

Think  Forward

ATL Regional Transit Plan *Status Update and Draft Results*

presented to

*Regional Transit Planning Committee
(Committee of the Whole)*

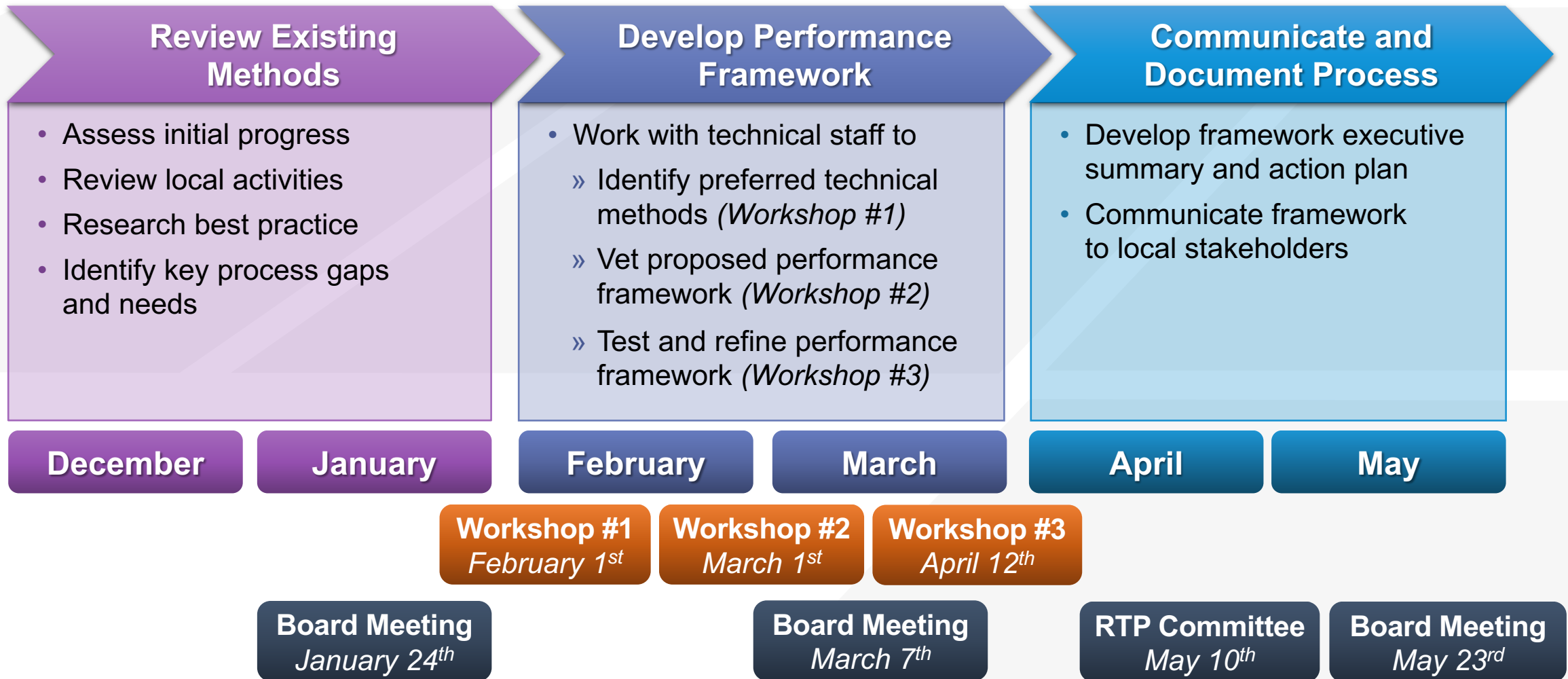
presented by

Cambridge Systematics, Inc.

September 20, 2019 – **REVISED September 23, 2019**

Schedule

Developing the ARTP Performance Framework



Schedule

Applying the ARTP Performance Framework

Transit Project Submittal

- On-line application complete
- Project submittal window open
- Webform information sessions
- One-on-one meetings to communicate process

June

July

Webform #1
June 18

Webform #2
June 20

Webform #3
July 10

Webform #4
July 24

Transit Project Review

- Compile, review project submissions
- Apply ARTP performance framework
- QAQC with sponsors
- ATL Board Planning Committee review and input

August

September

Board Meeting
August 8th

RTP Committee
September 20

Outreach and Engagement

- Complete plan-level analysis, plan narrative
- District outreach (*October*)
- Official 30-day public engagement period (*November*)
- Finalize plan for Board adoption (*December*)

October

November

Board Meeting
November 7

Board Meeting
December 13

Transit Project Submittal

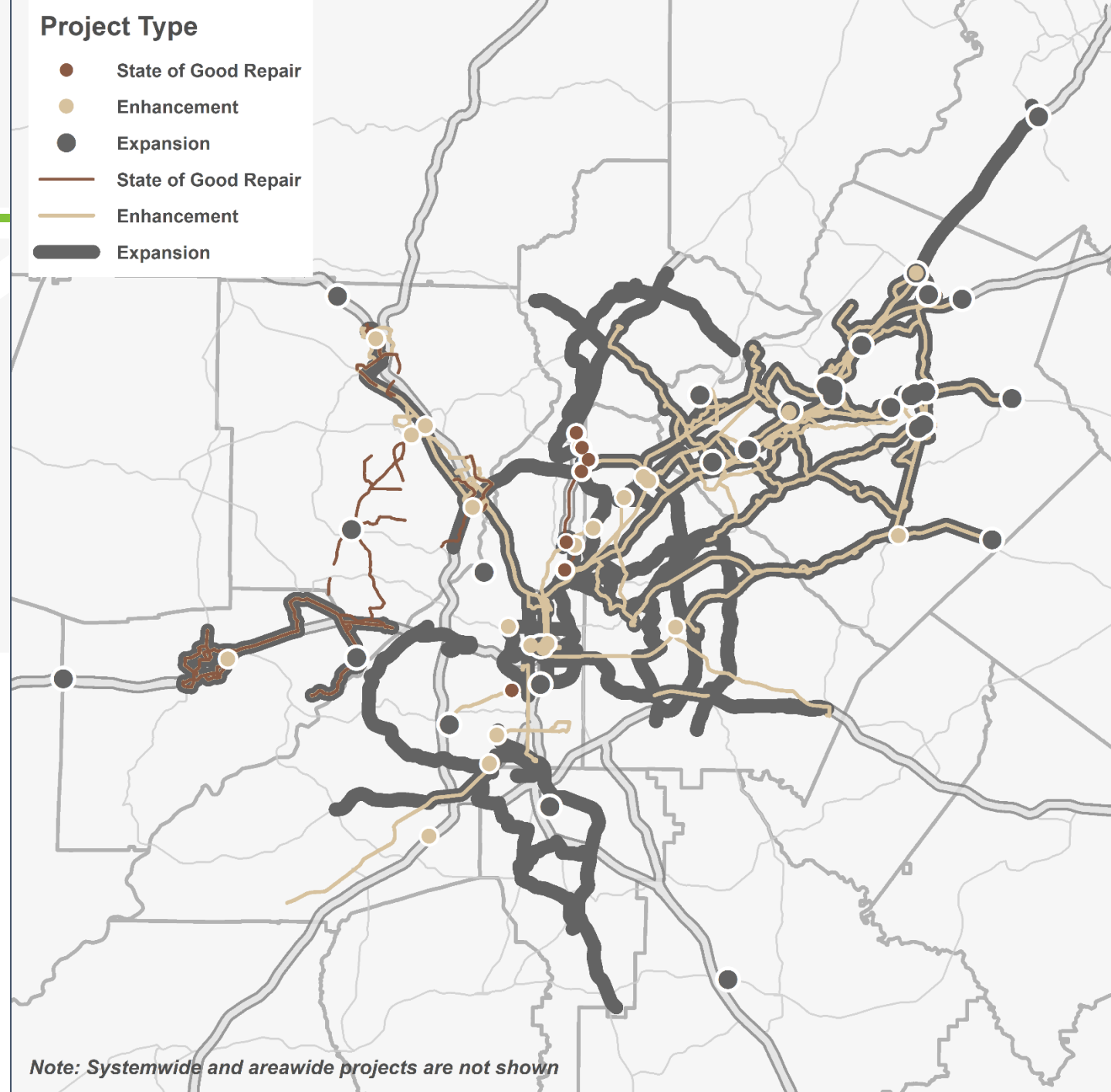
- 195 projects initially submitted through the ATL on-line application
- Project list refined to 192 based on review and QAQC with sponsors in August
 - » 50 system/area-wide investments
 - » 129 route/asset-specific investments
 - » 13 projects not yet associated with specific geographic area, route, or asset type (very early in development)

All Submitted Projects by Type

- 30 State of Good Repair
- 58 Enhancement
- 104 Expansion

Project Type

- State of Good Repair
- Enhancement
- Expansion
- State of Good Repair
- Enhancement
- Expansion



Transit Project Submittal

District Summaries

DISTRICT 3

- 76 total projects
- 39 tiered

DISTRICT 4

- 10 total projects
- 7 tiered

DISTRICT 5

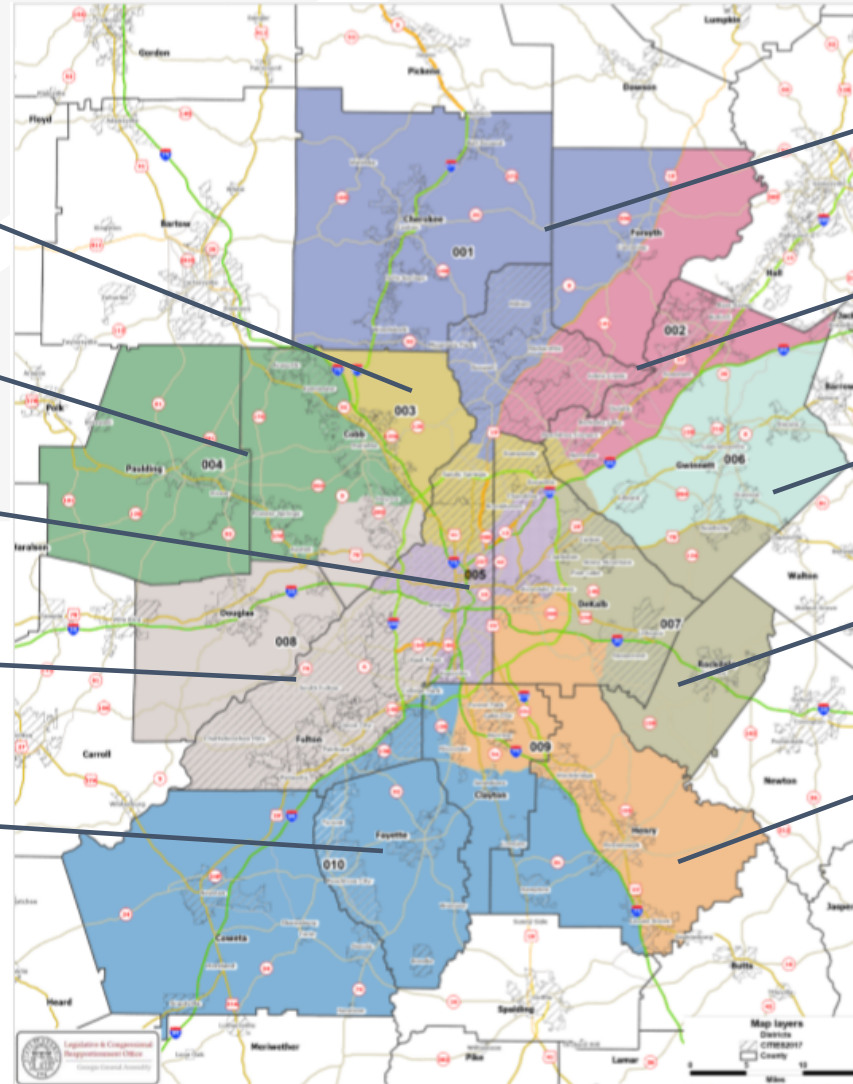
- 96 total projects
- 43 tiered

DISTRICT 8

- 54 total projects
- 19 tiered

DISTRICT 10

- 32 total projects
- 14 tiered



DISTRICT 1

- 19 total projects
- 6 tiered

DISTRICT 2

- 54 total projects
- 26 tiered

DISTRICT 6

- 41 total projects
- 23 tiered

DISTRICT 7

- 49 total projects
- 16 tiered

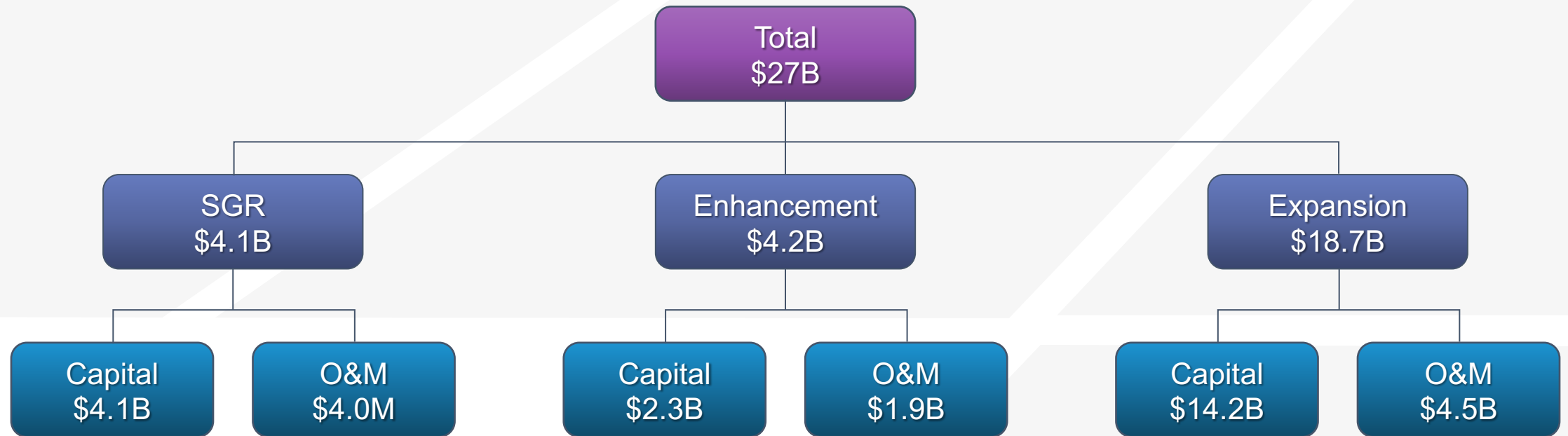
DISTRICT 9

- 43 total projects
- 14 tiered

If a project enters any portion of a district, it is included in summary. Projects can cover multiple districts

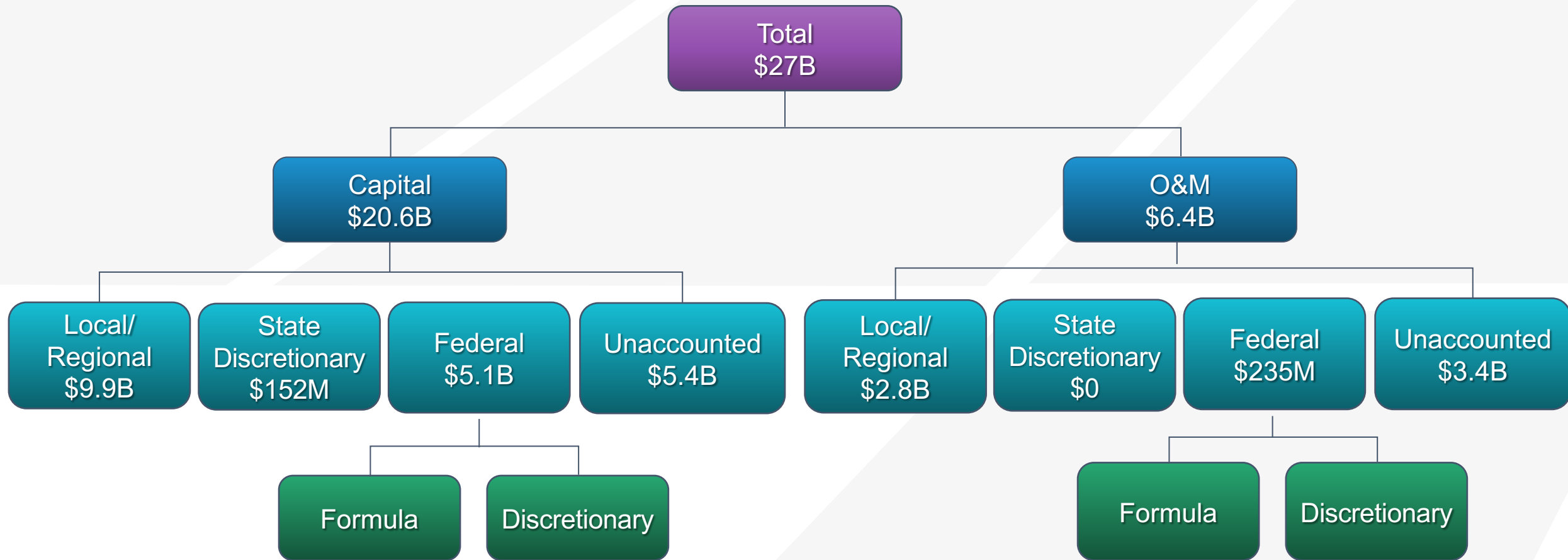
Transit Project Submittal

Total Costs (By Project Type)



Transit Project Submittal

Total Project Costs (By Fund Source)



Transit Project Review

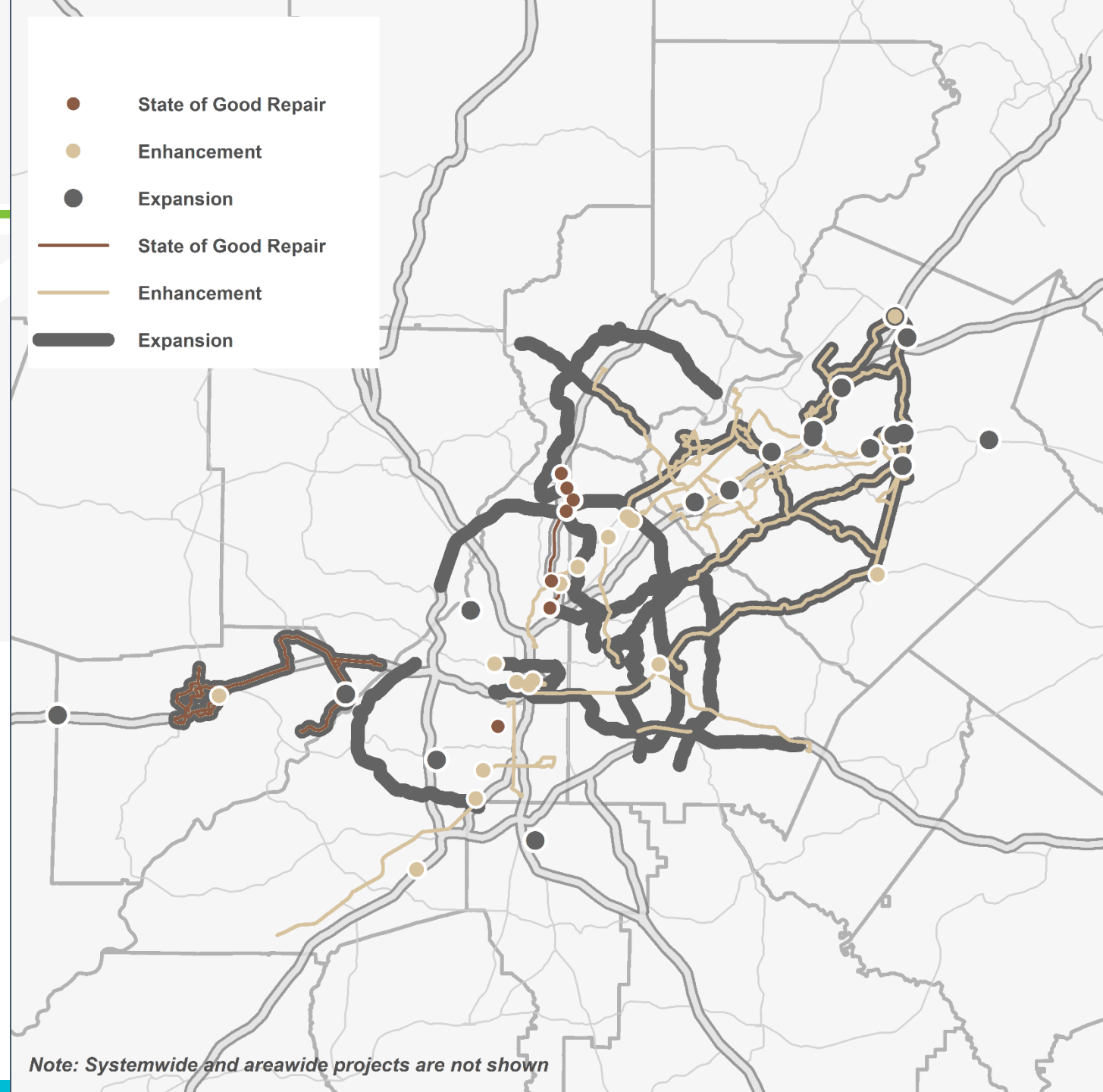
- ALL projects reviewed according to ARTP performance framework
- ARTP performance framework supports feedback and discussion with sponsors on:
 - » Project development needs at the local level
 - » Plan development needs at the regional level
 - » Next steps for advancing project and plan implementation



Projects with No Fed/State Discretionary Funding Identified

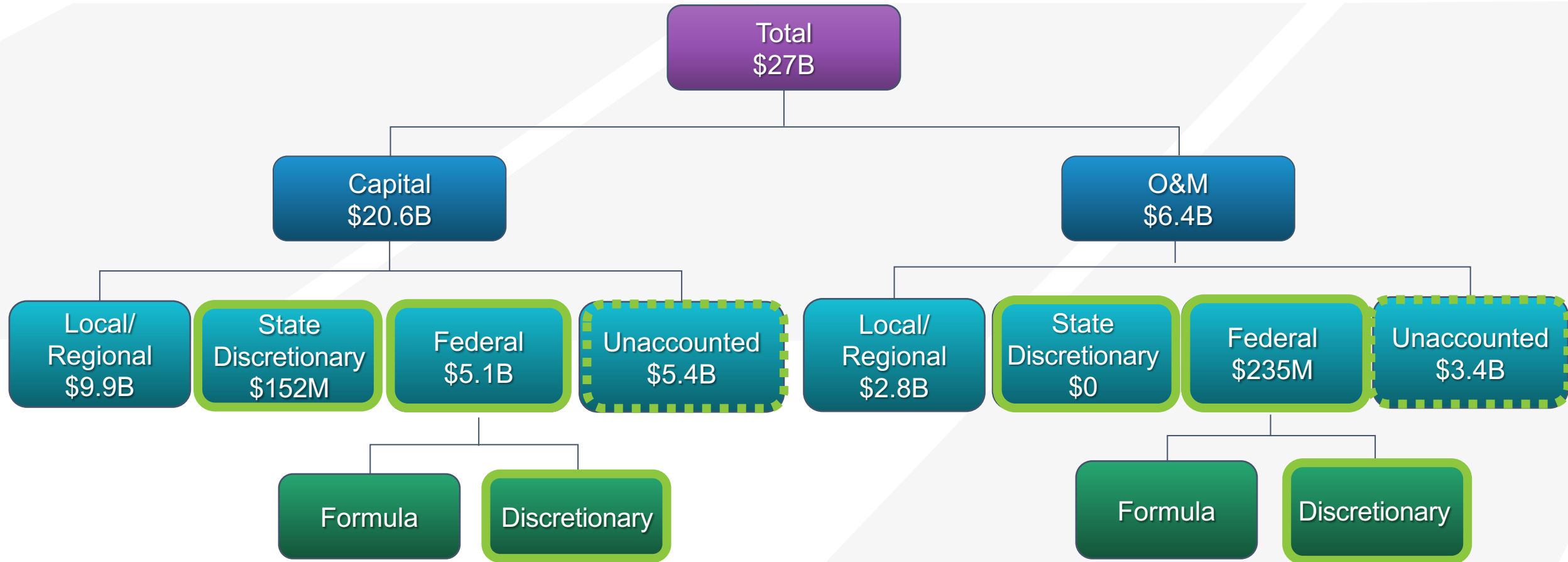
➤ 116 projects

- » Projects still under development; funding assumptions still unconfirmed
- » Projects to be completed exclusively with local and/or formula funds and do not meet the definition of regionally significant



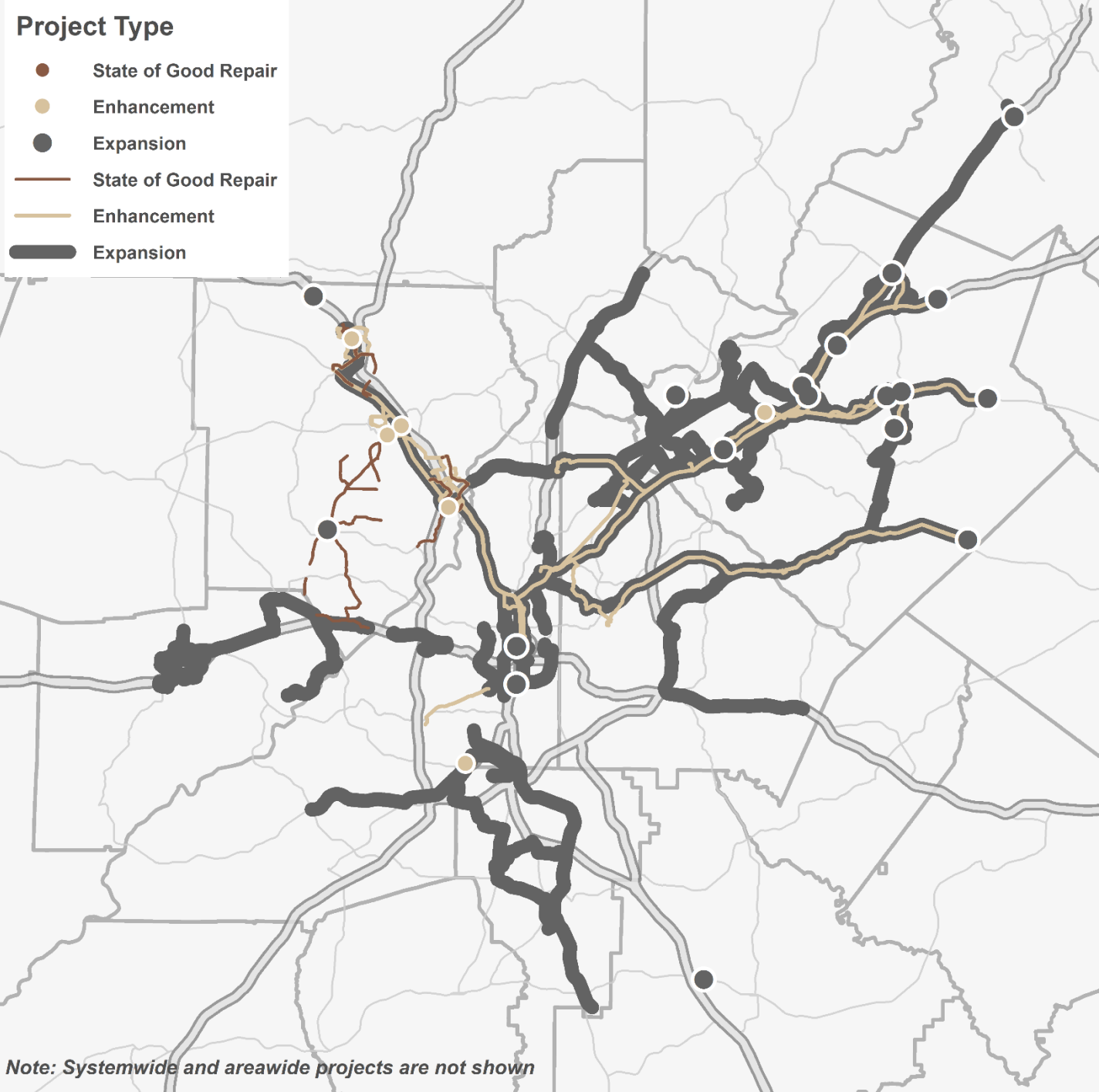
Transit Project Review

Projects Seeking Federal/State Discretionary Dollars



Projects with Fed / State Discretionary Funding Identified

- 76 projects, \$16.1B
 - » 40% by count
 - » 60% by \$-amount
- Any project seeking federal or state discretionary funding was placed into 1 of 3 project quadrants
- Project quadrants support project development discussions for the ARTP and RTP/TIP



Transit Project Review

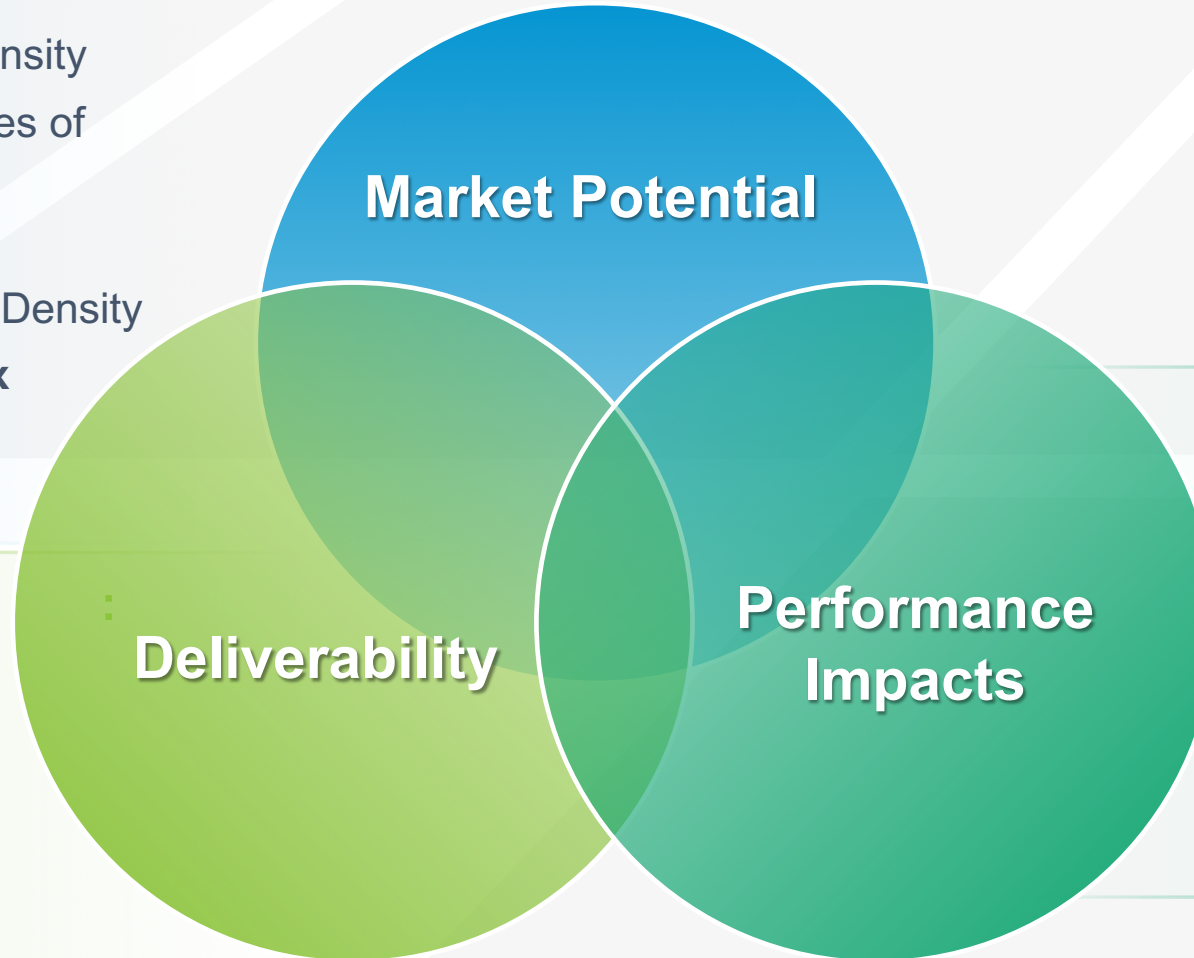
Multi-Criteria Prioritization Model

MARKET POTENTIAL:

- Existing/Projected Population Density
- Existing Population – Communities of Interest
- Existing Employment Density
- Existing Low Wage Employment Density
- **Existing/Planned Land Use Mix (+/- Community Impacts)**
- **(Re) Development Potential**

DELIVERABILITY

- **Financial Plan**
- Documented Project Support
- Project Readiness – Schedule, Environmental Impacts
- Regional Integration



PERFORMANCE IMPACTS:

- Transit Trips
- **Transit Reliability**
- Increased Useful Life
- Elements to Improve Safety / Security / Environment

Transit Project Review

Four-Quadrant Matrix Model

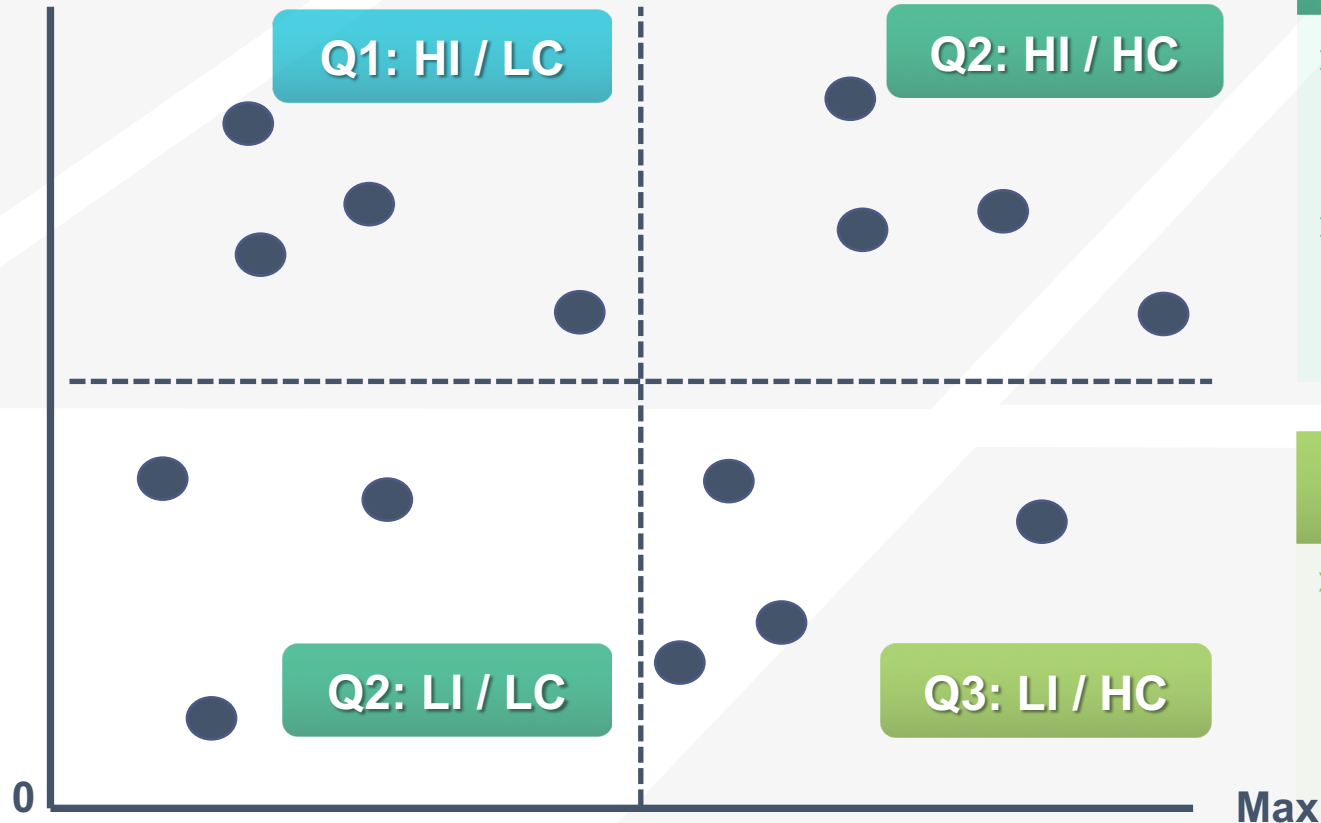
Quadrant 1 Higher Impact / Lower Cost

- » High impact (progress towards ARTP goals) at the least relative cost
- » **Investments that optimize both performance and funding**

Quadrant 2 Lower Impact / Lower Cost

- » Lower cost investments with less impact (progress towards ARTP goals)
- » **Investments that optimize funding**

Total Project Score
(0-100 pts)



Quadrant 2 Higher Impact / Higher Cost

- » High impact (progress towards ARTP goals) at a higher cost
- » **Investments that optimize performance**

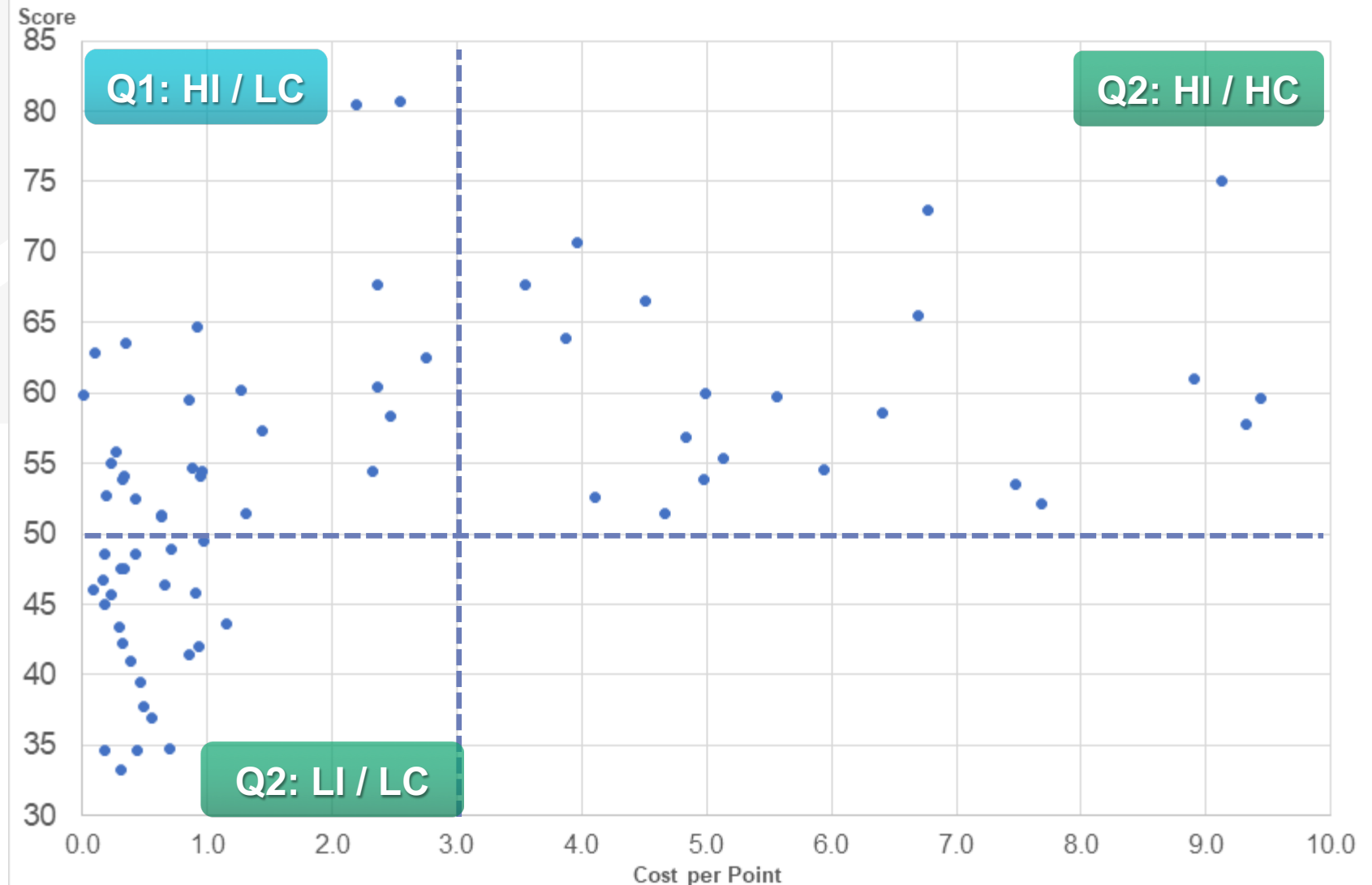
Quadrant 3 Lower Impact / Higher Cost

- » Higher cost investments with less impact (progress towards ARTP goals)

Transit Project Review

Projects Seeking Fed/State Discretionary Funding

Scatterplot for all 76 ARTP projects requiring federal or state discretionary funding

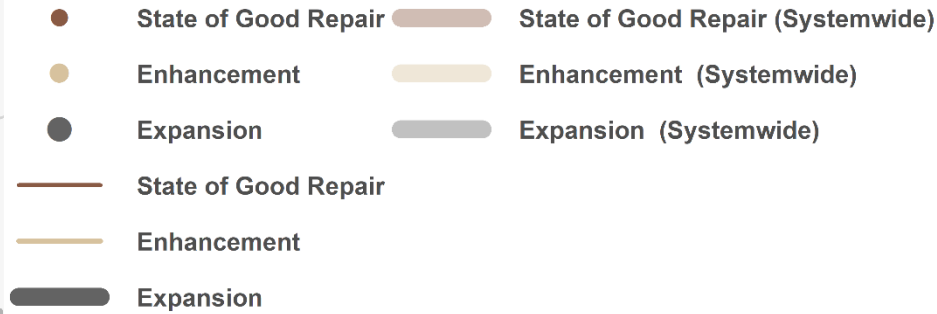


Quadrant 1

Higher Impact/Lower Cost

- High impact investment, lower cost
- Optimizes both performance and funding
 - » 26 projects
 - » Projects average 59 points
 - » \$1.8 billion (total cost)

Quadrant 1 Projects



Quadrant 1 Projects: *Higher Impact/Lower Cost*

Project Name	Project Sponsor	Total Cost	Quadrant
Aerotropolis Corporate Crescent Circulator – Phase I	Aerotropolis CID	\$ 10,000,000	Q1: HI/LC
Northwest Regional High Capacity Transit Corridor	Atlanta	\$ 59,500,000	Q1: HI/LC
New Service / New Technology Town Center Autonomous Shuttle	Chamblee	\$ 22,020,000	Q1: HI/LC
Transit Signal Priority	CobbLinc	\$ 800,000	Q1: HI/LC
Cumberland Transfer Center	CobbLinc	\$ 51,000,000	Q1: HI/LC
Marietta Transfer Center	CobbLinc	\$ 51,000,000	Q1: HI/LC
Marietta Maintenance Facility	CobbLinc	\$ 18,000,000	Q1: HI/LC
LRT-1b - Clifton Corridor LRT (Segment 1b)	DeKalb County	\$ 142,500,000	Q1: HI/LC
Capitol Ave /Summerhill BRT	MARTA	\$ 176,000,000	Q1: HI/LC
Elevators & Escalators - Elevator Rehabilitation	MARTA	\$ 160,000,000	Q1: HI/LC
Northside Drive BRT	MARTA	\$ 172,100,000	Q1: HI/LC
Track Renovation Phase IV	MARTA	\$ 205,000,000	Q1: HI/LC
Renovate Pedestrian Bridges	MARTA	\$ 6,300,000	Q1: HI/LC
Town Center/Big Shanty Park and Ride Expansion	SRTA	\$ 12,440,787	Q1: HI/LC
Sugarloaf Park and Ride	SRTA	\$ 14,833,539	Q1: HI/LC
State Route 316 Park-and-Rides and Commuter Express Service	GCT	\$ 51,824,400	Q1: HI/LC
Short-Range Direct Connect Package	GCT	\$ 48,004,300	Q1: HI/LC
Mid-Range Express Commuter Bus Expansion Package	GCT	\$ 17,317,350	Q1: HI/LC
Local Bus Expansion: Route 21 Steve Reynolds Blvd	GCT	\$ 32,658,200	Q1: HI/LC
Long-Range Express Commuter Bus Expansion Package	GCT	\$ 21,935,100	Q1: HI/LC
Direct Connect Expansion: Route 403 Peachtree Corners to Perimeter	GCT	\$ 32,741,350	Q1: HI/LC
Long-Range Direct Connect Service Enhancements	GCT	\$ 67,330,500	Q1: HI/LC
Rapid Bus Expansion: Route 201 Steve Reynolds Blvd	GCT	\$ 82,629,750	Q1: HI/LC
BRT Route 700: Long Range Service Changes	GCT	\$ 76,705,900	Q1: HI/LC
Indian Trail In-Line Stop and Park-and-Ride	GCT	\$ 143,500,000	Q1: HI/LC
BeltLine West LRT	MARTA	\$ 126,400,000	Q1: HI/LC

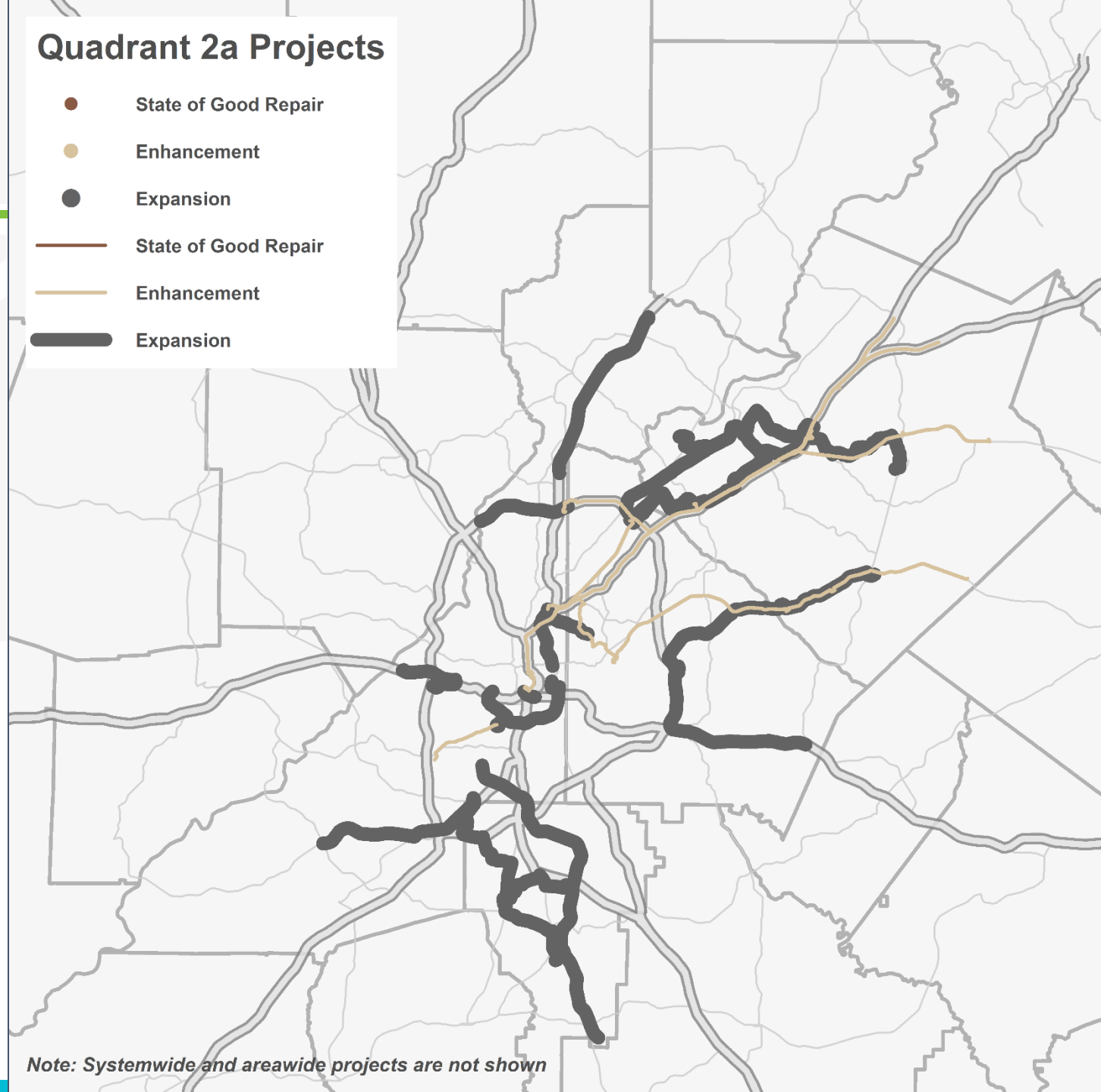
Quadrant 2

Higher Impact/Higher Cost

- High impact investment, at higher cost
- Optimizes performance
 - » 25 projects
 - » Projects average 60 points
 - » \$13.4 billion (total cost)

Quadrant 2a Projects

- State of Good Repair
- Enhancement
- Expansion
- State of Good Repair
- Enhancement
- Expansion



Note: Systemwide and areawide projects are not shown

Quadrant 2 Projects: *Higher Impact/Higher Cost*

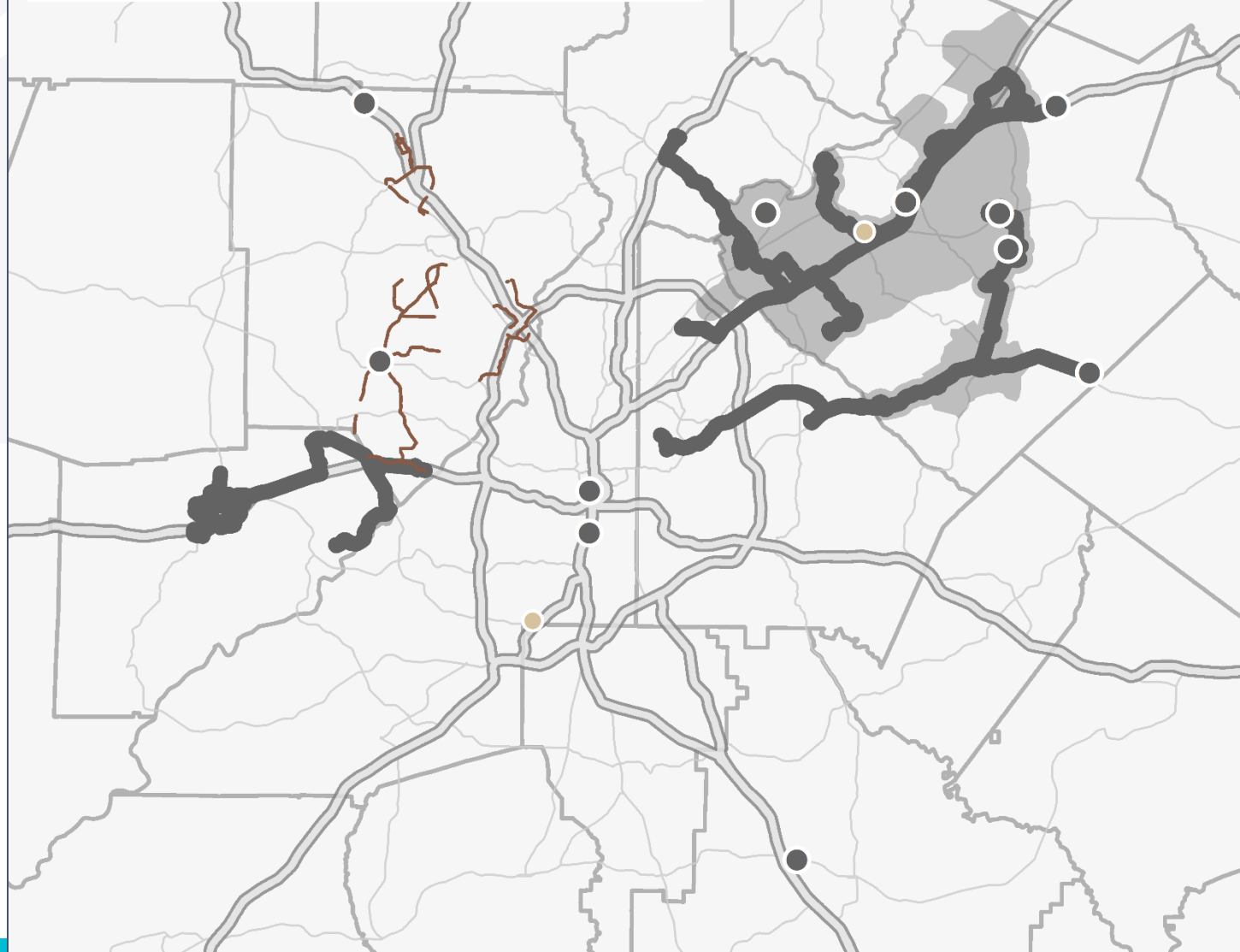
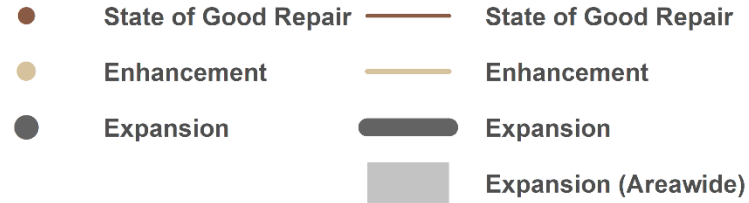
Project Name	Project Sponsor	Total Cost	Quadrant
MARTA West Line High Capacity Transit	Atlanta	\$ 283,600,000	Q2: HI/HC
BRT-15 Buford Highway High Capacity Transit	Brookhaven	\$ 280,000,000	Q2: HI/HC
I-285 Top End Transit in Express Lanes	Fulton County	\$ 247,500,000	Q2: HI/HC
South Fulton Parkway Rapid Transit in Dedicated Lanes	Fulton County	\$ 275,000,000	Q2: HI/HC
Beltline Northeast LRT	MARTA	\$ 298,800,000	Q2: HI/HC
BeltLine Southeast LRT	MARTA	\$ 400,140,000	Q2: HI/HC
Beltline SouthWest LRT	MARTA	\$ 324,000,000	Q2: HI/HC
Campbellton Rd HCT	MARTA	\$ 538,400,000	Q2: HI/HC
Clifton Corridor (Phase 1)	MARTA	\$ 1,875,099,246	Q2: HI/HC
Elevators & Escalators - Escalator Rehabilitation	MARTA	\$ 240,000,000	Q2: HI/HC
IT & Software	MARTA	\$ 400,000,000	Q2: HI/HC
Auxiliary Power Switch Gear	MARTA	\$ 240,000,000	Q2: HI/HC
Clayton County Transit Initiative - BRT	MARTA	\$ 375,000,000	Q2: HI/HC
Clayton County Transit Initiative - CRT	MARTA	\$ 900,000,000	Q2: HI/HC
GA 400 Transit Initiative BRT	MARTA / Fulton County	\$ 300,000,000	Q2: HI/HC
Roofing and Skylights - Roofing Rehabilitation Program	MARTA	\$ 562,500,000	Q2: HI/HC
Station Rehabilitation - Program Schedule	MARTA	\$ 685,000,000	Q2: HI/HC
Mid-Range BRT Route 700: Doraville to Sugarloaf Mills	GCT	\$ 438,299,733	Q2: HI/HC
Long-Range Express Commuter Bus Service Enhancement Package	GCT	\$ 215,870,900	Q2: HI/HC
Rapid Bus Expansion: Route 200 Peachtree Industrial Blvd	GCT	\$ 267,935,400	Q2: HI/HC
BRT Route 701: Lawrenceville to Peachtree Corners	GCT	\$ 543,527,500	Q2: HI/HC
BRT Route 702: Snellville to Indian Creek Rail Station	GCT	\$ 332,908,050	Q2: HI/HC
Gold Line HRT Extension to Jimmy Carter Multimodal Hub	GCT	\$ 1,413,299,300	Q2: HI/HC
I-20 East Heavy Rail to Stonecrest	RTP	\$ 1,471,802,476	Q2: HI/HC

Quadrant 2

Lower Impact/Lower Cost

- Lower cost investment with less impact
- Optimizes funding
 - » 25 projects
 - » Projects average 43 points
 - » \$0.5 billion (total cost)

Quadrant 2b Projects



Quadrant 2 Projects: *Lower Impact/Lower Cost*

Project Name	Project Sponsor	Total Cost	Quadrant
Aerotropolis Intermodal Transportation Center	Aerotropolis CID	\$ 50,000,000	Q2: LI/LC
ATL RIDES (Atlanta-Region Rider Information and Data Evaluation System) App	ATL	\$ 738,000	Q2: LI/LC
ADA Compliant Sidewalks	CobbLinc	\$ 6,250,000	Q2: LI/LC
South Cobb Transfer Center	CobbLinc	\$ 8,500,000	Q2: LI/LC
Fixed Route Operating Assistance	Douglas County	\$ 4,000,000	Q2: LI/LC
Connector Reliever Park & Ride Deck	MARTA	\$ 7,500,000	Q2: LI/LC
Hickory Grove Park and Ride	SRTA	\$ 13,011,560	Q2: LI/LC
Mt. Carmel Park and Ride	SRTA	\$ 14,928,400	Q2: LI/LC
Short-Range Paratransit Service	GCT	\$ 41,573,000	Q2: LI/LC
Gwinnett Place Transit Center Improvements	GCT	\$ 20,500,000	Q2: LI/LC
Georgia Gwinnett College Transit Center	GCT	\$ 10,250,000	Q2: LI/LC
Peachtree Corners Park-and-Ride	GCT	\$ 20,500,000	Q2: LI/LC
Braselton Park-and-Ride and Express Commuter Service	GCT	\$ 18,323,450	Q2: LI/LC
Loganville Park-and-Ride and Express Commuter Service	GCT	\$ 18,290,350	Q2: LI/LC
Infinite Energy Transit Center	GCT	\$ 10,250,000	Q2: LI/LC
Lawrenceville Transit Center	GCT	\$ 30,750,000	Q2: LI/LC
Lawrenceville Maintenance Facility	GCT	\$ 39,266,725	Q2: LI/LC
Rapid Bus Expansion: Route 205 Jimmy Carter Blvd/Holcomb Bridge Road	GCT	\$ 48,120,600	Q2: LI/LC
Short-Range Local Bus Expansion: Route 15	GCT	\$ 15,722,000	Q2: LI/LC
Short-Range Local Bus Expansion: Route 25	GCT	\$ 7,780,300	Q2: LI/LC
Short-Range Local Bus Expansion: Route 50	GCT	\$ 35,500,900	Q2: LI/LC
Short-Range Local Bus Expansion: Route 60	GCT	\$ 15,606,100	Q2: LI/LC
Short-Range Local Bus Expansion: Route 70	GCT	\$ 13,674,800	Q2: LI/LC
Short-Range Flex Bus Expansion: Route 500	GCT	\$ 14,955,900	Q2: LI/LC
Short-Range Flex Bus Expansion: Route 503	GCT	\$ 24,266,800	Q2: LI/LC

Quadrant 3

- No projects fell into Quadrant 3 – our higher cost projects are maximizing performance
- This quadrant should capture projects where additional development or refinement is needed:
 - » Project scoping components that better align with market, performance and/or deliverability considerations
 - » Project cost considerations
- Projects that fall into Quadrant 3 need additional work to move them into one of the other quadrants; should trigger a conversation between sponsor and the ATL around if / how best to advance

Transit Project Review

Initial Findings

- Healthy distribution of projects by type; however, geographic distribution leaned towards areas with recently completed transit plans
 - » Over time a regional planning approach will help balance this initial “ground-up” process
- Project data inconsistent across submissions
 - » Scope details
 - » Project cost and funding assumptions
 - » Supporting materials
- Projects yielded a reasonable distribution of points across ARTP performance framework criteria and cost-effectiveness
- Process is “stable” in that it can flex projects in or out without drastically restructuring results

Transit Project Review

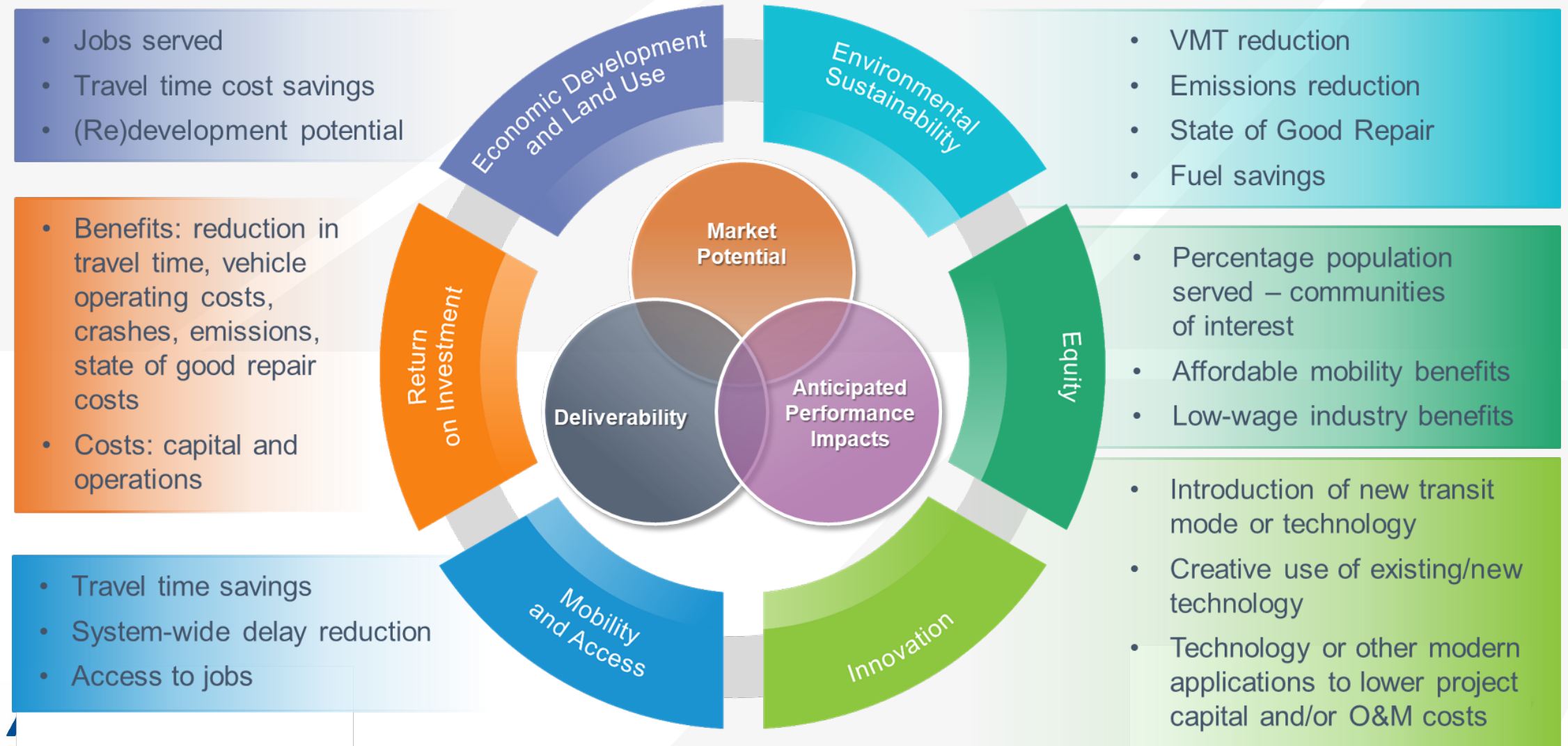
Project Level Alignment to Governing Principles

Criteria Filter	Criteria 1 +	Criteria 2 +	Criteria 3 =	Total Point Value
Economic Development and Land Use	Regional Integration / Connectivity	Land Use Mix (+/- Community Impacts)		Summarize across projects for each Governing Principle: -- Investments that are most directly advancing each principle -- Summary impact assessment for each principle (plan analysis)
Environmental Sustainability	Elements to Improve Safety / Security / Environment			
Equity	Communities of Interest Population	Low Wage Employment Density	(Re)Development Potential	
Innovation	Transit Reliability			
Mobility and Access	Transit Trips			
Return on Investment	Cost-Effectiveness			



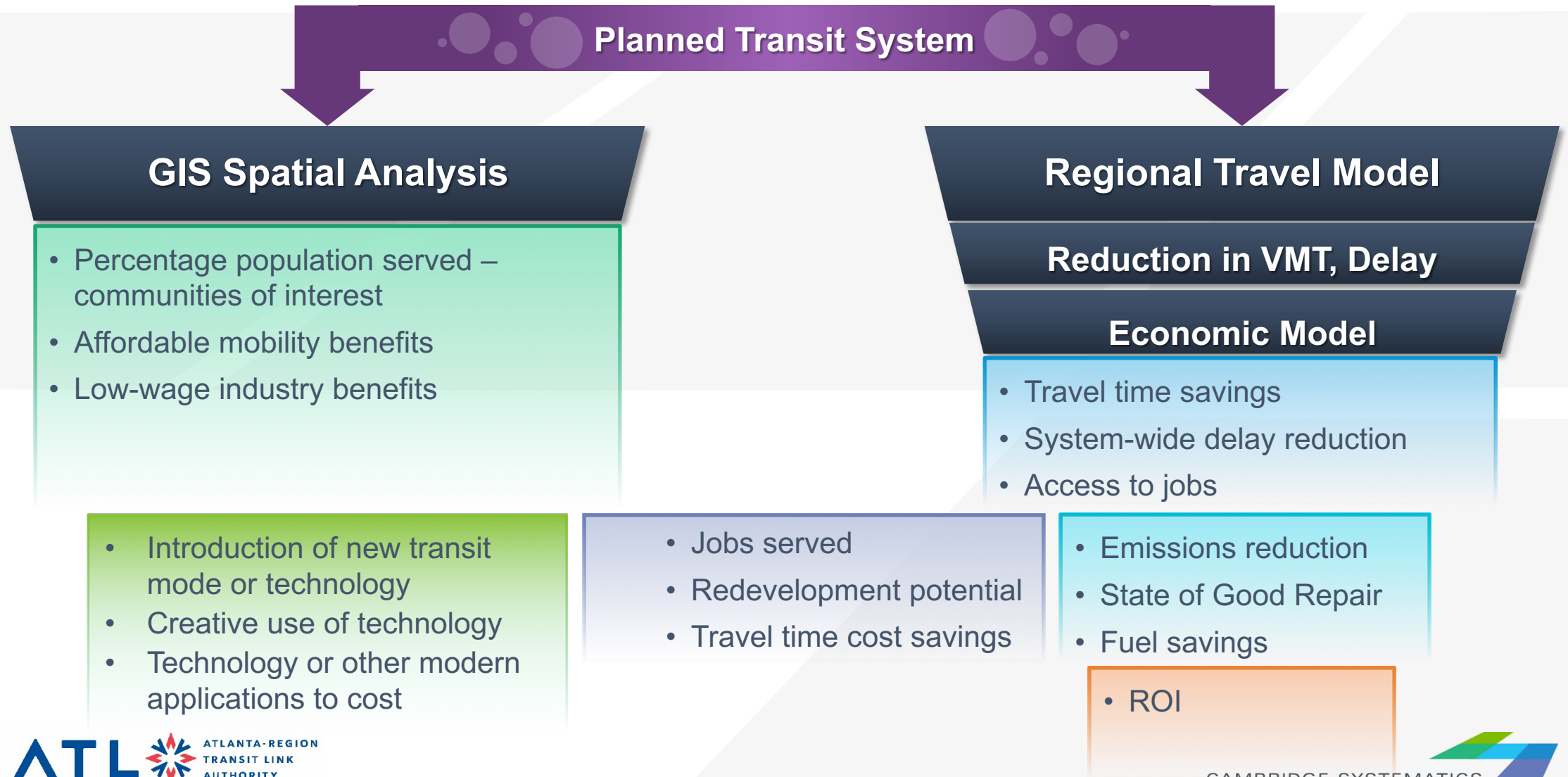
Next Steps

Plan-Level Evaluation



Next Steps

Plan-Level Evaluation



Next Steps

Outreach and Engagement

- Draft ARTP narrative
- District outreach/Engagement

Questions