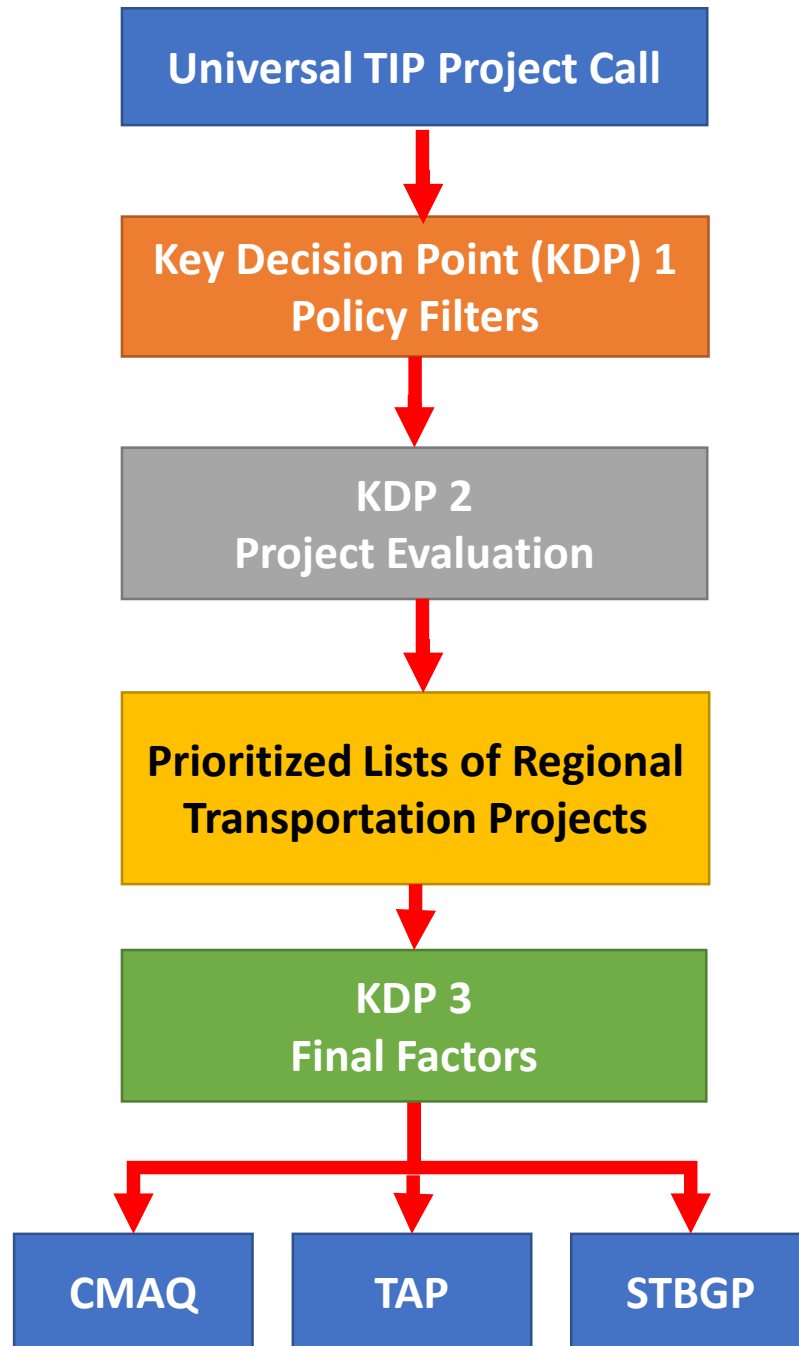


Revisions to ARC's Project Evaluation Framework

Transit Operators Subcommittee
August 24, 2018

Project Evaluation Flowchart



Project Evaluation Criteria & Weights

Criteria	Bike/Ped/Trail	Roadway Asset	Roadway Expansion	Transit Expansion	Transit Asset
		Management	& TSM&O		Management
Asset Management & Resiliency	-	14.9 %	-	-	22.0 % / 19.2 %
Mobility & Congestion	13.7 %	13.8 %	13.0 %	13.5 %	-
Safety	14.5 %	14.4 %	13.4 %	8.5 %	22.0 % / 19.2 %
Network Connectivity	14.4 %	12.9 %	12.4 %	13.5 %	-
Reliability	-	-	12.1 %	12.0 %	-
Multimodalism	12.6 %	11.8 %	11.3 %	10.2 %	-
Employment Accessibility	10.4 %	10.2 %	10.3 %	11.6 %	24.3 % / 21.2 %
Land Use Compatibility	11.5 %	-	-	10.5 %	-
Social Equity	9.7 %	8.3 %	7.0 %	9.5 %	20.8 % / 18.2 %
Air Quality & Climate Change	6.3 %	-	7.3 %	6.5 %	0.0 % / 12.6 %
Goods Movement	-	8.1 %	7.8 %	-	-
Cultural & Environmental Sensitivity	6.8 %	5.5 %	5.3 %	4.1 %	11.0 % / 9.6 %

local relevance

+

regional impact

Outcomes

Transit

Transit 1

Transit 2

Transit 3

Trail

Trail 1

Trail 2

Trail 3

Roadway

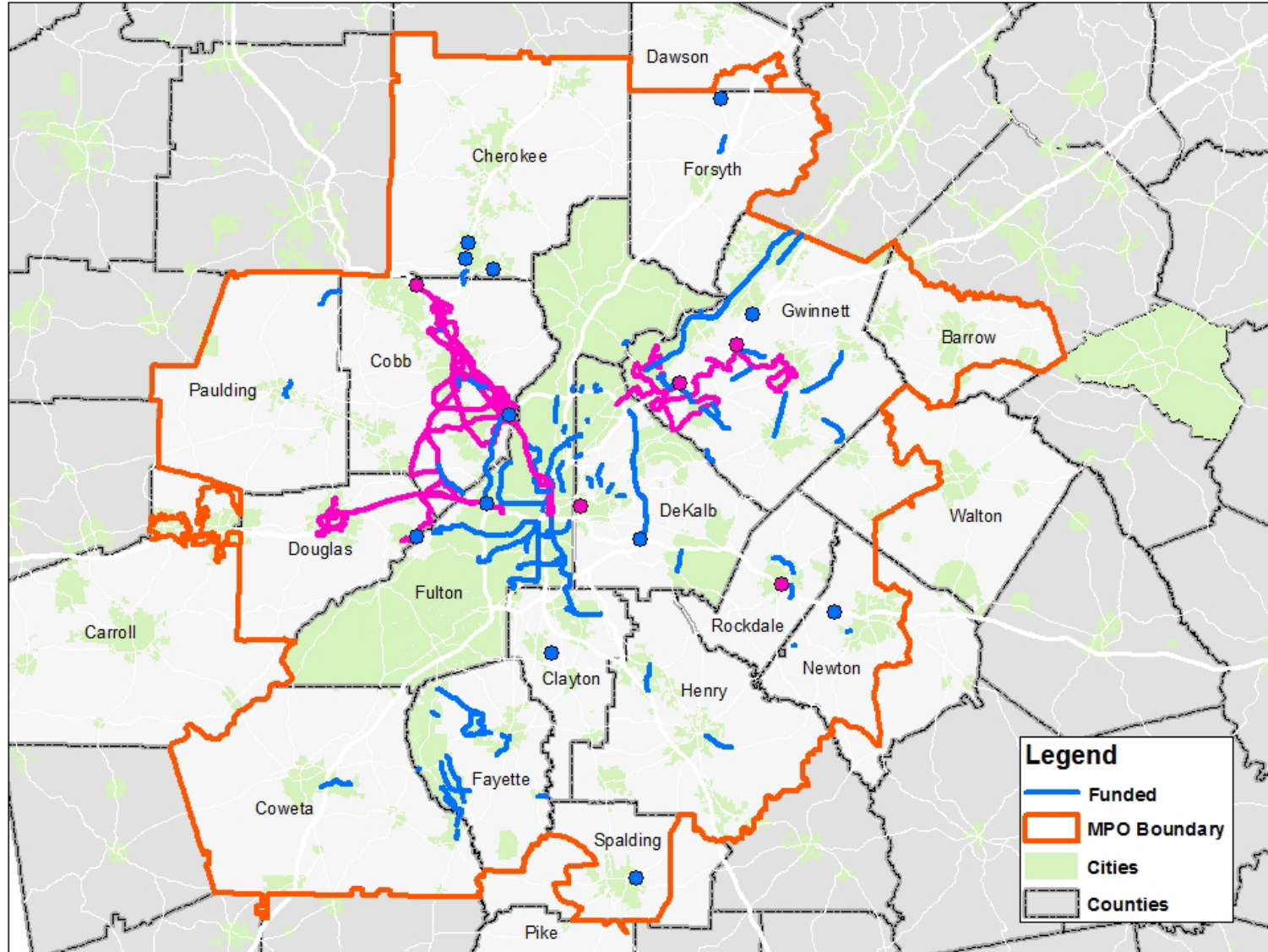
Roadway 1

Roadway 2

Roadway 3

- Technical analysis of the performance of all submitted projects
- Projects are compared against similar projects to produce lists of the best projects by type
- Used to help inform decision-making, not supplant it

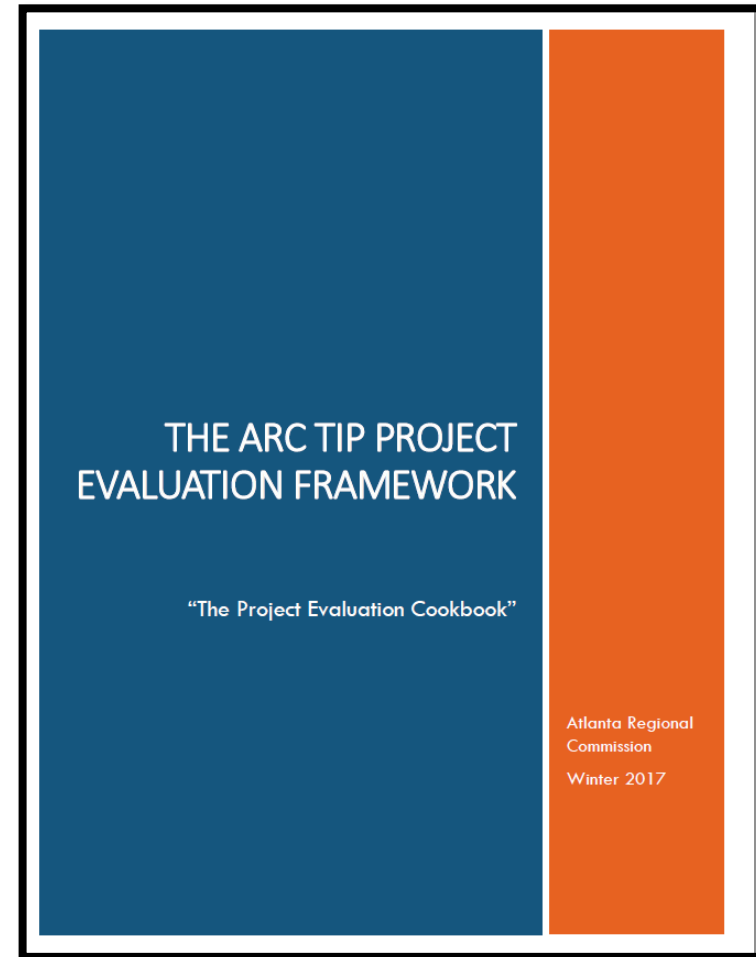
2017 TIP Solicitation Evaluation



- The selected bike, ped, trail and transit projects **reduce annual VMT by 96,307,730 miles**
- The selected projects **reduce annual VHD by 7,688,019 hours**
- **Tailpipe emissions are decreased by 19,900 tons per year**
- **52% of awarded funding serves an Equitable Target Area (ETA) community**
- By 2040, the selected transit projects support an **extra 39,000 boardings**

TIP Project Evaluation Documentation

- Guide to the TIP Project Solicitation
- Documents the decisions made by the TIP Prioritization Taskforce
- Outlines how ARC technically evaluates projects, and includes a list of measures and metrics
- Meant to be a companion document to the TIP application



<http://www.atlantaregional.org/tipsolicitation>

Revisions

- Major Revisions
 - Working on incorporating climate and extreme weather resilience into framework through vulnerable and critical resources
 - Merging Bike & Ped project types
 - Working on a scoring scheme for studies
- Smaller changes in handout to address line-item issues

Transit Expansion Suggested Revisions

- Reliability Criterion:

Measure	Metric	Nature of Metric	Sponsor Provided	Percent of Criterion Score
1) Dedicated Right-of-Way	Percent of proposed route with dedicated right-of-way	Numerical; amount of the route with dedicated right-of-way as a percent of total project centerline miles	Yes	60%
2) Transit Service Frequency	Service headway in minutes	Numerical; sponsor should provide service frequency for peak and off-peak periods	Yes	20%
3) Transit Signal Priority*	Will the project implement transit signal priority?	Yes/No; sponsor provides information about proposed technology being implemented	Yes	20%

*if project operates on 100% dedicated ROW this measure will not count towards the project

Transit Expansion Suggested Revisions

- Network Connectivity Criterion:

Measure	Metric	Nature of Metric	Sponsor Provided
Connections to Fixed Guideway Transit	The number of fixed guideway connections served by the project	Numerical	No

- Network Connectivity Criterion Revision Proposal:

Measure	Metric	Nature of Metric	Sponsor Provided
Connections to Fixed Guideway Transit	The number of connections to high capacity/high frequency service with a 15 minute or better headway off-peak	Numerical	No

Transit Expansion Suggested Revisions

- Social Equity Criterion:

Measure	Metric	Nature of Metric	Sponsor Provided	Percent of Criterion Score
Addressing Social Equity	1) Addressing Social Equity	Does project serve an ETA community?	Written; sponsor provides an assessment of how developing the project will support ETA areas.	50%
	2) Change in the number of jobs that ETA workers that can access during peak periods.	Numerical	No	50%

Transit Expansion Suggested Revisions

- Land Use Compatibility Criterion:

Measure	Metric	Nature of Metric	Sponsor Provided
Supporting Land Use	Do the communities the transit line passes through have transit supportive land use zoning in place?	Numerical; sponsor should provide information on the average number of dwelling units/acre zoning provisions within ½ mile of new transit stations and/or stops	Yes
	-OR- Does the existing density support the development of transit?	-OR- Numerical; sponsor should provide information on the population per square mile within ½ mile of new transit stations and/or stops	

Transit Asset Mngmt & System Upgrades

- Asset Management & Resiliency Criterion:

Measure	Metric	Nature of Metric	Sponsor Provided	Percent of Criterion Score
Asset Condition	1) Ratio of age to useful life benchmark.	Numerical; expressed as fraction at year money is requested	Yes; sponsor will provide age of asset and useful life benchmark	50%
	1) a) If the replaced asset is a vehicle, number of miles between mechanical problem road calls. b) If the asset is a facility, or a component of a facility, does it have a condition rating below 3.0 on the FTA TERM scale?	Yes/No; the specific component should be considered, not the entire facility unless the project completely replaces an existing facility	Yes	50%