

Management Committee Work Group

July 1, 2020

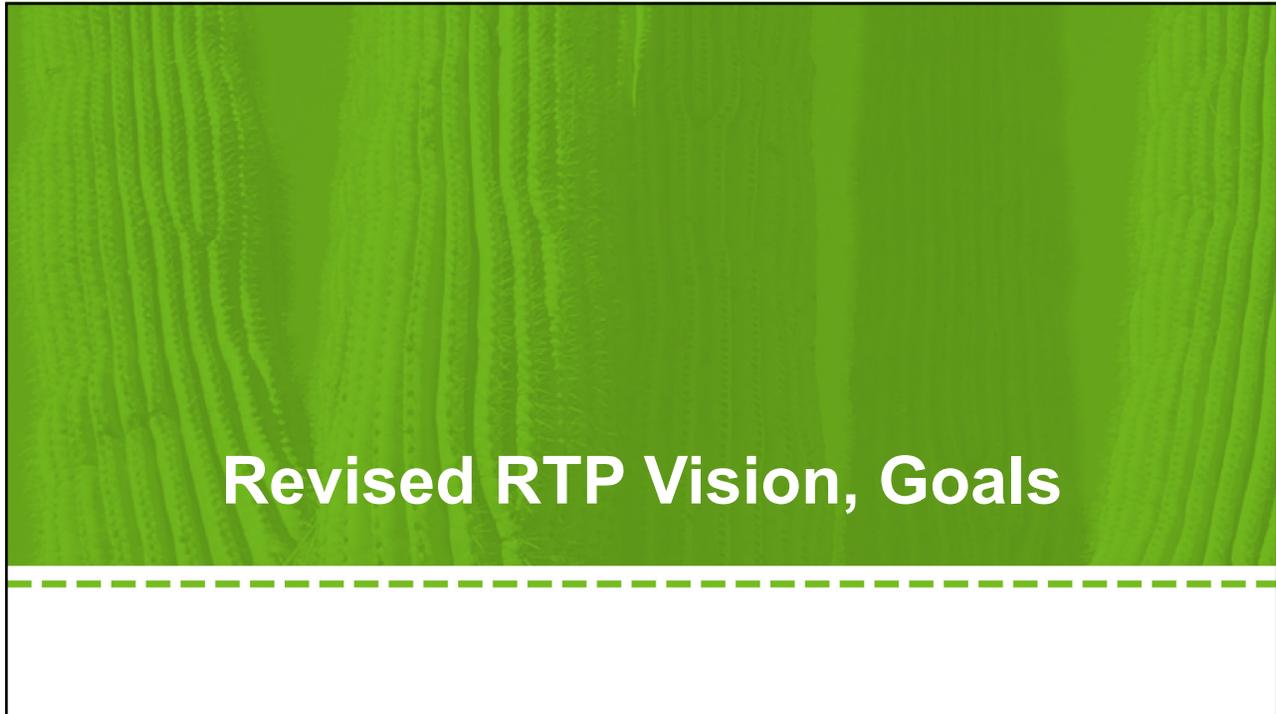


1

Agenda

- Welcome
- Updates and Announcements
- Feedback from Member Agencies
- **Revised RTP Vision, Goals**
- **Performance-Based Evaluation Framework**
- Public Involvement Update
- Look Ahead: Upcoming Policy Committee Items
- Other Items

2



3

Revised Vision

The transportation system plays a critical role in ensuring a high quality of life for residents of the MAG region. The purpose of the Regional Transportation Plan is to establish a sustainable, resilient, multimodal transportation investment program that connects people with opportunities to prosper and thrive. ~~Residents deserve a~~ **We will deliver** a world-class transportation system that reflects the following mission-critical goals:



4



Revised Goals

- **Safety** – provide for the safety and security of pedestrians, bicyclists, riders and drivers.
- **Prosperity** – support economic competitiveness and growth through strategic transportation investments.
- **Responsiveness** – expand travel choices that accommodate future growth and are flexible in adapting to changing needs and innovations.
- **Livability** – invest in a transportation system that supports health and well-being, and sustains the environment.
- **Preservation** – maintain our region’s transportation infrastructure to protect existing investments for the future.
- **Mobility** – ensure ease of movement for people and goods throughout the region, providing equitable and appropriate access to essential services and destinations.

5



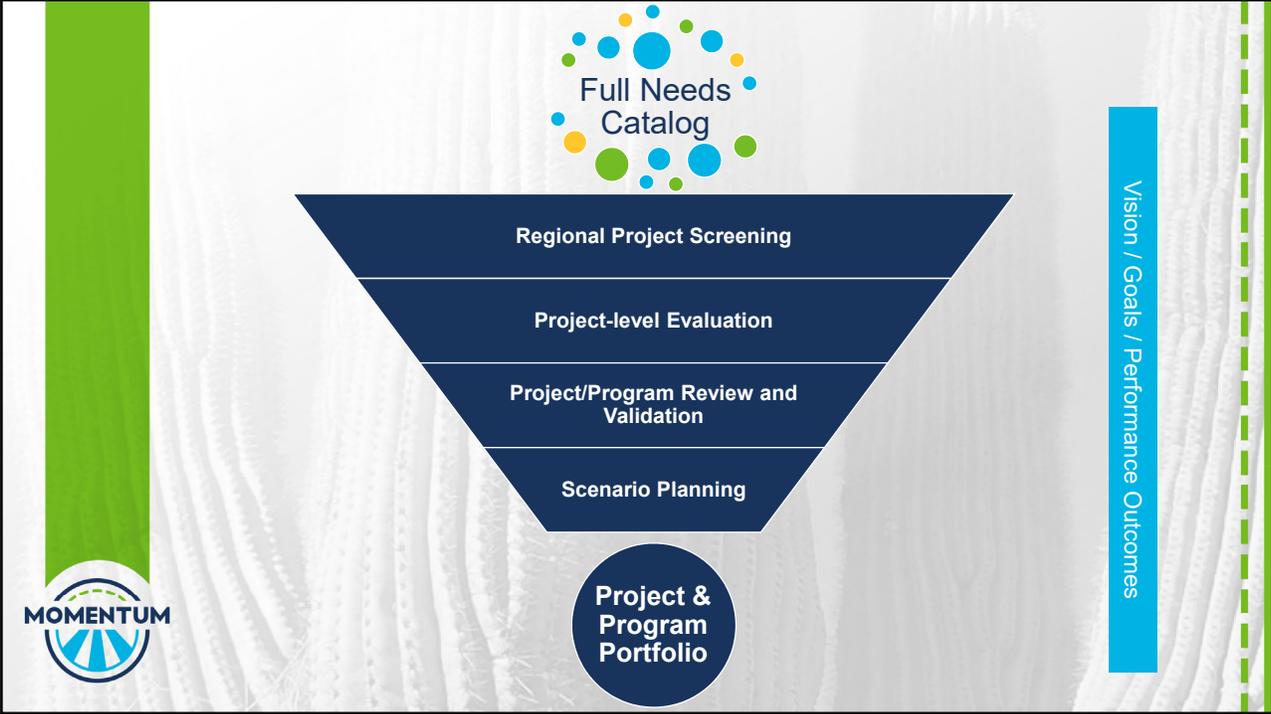
Revised Goals

- **Safety** – provide for the safety and security of **pedestrians, bicyclists, riders and drivers** ~~the traveling public~~.
- **Prosperity Economic Development** – support economic competitiveness and **prosperity growth** through strategic transportation investments.
- **Responsiveness Resiliency** – ~~invest in a transportation system that~~ expand travel choices **that** accommodate future growth and **is** ~~are~~ flexible **in** ~~to~~ adapting to changing needs and innovations.
- **Livability Quality of Life** – invest in a transportation system that supports health and well-being, and sustains the environment.
- ~~System~~ **Preservation** – maintain our region’s transportation infrastructure to protect existing investments **for the future** and ~~ensure continued mobility~~.
- **Mobility** – ~~develop a multimodal system that provides~~ **ensure** ease of movement for people and goods throughout the region, ~~and providing~~ equitable **and appropriate** access to essential services and destinations.

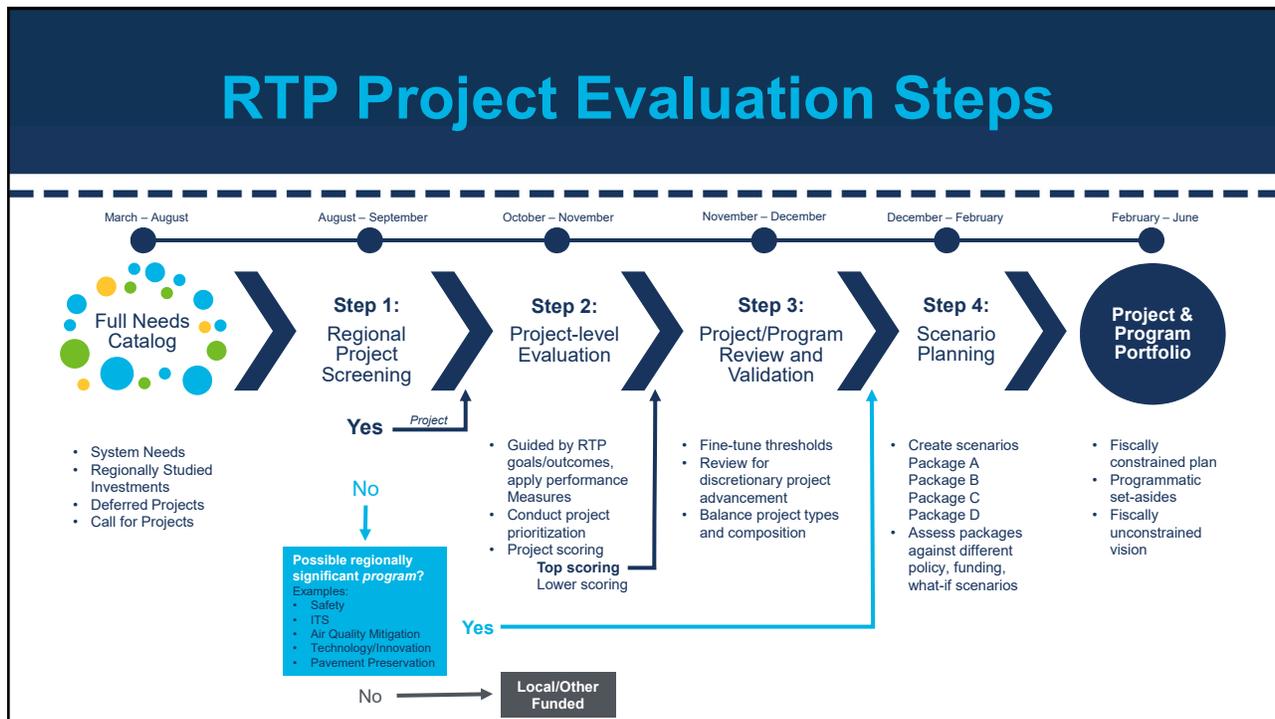
6

Performance-Based Evaluation Framework

7



8



9

How do we narrow down the list of projects?

- A **regionally significant project** is one that substantially contributes to the regional transportation system, benefitting the movement of people and goods across jurisdictions and connecting communities, activity centers, and destinations. The benefits of a regionally significant project should be as high for users outside the jurisdiction for which it is located as it is for those that reside within that jurisdiction. Projects are often high capacity (e.g., freeway, highway, rail, BRT) or contribute to a system network (e.g., regional bus network, grid arterial network, bridge/connect a gap).
- A **regionally significant program** is one that is consistent with the regions values/vision and achieves unique or distinct priorities shared across the region.

10

How do we use performance measures to evaluate projects?



Elements of Performance-based Project Evaluation



Project Scoring Example

- Project Name: I-999 MP 123 – 140
- Project Scope: Add General Purpose Lane

Goal Area	Max Score	Project Score
Safety	17	13
Livability	17	10
Prosperity	17	15
Mobility	17	14
Responsiveness	17	10
System Preservation	15	12
Total	100	74

11

Why do we recommend doing it this way?



1. Consistent with MAG Call for Projects process
2. Consistent with local transportation plan development process
3. Consistent and easily consolidated with implementing Prop 400 programs
4. Commonly used in other RTPs

Project Number and Name	Final TA Rank Order	Funding Source	Federal Amount Requested	Percent Funded	Programmed TA Amount	Cumulative TA Programming	Running TA Balance	Requested Work Year	Notes
QIN-23-001 - Fyre Road Protected Bike Lanes	1	CMAQ	\$ 1,183,441	100%	\$ -	---	\$11,553,448	2023	Selected for CMAQ funding based on CMAQ rank
TMP-23-001 - Regional Path Connectivity About to Get Rio Grand	2	CMAQ	\$ 1,912,429	100%	\$ -	---	\$11,553,448	2023	Selected for CMAQ funding based on CMAQ rank
PRX-24-002 - Phoenix Citywide Pedestrian Safety-HAWKS	3	TA	\$ 1,341,422	100%	\$ 1,341,422	\$ 1,341,422	\$10,212,026	2024	Selected for TA funding based on TA rank
GLN-24-002 - 67th Ave Bike Lanes - Missouri to Myrtle	4	CMAQ	\$ 2,027,909	100%	\$ -	---	---	2024	Selected for CMAQ funding based on CMAQ rank
PRD-23-001 - Stadium Trail Phase 2	5	CMAQ	\$ 2,304,322	100%	\$ -	---	---	2023	Selected for CMAQ funding based on CMAQ rank
QNC-23-001 - Queen Creek Wash Trail Extension - Phase 1	6	CMAQ	\$ 768,152	100%	\$ -	---	---	2023	Selected for CMAQ funding based on CMAQ rank
MES-24-001 - Power Road Shared Use Pathway	7	TA	\$ 4,321,099	100%	\$ 4,321,099	\$ 5,662,521	\$ 5,890,507	2024	Selected for TA funding based on TA rank
FTH-23-001 - Sidewalk Gap Elimination for Palisades Blvd and Seguro Blvd.	8	TA	\$ 2,026,477	100%	\$ 2,026,477	\$ 7,688,998	\$ 3,864,450	2023	Selected for TA funding based on TA rank
GLN-24-001 - 47th Ave Bike Lanes - Myrtle to Cholla	9	CMAQ	\$ 2,255,380	100%	\$ -	---	---	2024	Selected for CMAQ funding based on CMAQ rank
PRX-23-001 - FY 2023 Phoenix 20th Street Bicycle Corridor Improvements (Grand Canal - Highland Avenue)	10	TA	\$ 2,396,673	100%	\$ 2,396,673	\$ 10,025,671	\$ 1,527,777	2023	Selected for TA funding based on TA rank
GLN-24-003 - Sidewalk Gap Closure - Central Core	11	CMAQ	\$ 2,078,162	100%	\$ -	---	---	2024	Selected for CMAQ funding based on CMAQ rank
PRX-24-001 - 56th St from Thomas Rd Indian School Rd - Phase 2	12	TA	\$ 1,608,201	95%	\$ 1,527,777	\$ 11,553,448	\$ -	2024	Selected for partial TA funding based on TA rank not off for TA
SCT-23-001 - Shea Boulevard Path from 142nd Street to Eagle Mountain Parkway	13	---	\$ 1,557,255	0%	\$ -	\$ 11,553,448	\$ -	2023	Not Selected for Funding
SCT-23-004 - Goldwater Pedestrian & Bicycle Underpass at Scottsdale Road	14	CMAQ	\$ 2,352,421	100%	\$ -	---	---	2023	Selected for CMAQ funding based on CMAQ rank
SCT-23-002 - Indian Bend Wash Bridge Replacement at Osborn Road	15	---	\$ 3,976,887	0%	\$ -	\$ 11,553,448	\$ -	2023	Not Selected for Funding
PRX-24-003 - FY 2024 Phoenix 20th St Bicycle Corridor Improvements (Highland Avenue - Missouri Avenue)	16	---	\$ 1,571,495	0%	\$ -	\$ 11,553,448	\$ -	2024	Not Selected for Funding
PRX-23-001 - 56th St from Indian School Rd to Camelback Rd - Phase 1	17	---	\$ 4,884,852	0%	\$ -	\$ 11,553,448	\$ -	2023	Not Selected for Funding
AI-24-001 - Delaware Drive Pedestrian and Safety Improvements	18	CMAQ	\$ 906,499	100%	\$ -	---	---	2024	Selected for CMAQ funding based on CMAQ rank
SCT-23-003 - Indian Bend Wash Path Extension: Thompson Peak Parkway to Bell Road	19	---	\$ 3,367,169	0%	\$ -	\$ 11,553,448	\$ -	2023	Not Selected for Funding
PVY-24-001 - Modelling Ln Improvements Lincoln Dr to McDonald Dr	20	CMAQ	\$ 1,366,772	100%	\$ -	---	---	2024	Selected for CMAQ funding based on CMAQ rank

Example: MAG Active Transportation Call for Projects Evaluation

12

Example Performance-Based Outcome Questions



Goal	Outcomes	Evaluation Criteria
Safety	Does the project address a location where a known safety issue exists? Does the project address a location with fatal and serious crash concerns?	Crash Rate Fatal & Serious Crash Rate
Prosperity	Does the project serve existing employment locations? Does the project serve future employment locations?	Existing Employment Future Employment
Livability	Does the project contribute towards the betterment of regional air quality? Does the project offer a competitive alternative travel option?	Air Quality Multimodal
Responsiveness	Does the project address an area with reliability concerns?	Travel Reliability
Preservation	Does the project contribute towards the maintenance or preservation of existing infrastructure?	Infrastructure Quality
Mobility	Does the project improve/maintain travel times? Does the project address a known bottleneck? Does the project improve freight vehicle efficiency? Does the project address access for critical populations? Does the project close a system or segment gap?	Travel Times; Headways Level of Service; Average Speeds Freight Efficiency Access System Gaps; Studied Transit Propensity

13

How do we make sure good projects are included?



Freeway / Highway Project Prioritization Example

Project Name	Score (Max 100)
New Freeway Section A	94
New Managed Lane A	87
Add General Purpose Lane B	74
New Managed Lane B	70
New Freeway Section B	61
Add General Purpose Lane A	59
Ramp Metering A	40
Add General Purpose Lane C	21
New Traffic Interchange A	18

Fine-tune assessment of highest scoring projects

- Adjusting project scoring threshold
- Adjusting individual project placement
- Validate high scoring project composition

14



How do we make sure the project mix achieves goals?



- Scenario Planning Objectives
 - Stress-test various investment packages
 - Identify long-term strengths/weaknesses in investments selections
 - Assess outcomes based on multiple potential futures
 - Quantify how well investment packages achieve key performance targets
- Scenario Planning Workshop
 - **July 29th Managers' Workgroup Meeting (tentative)**
 - Gather input on important policy questions
 - Discuss potential future scenarios to test

15



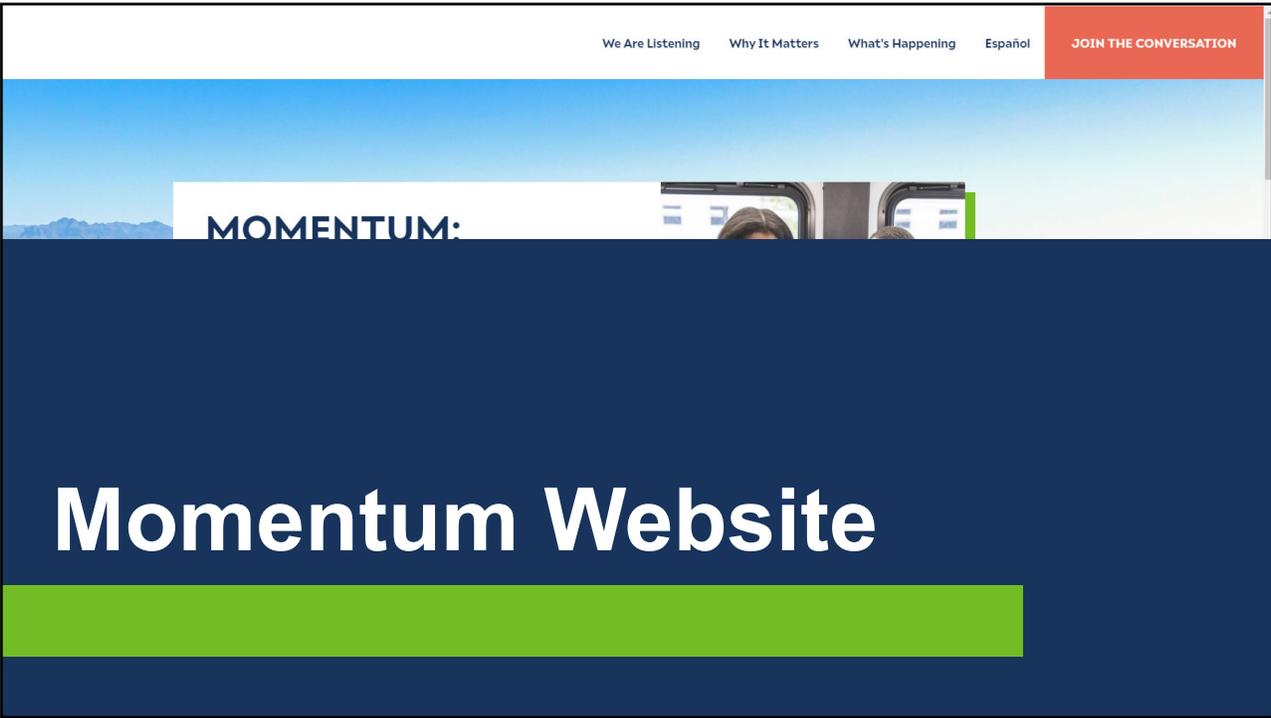
Next Steps – Homework Packet

- Performance-Based Evaluation Packet
 - Which goals and evaluation criteria are the most important and why?
 - Do the evaluation criteria, outcomes and performance measures sufficiently identify projects that help achieve regional goals?
 - Are there performance measures we're missing?
- Scenario Planning Workshop
 - Workshop Briefing Packet
 - Pre-Workshop Questionnaire

16



17



18