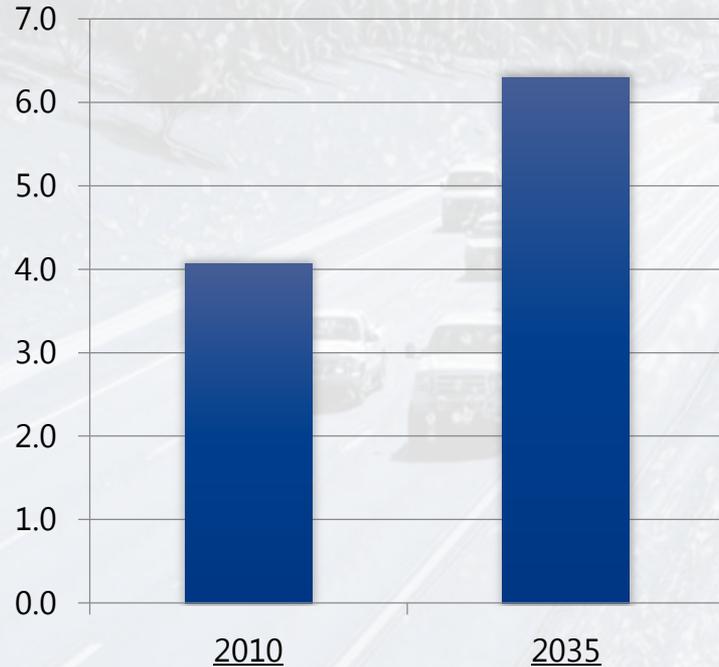
The RTP Covers the Expanded MAG Region.



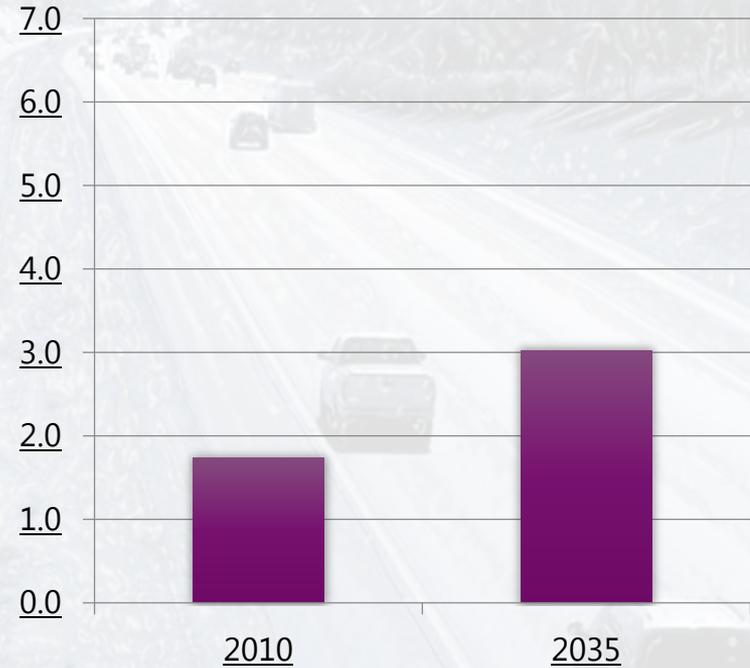
Population and Employment Growth

(2010 to 2035, millions)

Population



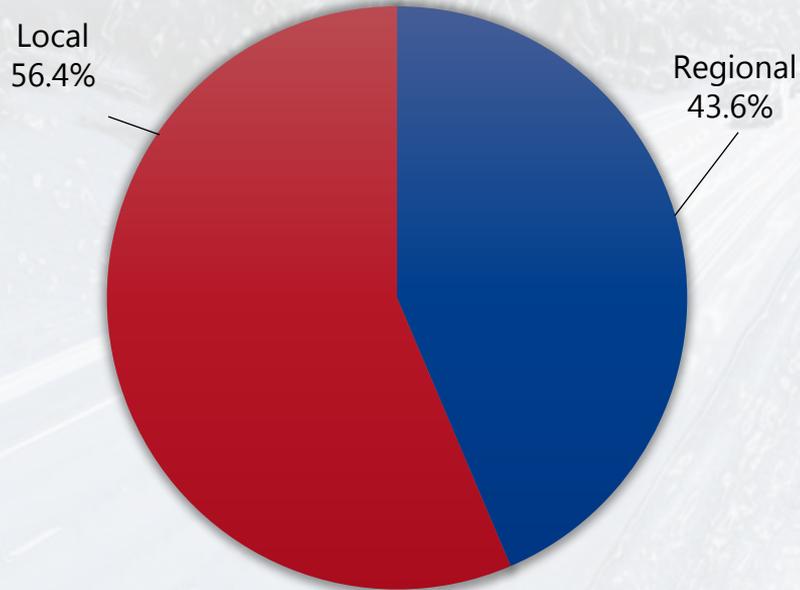
Employment



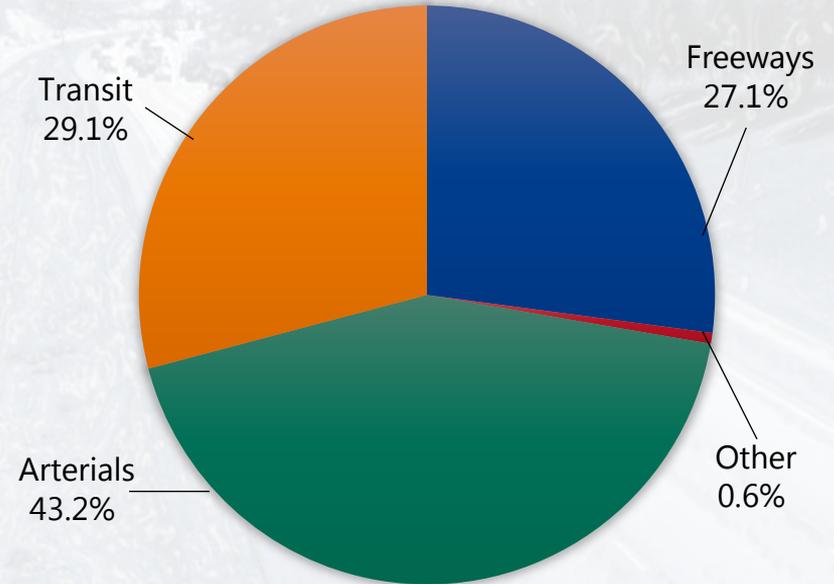
Total Funding – Sources & Uses

(FY 2014-FY 2035, YOE \$'s)

Sources



Uses

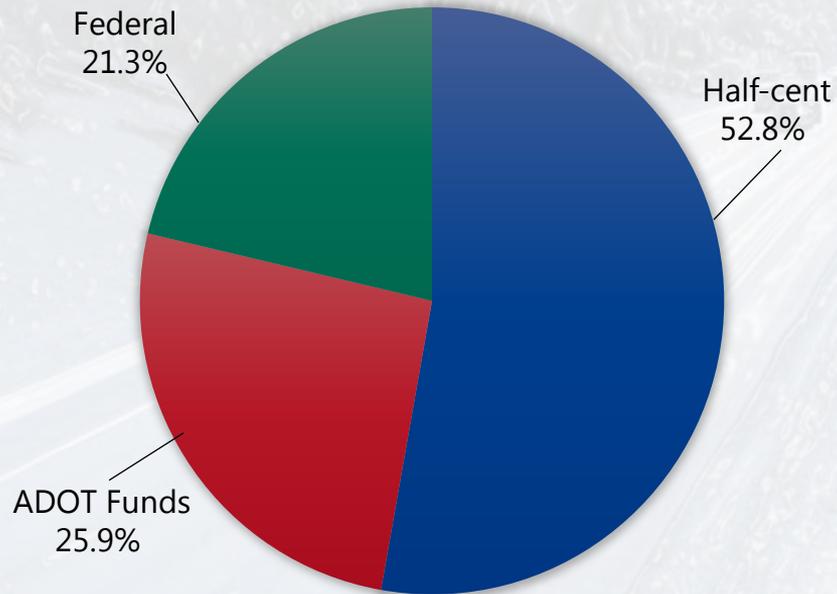


Total Funding: \$59.0 billion (YOE \$'s)

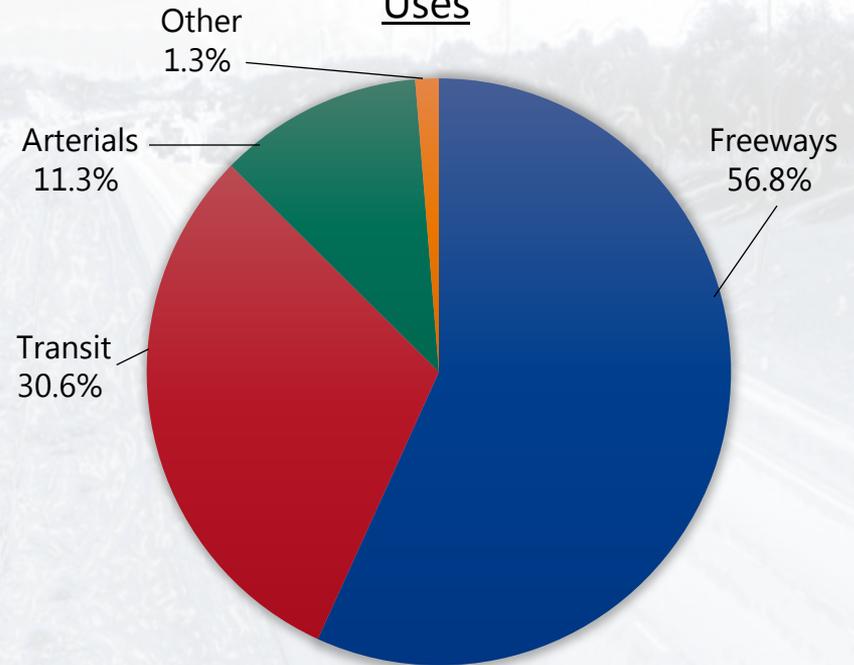
Regional Funding - Sources & Uses

(FY 2014-FY 2035, YOE \$'s)

Sources



Uses

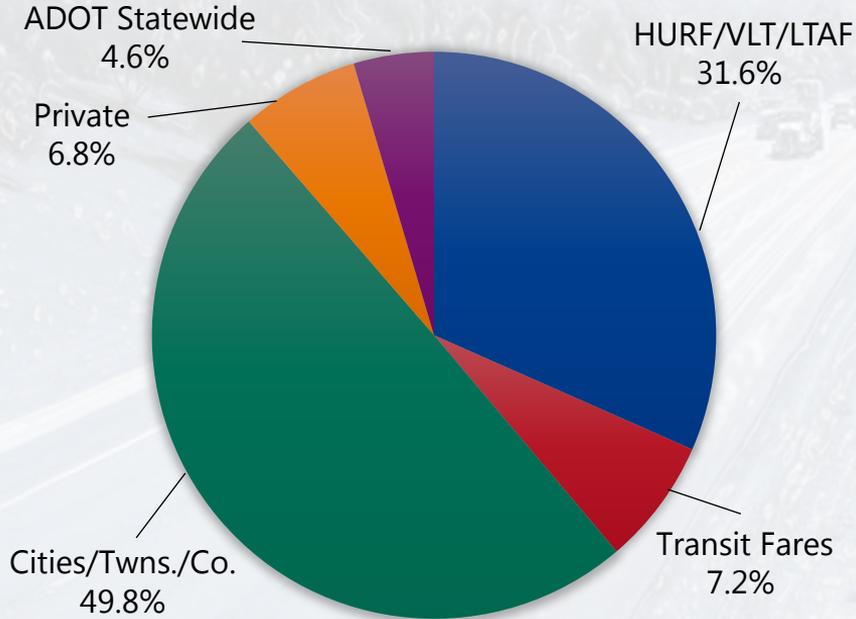


Regional Funding: \$25.7 billion (YOE \$'s)

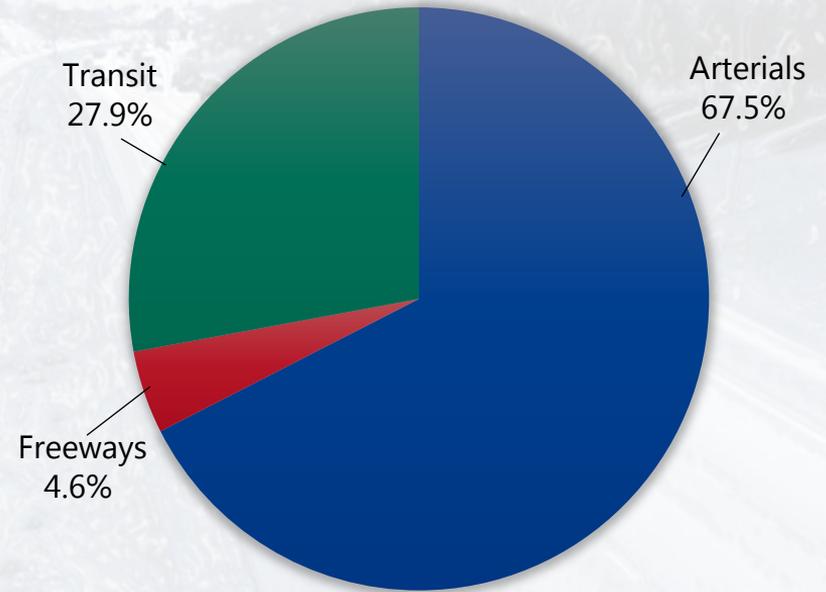
Local Funding - Sources & Uses

(FY 2014-FY 2035, YOE \$'s)

Sources

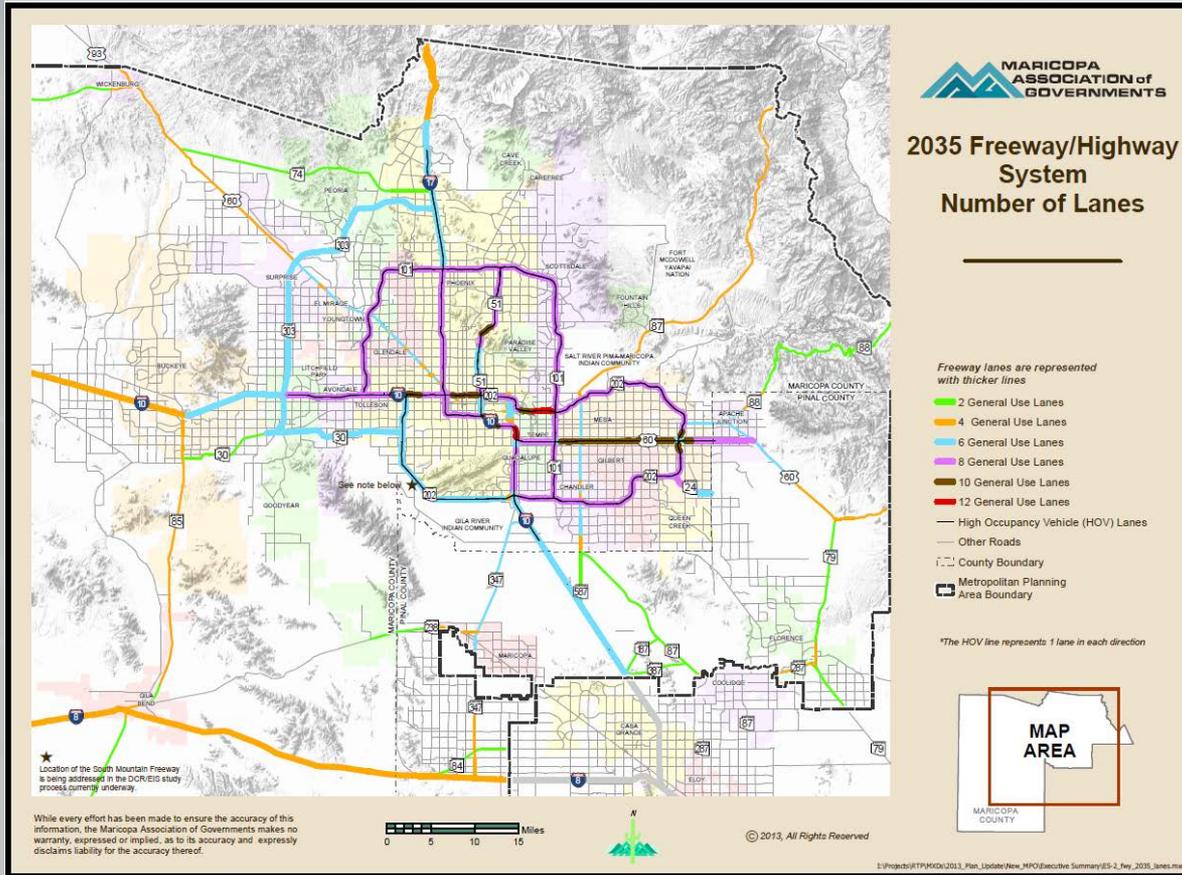


Uses

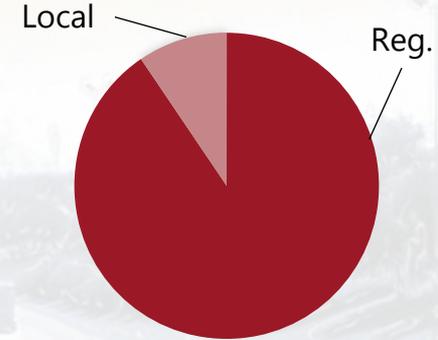


Local Funding: \$33.3 billion (YOE \$'s)

Freeway/Highway System

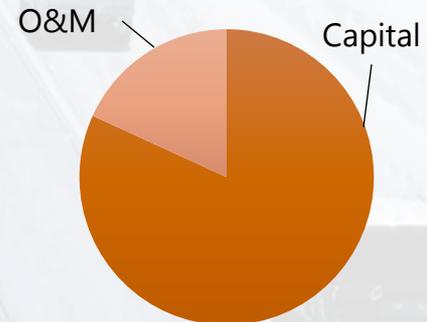


Sources



\$16.1 billion (YOE \$'s)

Uses



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Freeway/Highway Projects

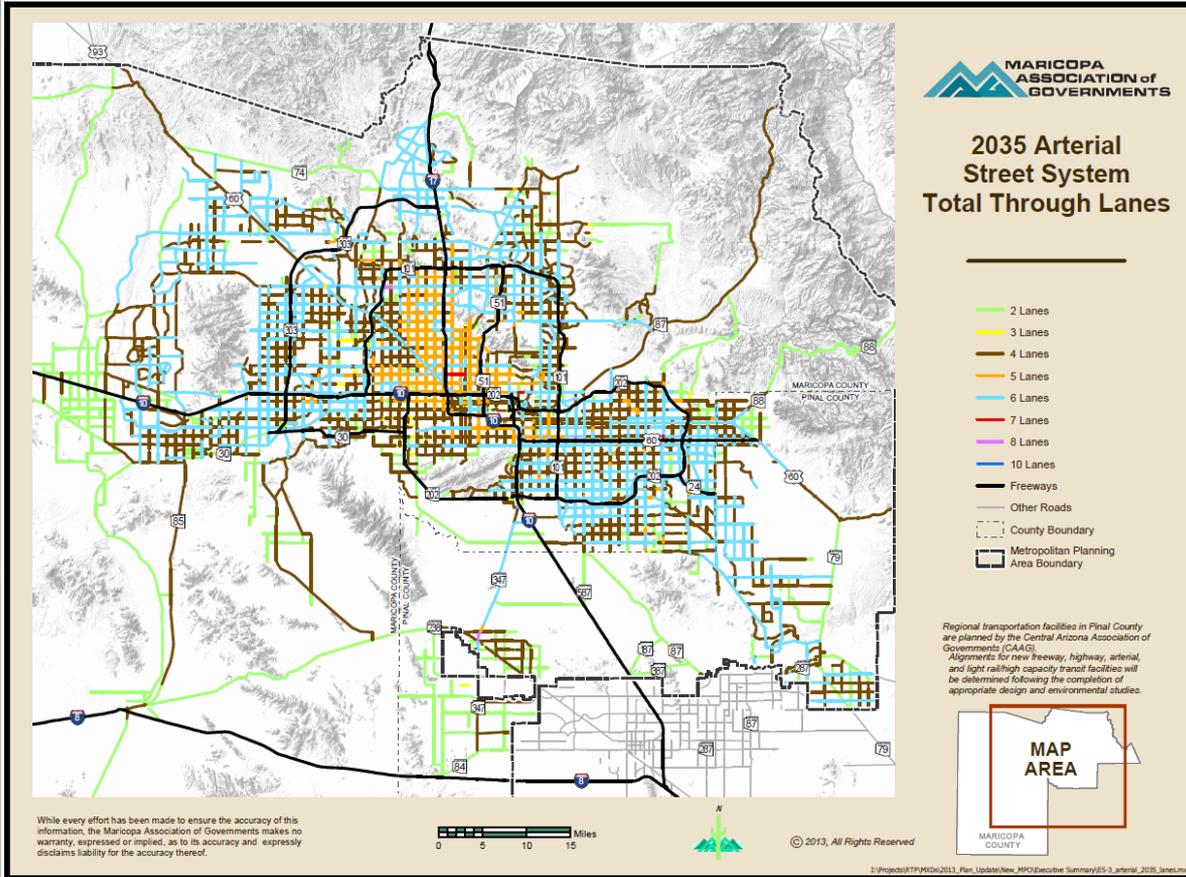


TABLE A-1
2035 REGIONAL TRANSPORTATION PLAN
REGIONAL FREEWAY/HIGHWAY PROJECTS

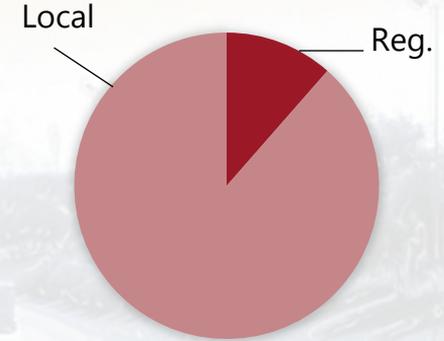
PROJECT TYPE	CORRIDOR	PROJECT DESCRIPTION	COST FY 2014 - FY 2035 (2013 \$'S IN THOUSANDS)	PLAN GROUP
I-16 PAPAGO CORRIDOR				
GPL	10	SR101L Agua Fria - I-17 (Utilities)	14,400	Group 1
TI	10	Fairview Dr (TI)	20,300	Group 2
GPL	10	SR85 - Verrado Way	42,800	Group 3
		Sub-total	77,500	
I-10 MARICOPA CORRIDOR				
GPL	10	32nd St - 202L Santan (Phase 1)	179,100	Group 2
GPL	10	32nd St - 202L Santan (Phase 2)	122,000	Group 2
GPL	10	32nd St - 202L Santan (Phase 3)	191,200	Group 2
HOV/GPL	10	SR202L Santan - Riggs Rd	73,700	Group 2
TI	10	Sky Harbor West Airport Access	60,800	Group 2
TI	10	Chandler Heights	22,900	Group 2
		Sub-total	639,500	
I-17 BLACK CANYON CORRIDOR				
MISC	17	Peoria Ave - Greenway Rd (Drainage Improvements)	16,500	Group 2
HOV/GPL	17	I-10/I-17 Split - SR101L Agua Fria	877,400	Group 2
HOV	17	SR74, Carefree Highway - Anthem Way	89,500	Group 3
GPL	17	Anthem Way - New River	67,400	Group 3
		Sub-total	1,040,800	
SR24 GATEWAY CORRIDOR				
NEW	24	SR202L Santan - Ellsworth Rd Ph 2 (Full Freeway Upgrade)	48,900	Group 3
NEW	24	Ellsworth Rd - Meridian Rd	212,800	Group 3
		Sub-total	266,500	
SR30, L-10 RELIEVER CORRIDOR				
NEW	30	SR303L - SR202L, South Mountain (R/W Protection)	65,900	Group 2-3
NEW	30	SR85 - SR303L	192,700	Group 3
NEW	30	303L - Estrella Pkwy	276,400	Group 3
NEW	30	Estrella Pkwy - Dysart Rd	243,400	Group 3
NEW	30	Dysart Rd - Avondale Blvd	116,500	Group 3
NEW	30	Avondale Blvd - 87th Ave	148,900	Group 3
NEW	30	87th Ave - 87th Ave	223,200	Group 3
NEW	30	87th Ave - 202L South Mountain	296,800	Group 3
		Sub-total	1,556,900	
SR51 PIESTEWA CORRIDOR				
GPL	51	Shea Blvd - SR101L, Pima	60,200	Group 3
US60 GRAND AVENUE CORRIDOR				
TI	60S	Bell Rd TI	45,000	Group 1
TI	60S	Thompson Ranch/Thunderbird (TI)	13,000	Group 1
IMP	60S	SR101L Agua Fria - Van Buren St (Phase 2)	20,800	Group 1
GPL	60S	SR101L Agua Fria - Van Buren St (Phase 3)	85,200	Group 3
		Sub-total	194,700	
US60 SUPERSTITION CORRIDOR				
TI	60S	Meridian Rd (Half Interchange)	11,700	Group 1
HOV/GPL	60S	Crismon Rd - Meridian Rd	28,400	Group 2
TI	60S	Lindsay Rd Half Interchange	8,200	Group 3
		Sub-total	48,300	



Arterial Street Network

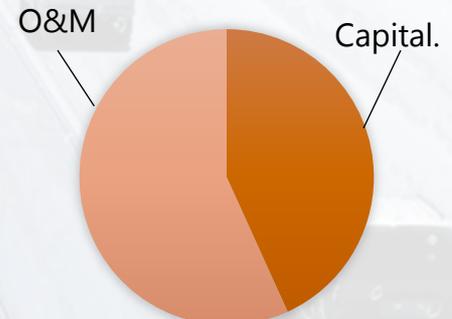


Sources



\$25.4 billion

Uses



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Arterial Street Projects

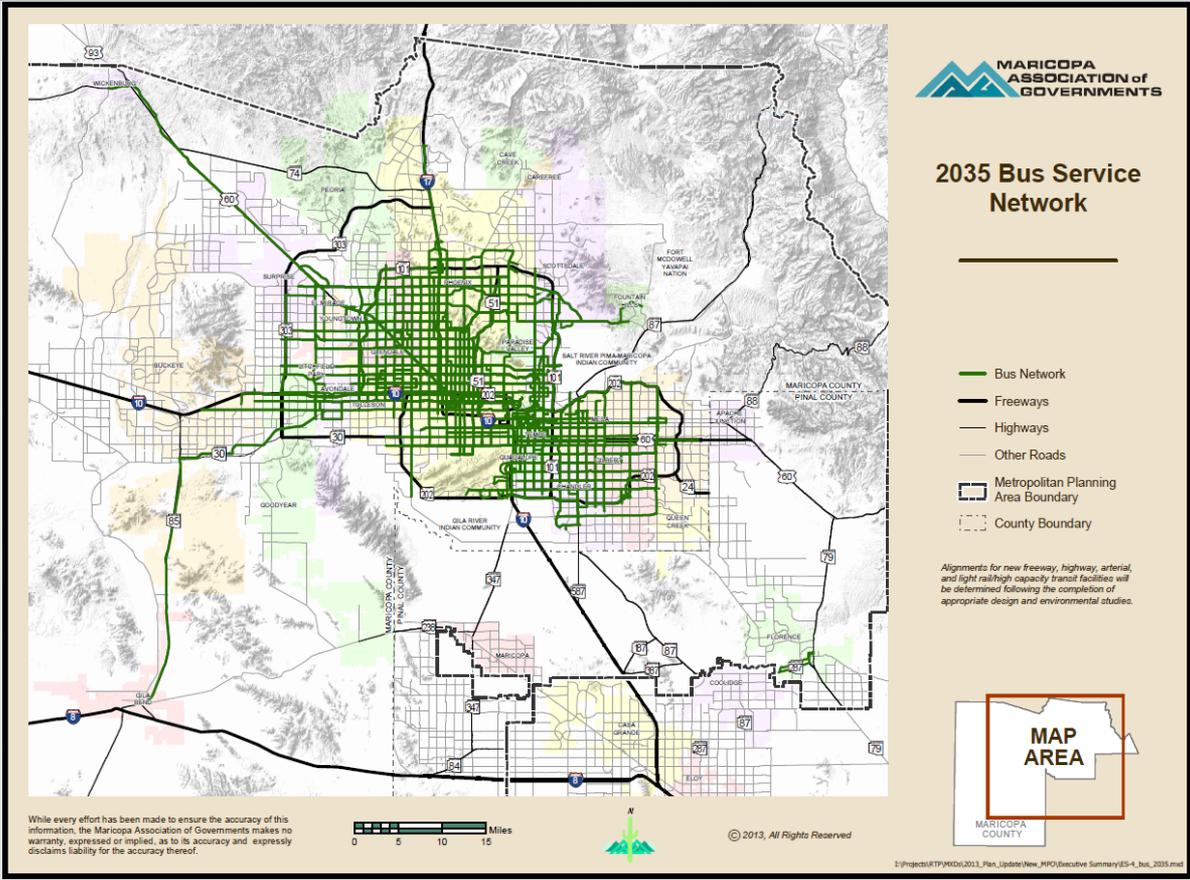


TABLE B-1
2035 REGIONAL TRANSPORTATION PLAN
REGIONALLY FUNDED ARTERIAL STREET PROJECTS

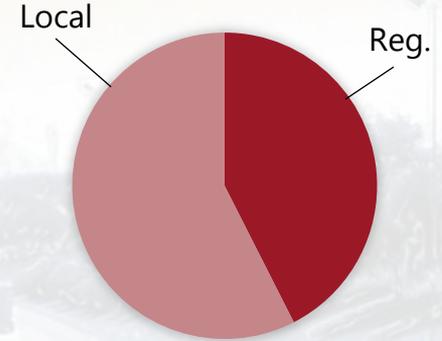
FACILITY/LOCATION	REGIONALLY FUNDED REIMBURSEMENTS: FY 2014 - FY 2026 (2011 \$'S in THOUSANDS)	REGIONALLY FUNDED REIMBURSEMENTS: FY 2026 - FY 2035 (2011 \$'S in THOUSANDS)	TOTAL PROJECT COST: FY 2014 - FY 2035 (2011 \$'S in THOUSANDS)	PLAN GROUP
CHANDLER				
Arizona Ave/Chandler Blvd	0	0	0	Project Completed
Arizona Ave/Elliott Rd	0	0	0	Project Completed
Arizona Ave/Ray Rd	0	0	0	Project Completed
Arizona Ave: Ocotillo Rd to Hunt Highway	4,433	3,018	16,692	Group 2
Chandler Blvd/Alma School Rd	2,606	942	10,832	Group 1
Chandler Blvd/Dobson Rd	0	0	0	Project Completed
Chandler Blvd/Kyrene Rd	0	3,776	8,305	Group 3
Gilbert Rd: SR-202L to Hunt Hwy				
Gilbert Rd: SR-202L/Germann to Queen Creek Rd	0	0	0	Project Completed
Gilbert Rd: Queen Creek to Hunt Hwy	0	0	0	Project Completed
Gilbert Rd: Queen Creek Rd to Ocotillo Rd	1,869	0	0	Project Completed
Gilbert Rd: Ocotillo Rd to Chandler Heights	6,160	0	4,853	Group 1
Gilbert Rd: Chandler Heights Rd to Hunt Hwy	3,528	2,649	5,298	Group 1
Kyrene Rd/Ray Rd	3,776	0	8,763	Group 2
Price Rd Substitute Projects				
Chandler Heights Rd: Arizona Avenue to McQueen Road	7,325	0	11,157	Group 2
Chandler Heights Road: McQueen Road to Gilbert Road	6,535	0	27,903	Group 2
McQueen Road: Ocotillo Road to Riggo Road	6,482	0	10,786	Group 1
Ocotillo Road: Arizona Avenue to McQueen Road	5,295	1,408	13,486	Group 1
Ocotillo Road: Cooper Road to Gilbert Road	6,499	0	13,637	Group 2
Price Rd at Germann Rd: Intersection Improvements	3,178	0	5,415	Group 2
Price Rd at Queen Creek Rd: Intersection Improvements	5,222	0	6,687	Group 2
Price Rd: Santan to Germann	0	0	0	Project Completed
Ray Rd/Alma School Rd	0	0	0	Project Completed
Ray Rd/Dobson Rd	6,718	0	10,515	Group 2
Ray Rd/McClintock Dr	5,646	0	8,419	Group 1
Ray Rd/Rural Rd	3,775	0	7,907	Group 2
CHANDLER/GILBERT				
Queen Creek Rd: Arizona Ave to Higley Rd				



Bus Service Network

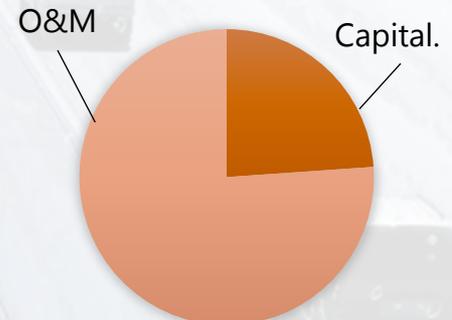


Sources



\$10.8 billion

Uses



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Bus Service Projects

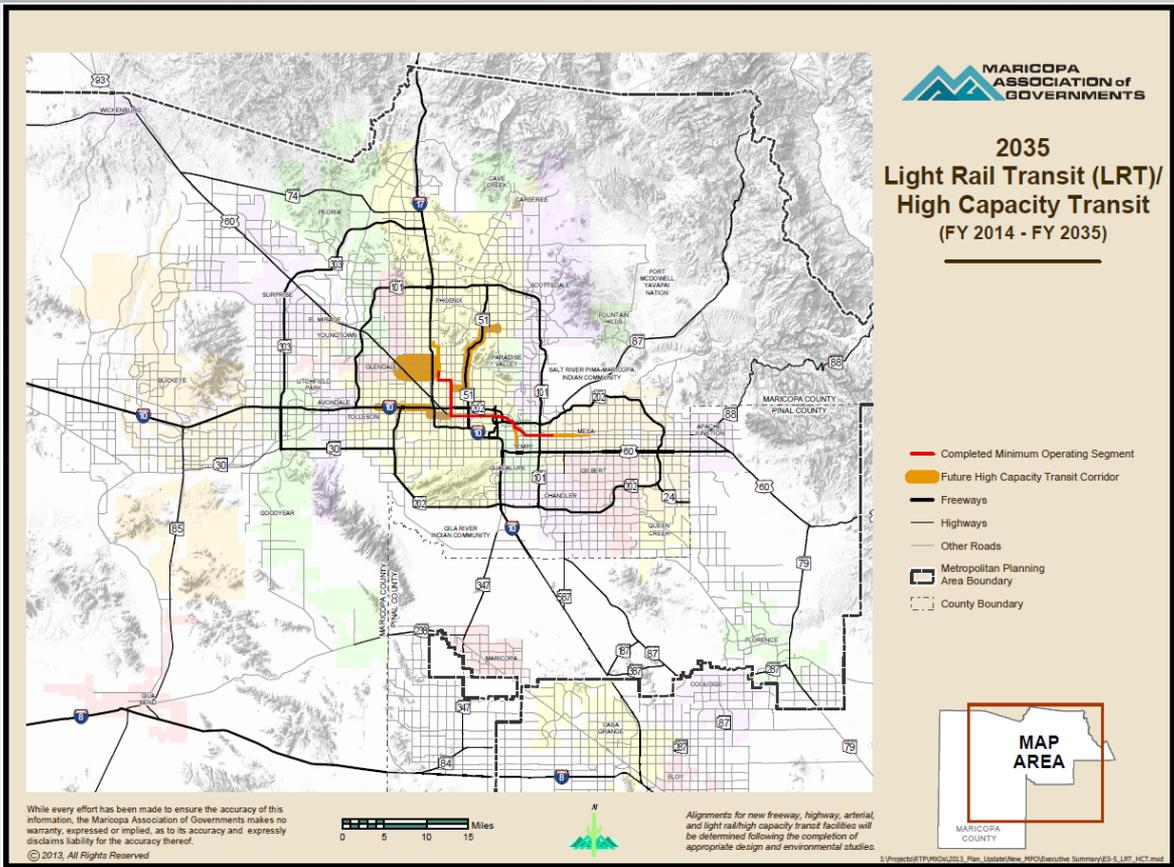


TABLE C-1
2035 REGIONAL TRANSPORTATION PLAN
REGIONAL BUS ROUTES - OPERATING

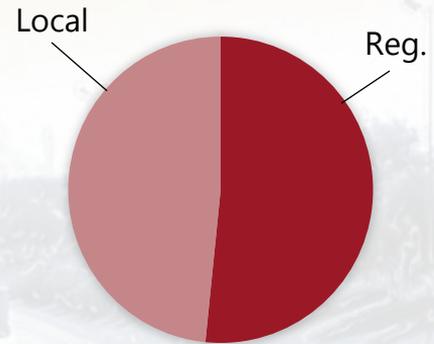
ROUTE	OPERATING COSTS FY 2014 - FY 2035 (2013 \$'s in THOUSANDS)	PLAN GROUP ¹
Express and LINK		
511 Tempe/Scottsdale Airport Express	6,672	Existing
512 Scottsdale Express	5,474	Existing
520 Tempe Express	2,524	Existing
521 Tempe Express	6,241	Existing
522 Tempe Express SC	6,099	Existing
531 Mesa/Gilbert Express	11,228	Existing
533 Mesa Express	12,614	Existing
535 Northeast Mesa/Downtown Express	10,196	Existing
541 Chandler Express	7,821	Existing
542 Chandler/Downtown Express	10,140	Existing
562 Goodyear Express	5,327	Existing
563 Buckeye Express	2,822	Existing
571 Surprise Express	3,489	Existing
573 Northwest Valley/Downtown Express	11,922	Existing
575 Northwest Valley/Downtown Express	7,704	Existing
Anhauke Connector	1,334	Group 3
Anthem Express	3,350	Group 3
Apache Junction Express	4,440	Group 3
Arizona Ave/Country Club LINK	31,339	Existing
Avondale Express	4,108	Group 2
Black Canyon Freeway Connector	2,179	Group 3
Buckeye Express	4,043	Group 3
Chandler Blvd LINK	8,908	Group 3
Grand Ave Limited	3,153	Existing
Loop 303 Express	4,006	Group 3
Main St LINK	36,220	Existing
North I-17 Express	3,617	Group 3
Peoria Express	3,639	Group 3
Prima Express	3,358	Group 3
Red Mountain Freeway Connector	3,086	Group 3
San Tan Express	8,780	Group 3
Scottsdale/Rural Rd LINK	22,428	Group 1
South Central Express	19,924	Existing
South Central LINK A	2,783	Group 3
South Central LINK B	2,919	Group 3
Superstition Freeway Connector	1,341	Group 3
Superstition Springs Express	4,685	Group 3
Sub-total	289,012	
Super-rapid Routes		
3 Van Buren St	18,782	Existing
13 Buckeye Rd	5,312	Group 3
17 McDowell/McKellips	25,067	Existing
29 Thomas Rd	12,983	Group 1
30 University Dr	23,530	Group 2
40 Main St	48,017	Existing
41 Indian School Rd	8,301	Group 3



Light Rail Transit/High Capacity Transit System

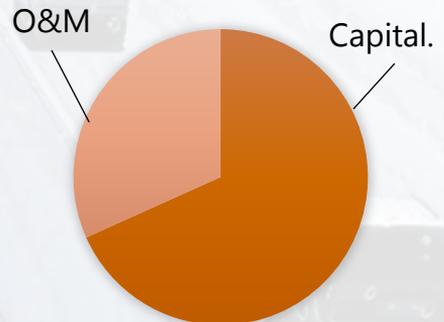


Sources



\$6.4 billion

Uses



Light Rail Transit/High Capacity Transit Projects



TABLE C-3
2035 REGIONAL TRANSPORTATION PLAN
REGIONAL LIGHT RAIL TRANSIT/HIGH CAPACITY TRANSIT - OPERATING

ROUTE	OPERATING COSTS		PLAN GROUP ¹
	FY 2014 - FY 2035 (2013 \$'S in THOUSANDS)		
LRT/HCT Segments			
OP-REV	810,885		Group 1
Northwest Phase 1	87,743		Group 1
Northwest Phase 2	13,620		Group 3
Central Mesa	65,628		Group 1
Tempe Streetcar	52,963		Group 1
Phoenix West	143,087		Group 2
Northwest Phoenix	37,011		Group 3
Gilbert Rtl Extension	40,808		Group 1
Glendale	48,045		Group 3
Total	1,280,387		

TABLE C-4
2035 REGIONAL TRANSPORTATION PLAN
REGIONAL LIGHT RAIL TRANSIT/HIGH CAPACITY TRANSIT - CAPITAL

ROUTE	CAPITAL COSTS		PLAN GROUP
	FY 2014 - FY 2035 (2013 \$'S in THOUSANDS)		
LRT/HCT Segments			
NW Extension Phase I	174,399		Group 1
Central Mesa	111,438		Group 1
Tempe Streetcar	105,008		Group 1
Glendale	411,662		Group 2,3
NW Extension Phase II	115,651		Group 2,3
Phoenix West	895,920		Group 1,2
NE Phoenix	961,216		Group 2,3
Gilbert Road Extension	122,814		Group 1
Sub-total	2,899,009		
LRT Systemwide Support			
Systemwide Support Infrastructure	91,238		Group 1,2
Capital Project Development	36,301		Group 1,2,3
System Planning and Design	2,939		Group 1
Utility Reimbursements	142,624		Group 1,2,3
Sub-total	273,402		Group 1,2,3
TOTAL	3,172,410		

¹ Plan Groups:
 Group 1 (FY 2014 - FY 2018)
 Group 2 (FY 2019 - FY 2028)
 Group 3 (FY 2027 - FY 2035)

For transit capital expenditures, the group designation indicates the period when equipment or other capital items are acquired, or when construction of facilities is funded. For light rail transit/high capacity transit (LRT/HCT) operations, the group designation indicates the period when service is initiated. Funding continues during subsequent periods, and service improvements on certain routes may also be initiated in a later period. Operating costs reflect total costs and are not offset by farebox receipts. No regional funding is provided for LRT/HCT operating expenses

Other Transportation Activities



Bicycle and Pedestrian Planning

- Bikeway Master Plan
- Design Assistance Program
- Complete Streets Guide

Demand Management

- Ridesharing
- Trip Reduction
- Vanpools



Other Transportation Activities

Transportation System Operations

- ITS Strategic Plan
- Freeway Management System
- Freeway Safety Patrol



Transportation Safety

- Strategic Safety Plan
- Road Safety Assessments
- Crossing Guard Workshops

Other Transportation Activities



Freight Planning

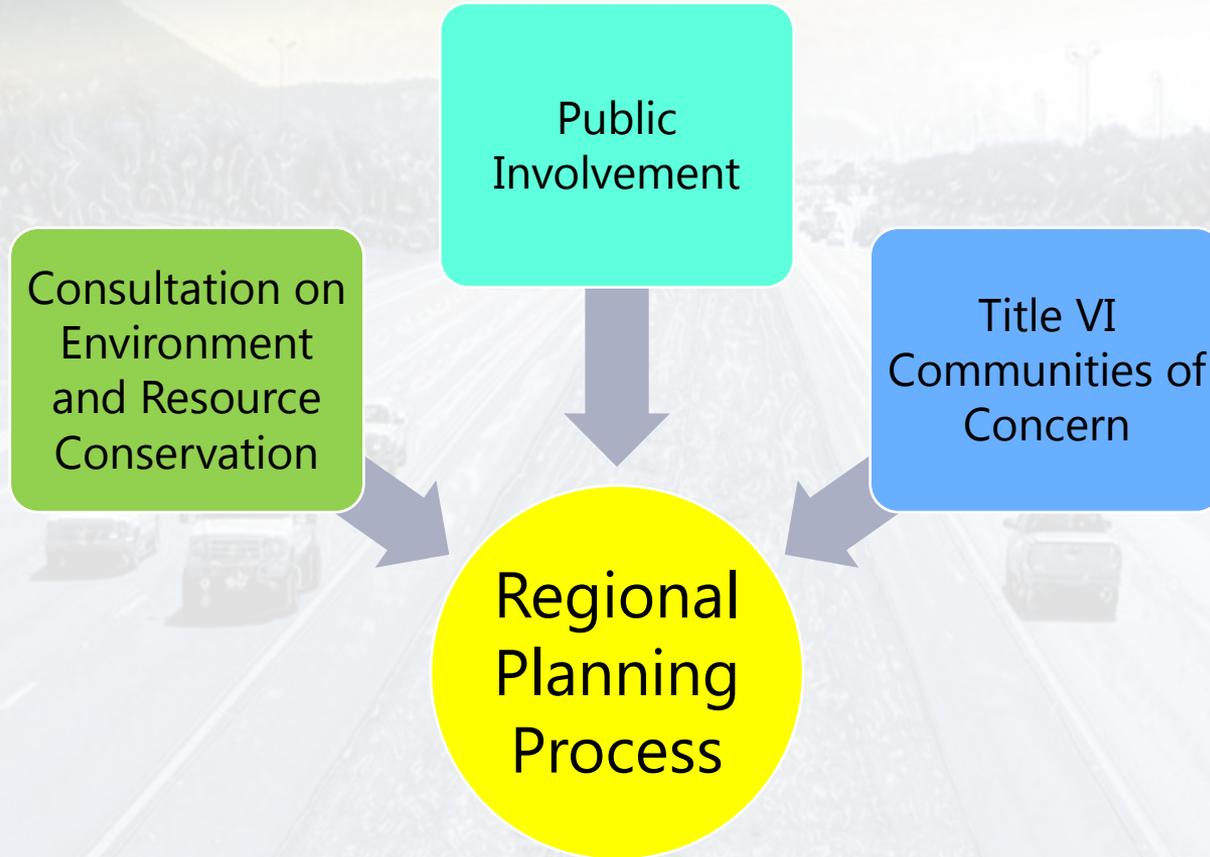
- Freight Framework Study
- Sun Corridor Coordination
- Freight System Initiatives

Special Needs Transportation

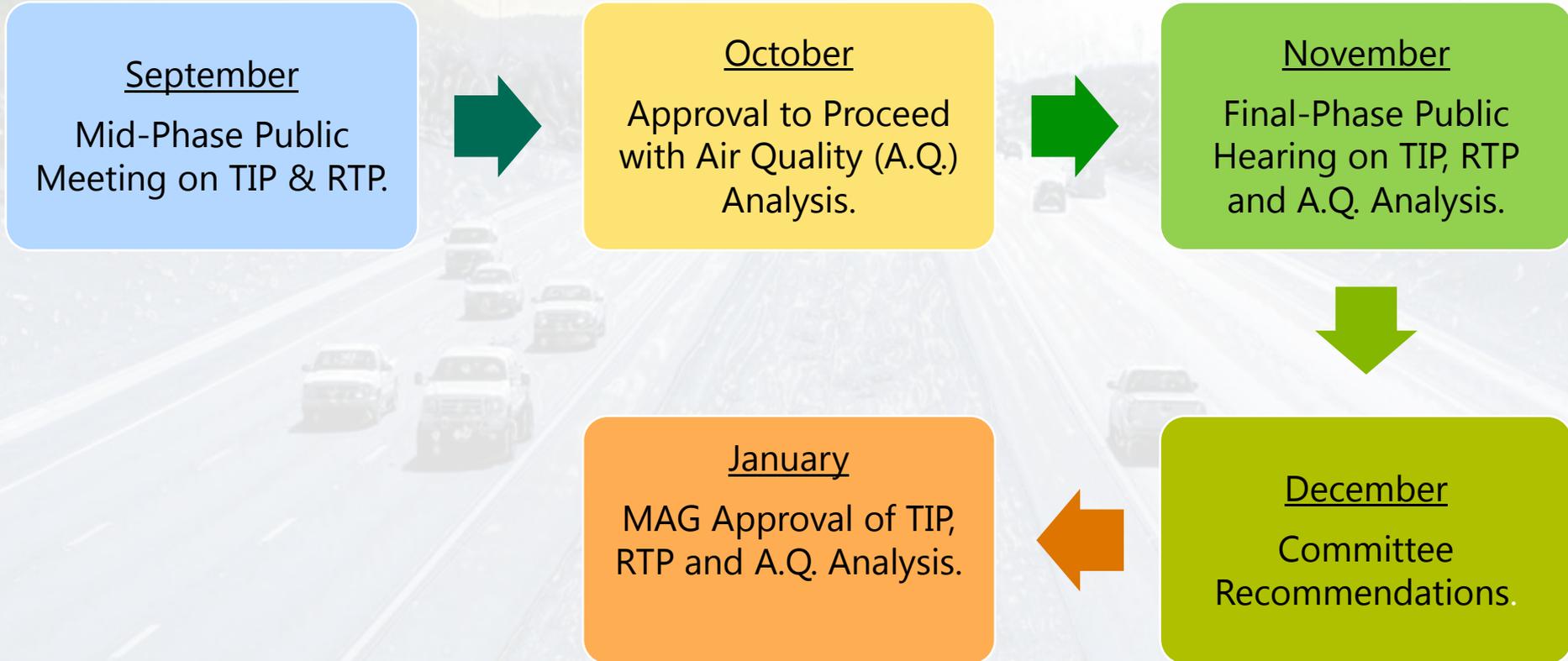
- Human Services Transportation Plan
- Transportation Ambassador Program
- Service Coordination



Additional RTP Planning Process Factors



RTP Review and Approval Process



RTP Review and Approval Process

September
Mid-Phase Public Meeting on TIP & RTP.



October
Approval to Proceed with Air Quality (A.Q.) Analysis.



November
Final-Phase Public Hearing on TIP, RTP and A.Q. Analysis.

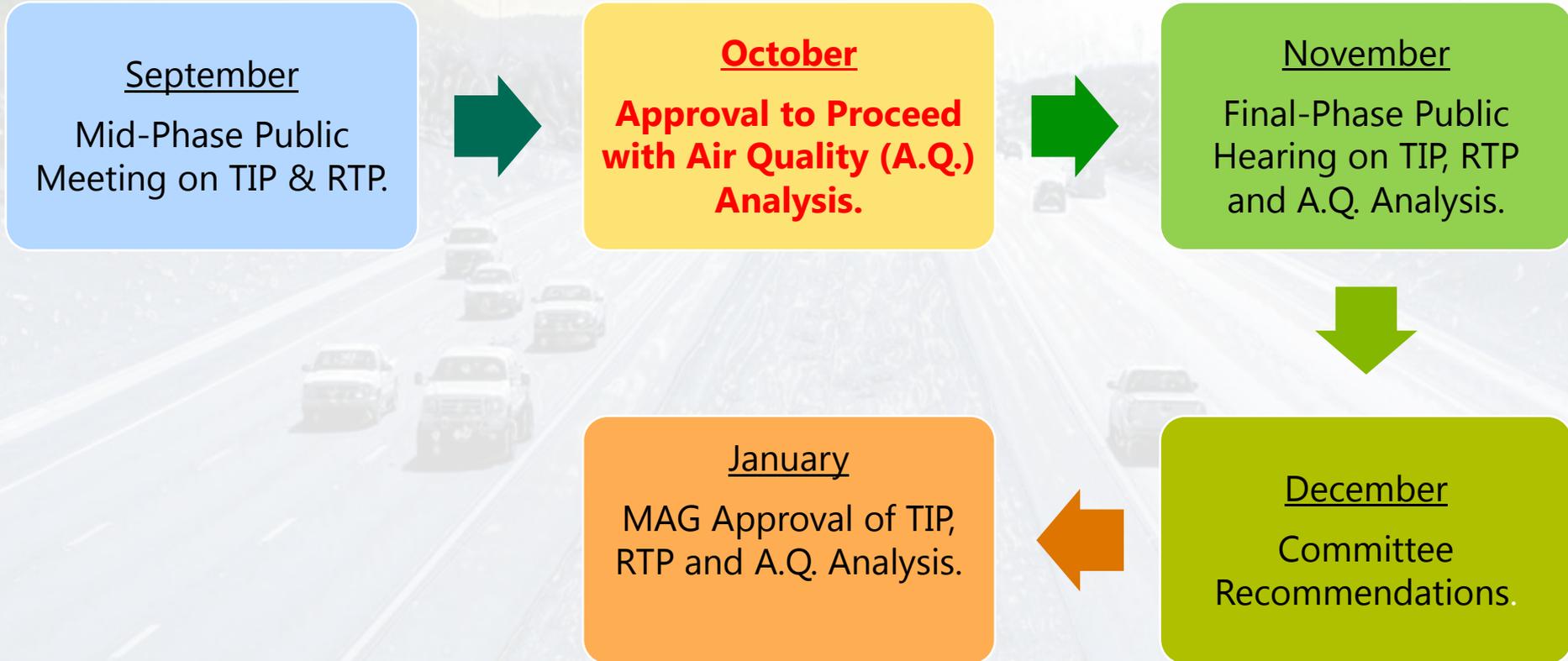


January
MAG Approval of TIP, RTP and A.Q. Analysis.

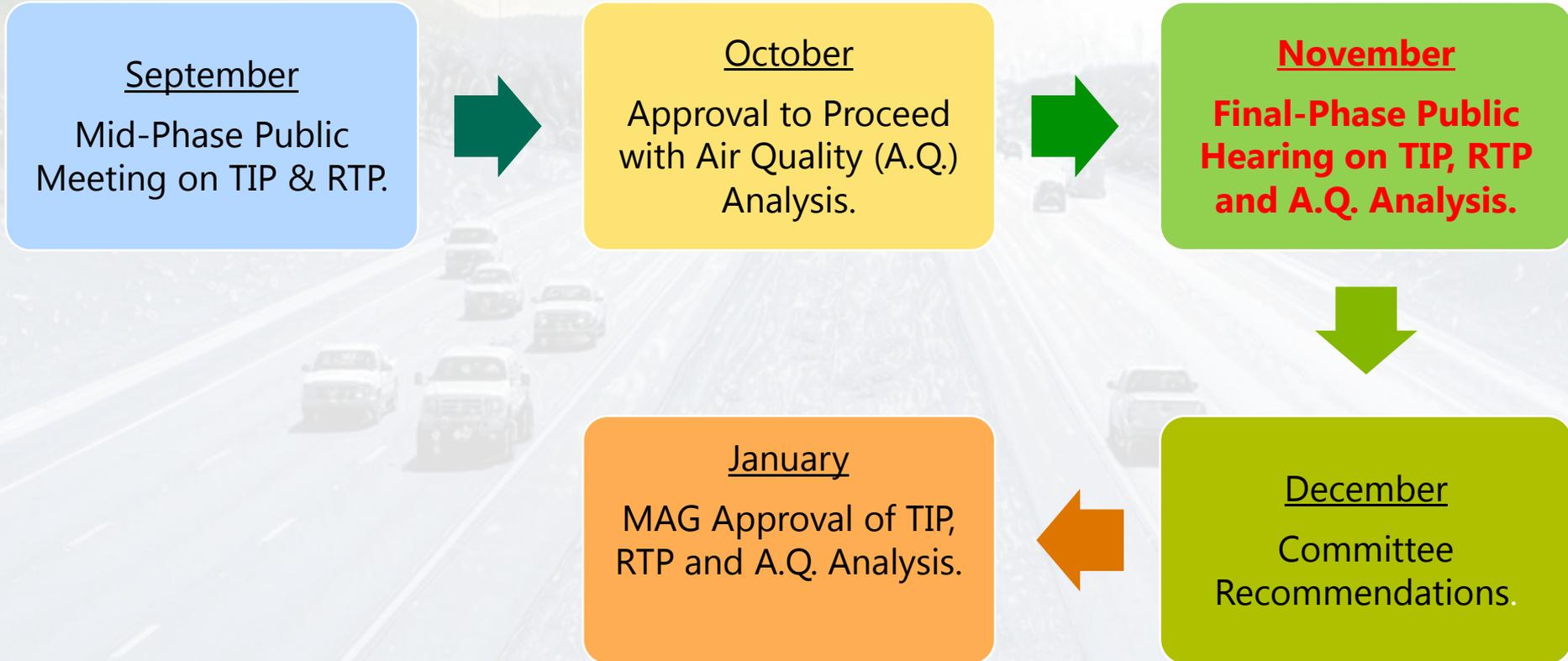


December
Committee Recommendations.

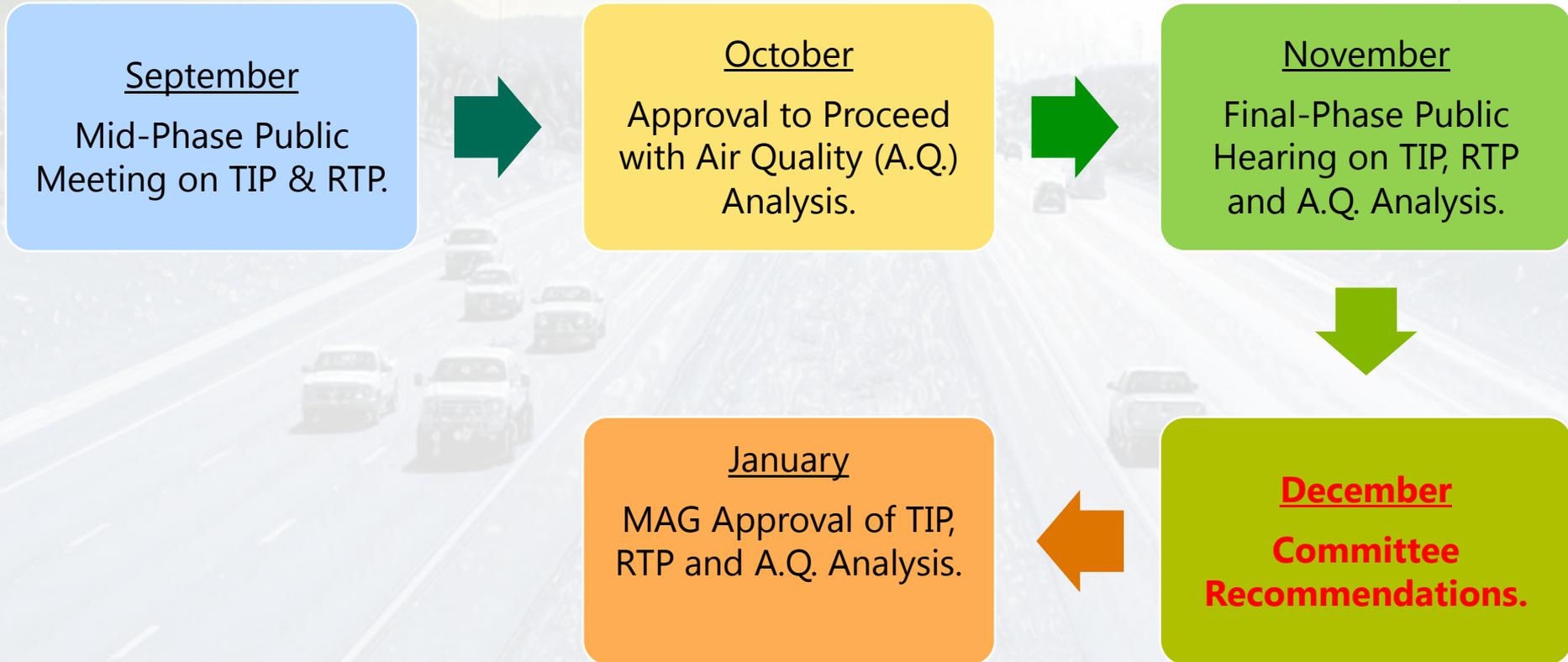
RTP Review and Approval Process



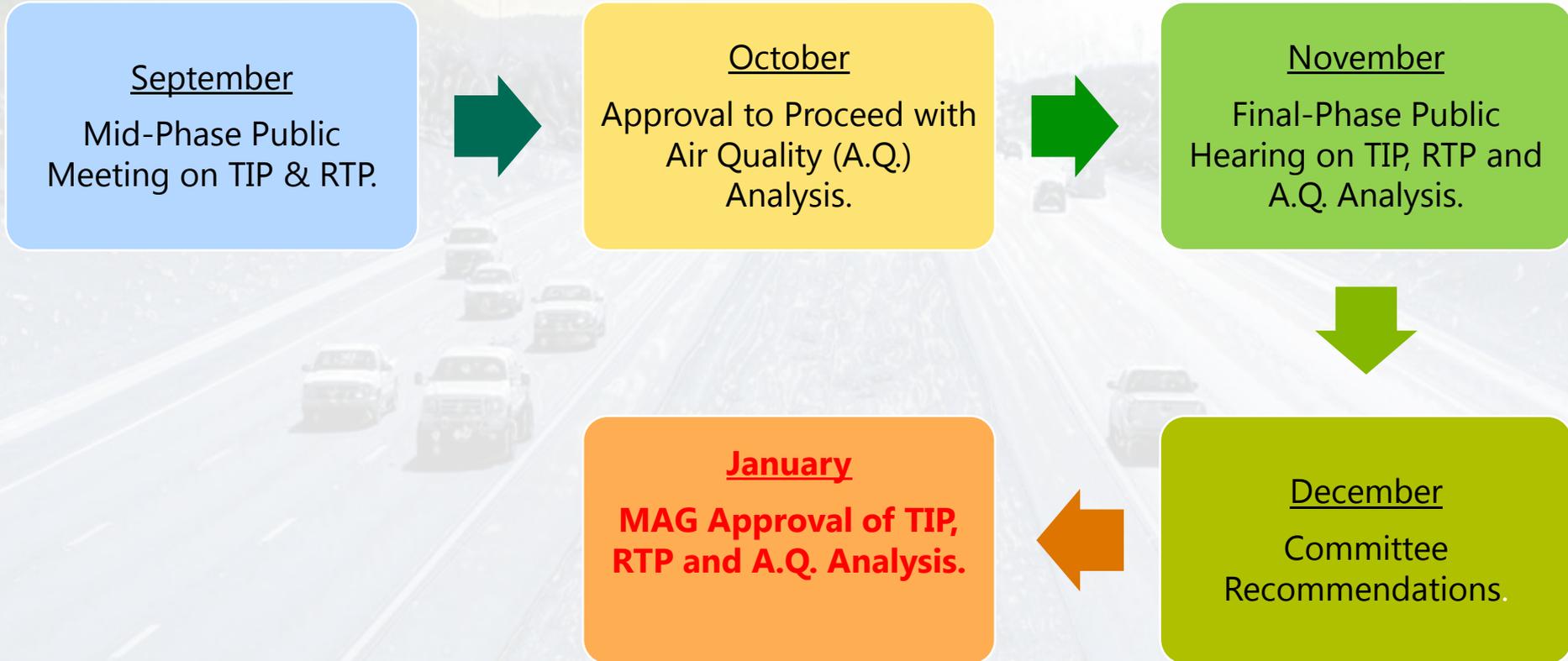
RTP Review and Approval Process



RTP Review and Approval Process



RTP Review and Approval Process





Draft

2035 Regional Transportation Plan

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ON THE MOVE
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2035 REGIONAL
TRANSPORTATION
PLAN (RTP)

MAY 2013

REGIONAL TRANSPORTATION PLAN

MARICOPA ASSOCIATION of GOVERNMENTS