

SAFETY ACTION PLAN:

A supplemental report to “Walk. Bike. Thrive!”
on walking and bicycling safety



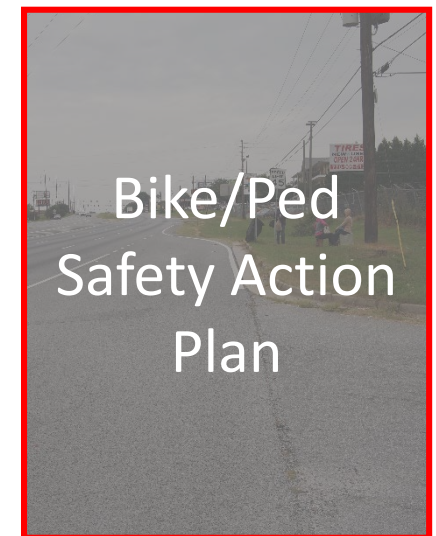
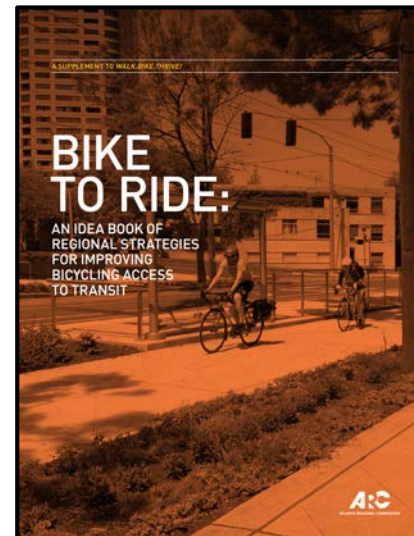
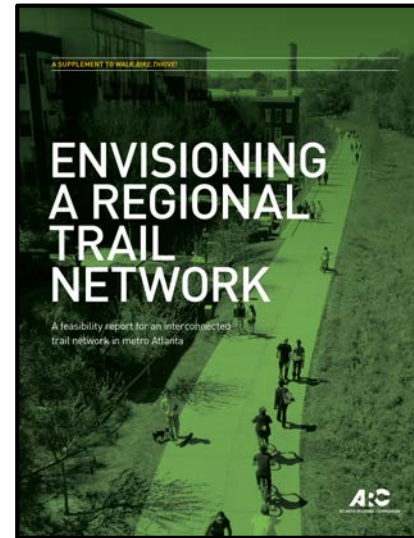
@ARCbikewalk

www.atlantaregional.org/bikeped



EXPANDING OUR VISION

SUPPLEMENTAL REPORTS IN KEY FOCUS AREAS



PROJECT APPROACH

TRENDS, FACTORS, & SOLUTIONS

- **Identify regional trends:**
 - Establish current trajectory.
 - Inform regional targets.
- **Identify risk factors:**
 - *How*: contributing factors to typical crashes.
 - *Where*: distribution of those factors.
- **Identify solutions:**
 - Incorporate cost-effective, evidence-based solutions to prevent crashes.



UNDERSTANDING SAFETY APPROACHES

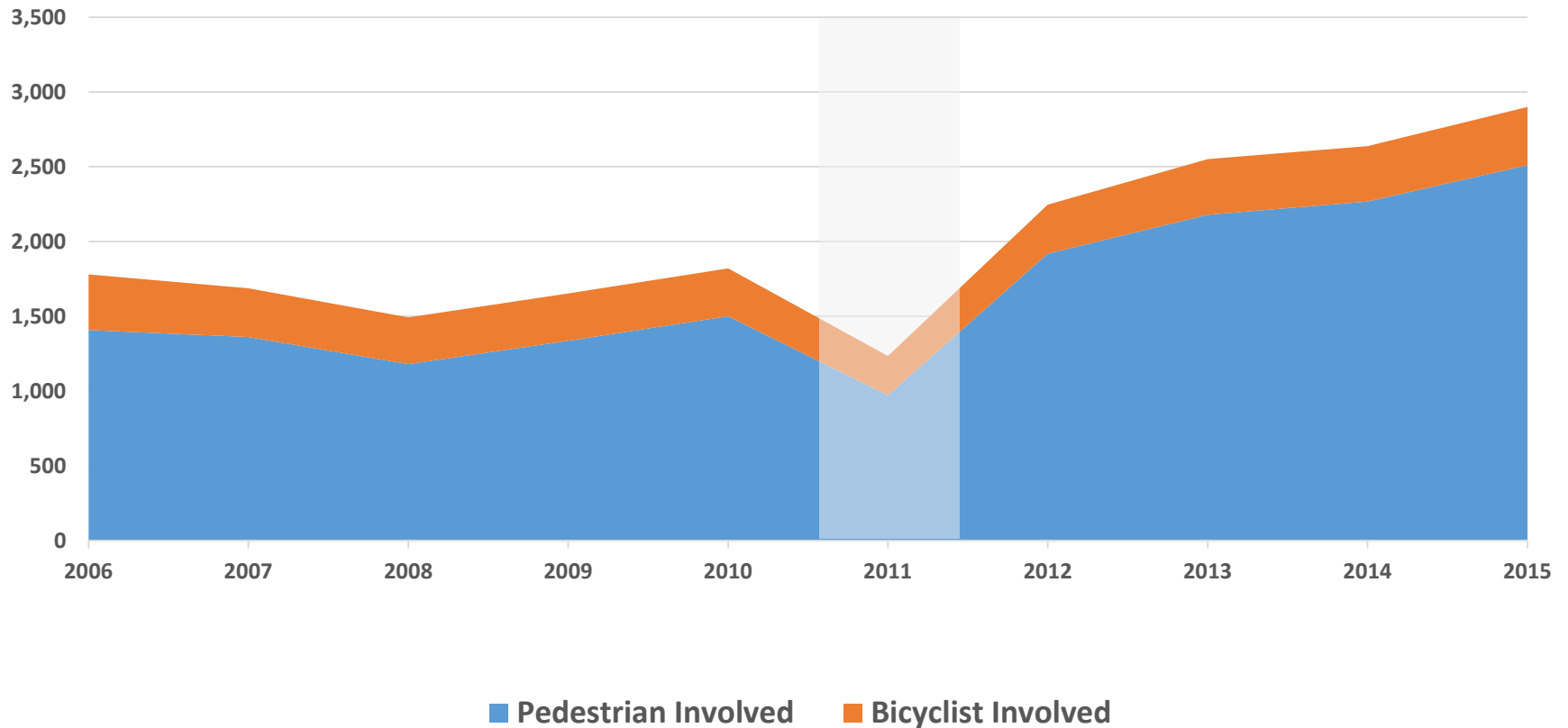
RISK, EXPOSURE, & SYSTEMS

- **Safe systems:**
 - Streets
 - Speeds
 - Vehicles
 - People
- **Systemic approaches:**
 - Assess risks (not just history)
 - Assign priority
 - Use cost-effective countermeasures



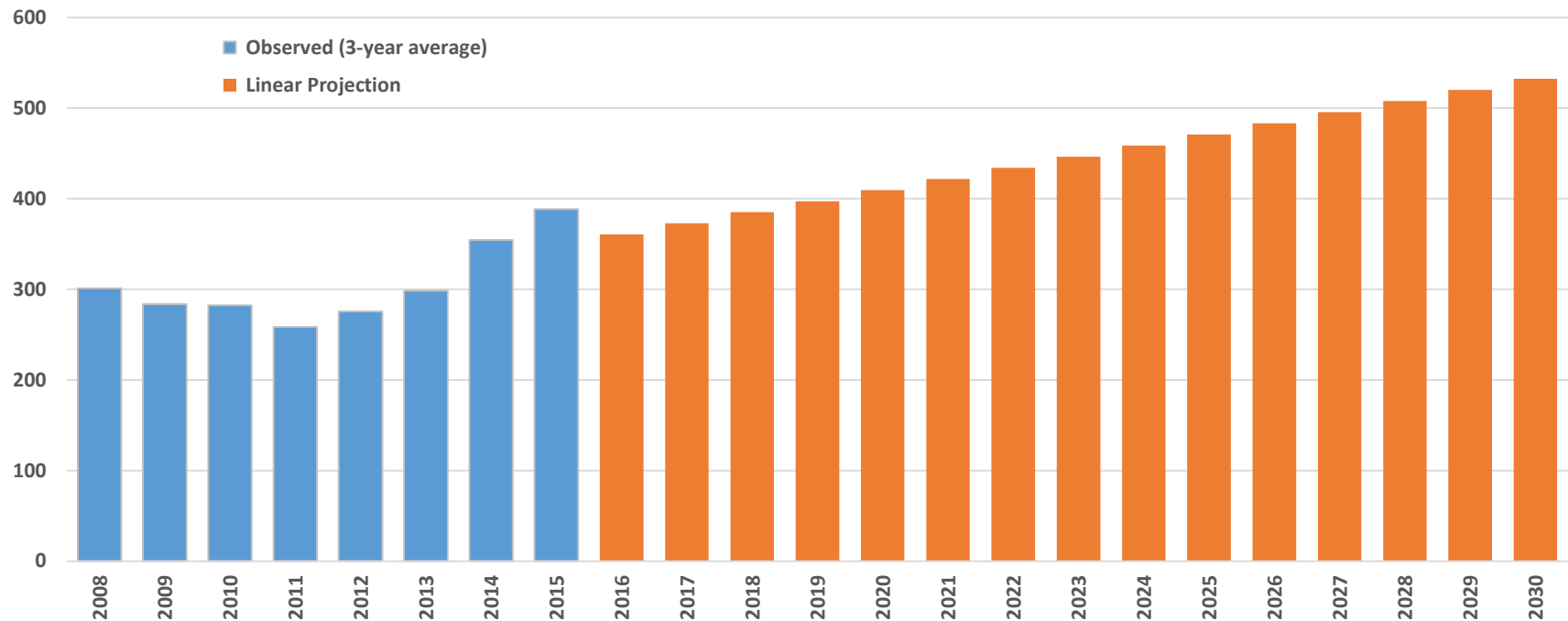
REGIONAL TRENDS

UPWARD GROWTH OVER 10 YEARS



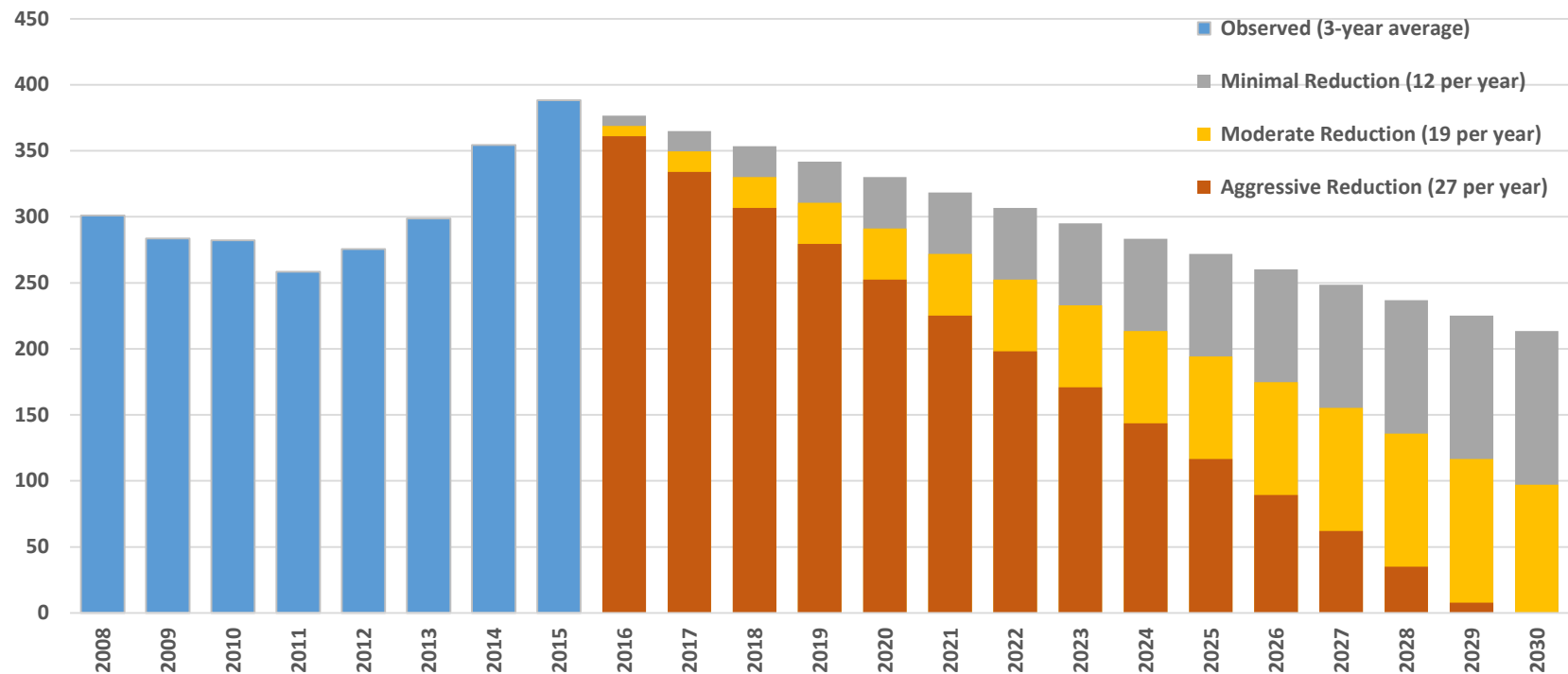
REGIONAL TRAJECTORY

PROJECTED INCREASE BASED ON RECENT PATTERNS



REGIONAL TARGETS

ACTIONABLE TARGETS TO REACH ZERO



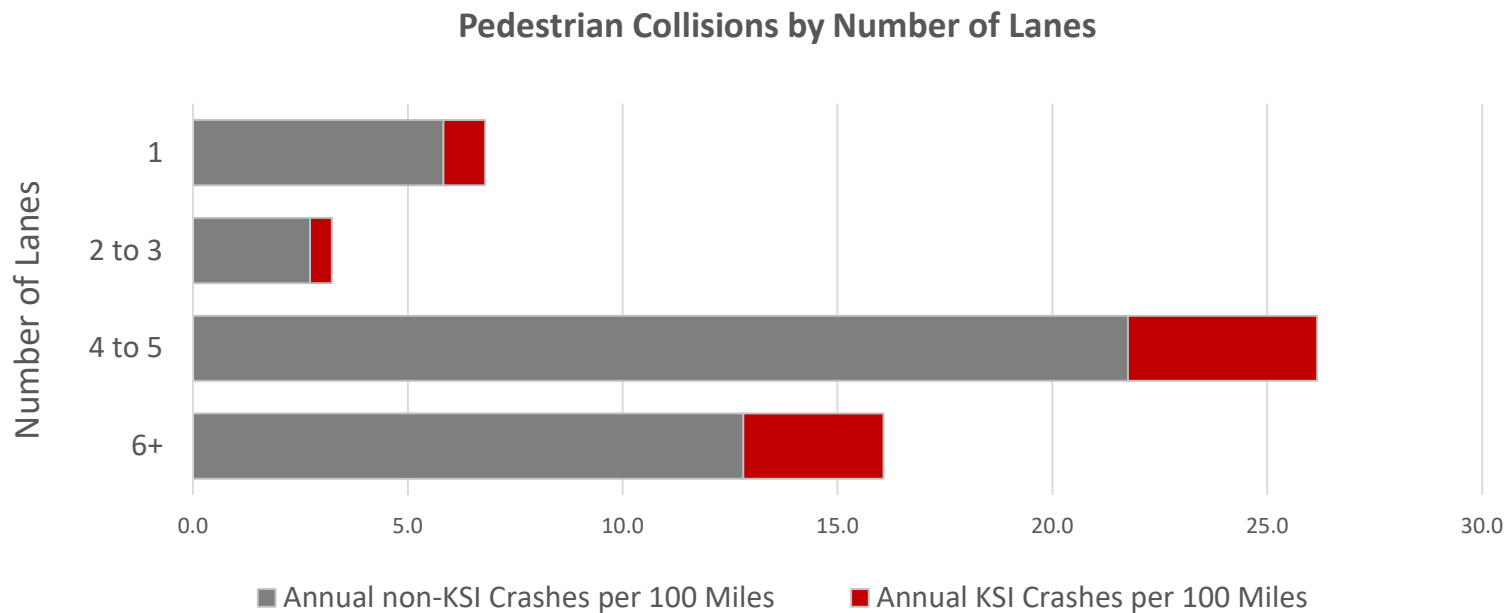
REGIONAL TARGETS

MEASURING ADVANCEMENT TOWARDS ZERO

	Minimal Reduction	Moderate Reduction	Aggressive Reduction
2016 percentage reduction	3%	5%	7%
Annual reduction	12	19	27
Projected year with zero fatalities and serious injuries	2049	2035	2030
Cumulative fatality and serious injury reduction by 2025 (relative to projection)	915	1,342	1,769

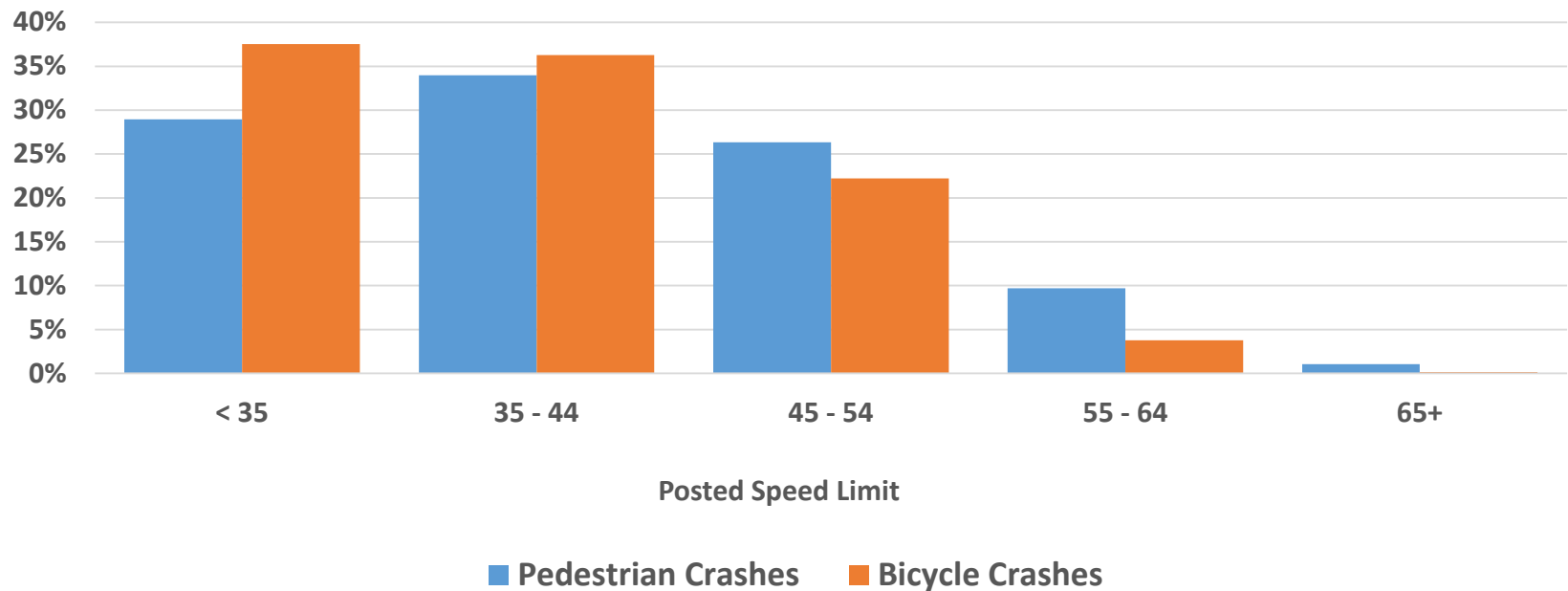
CONTRIBUTING FACTORS

ROADWAY WIDTH (NUMBER OF LANES)



CONTRIBUTING FACTORS

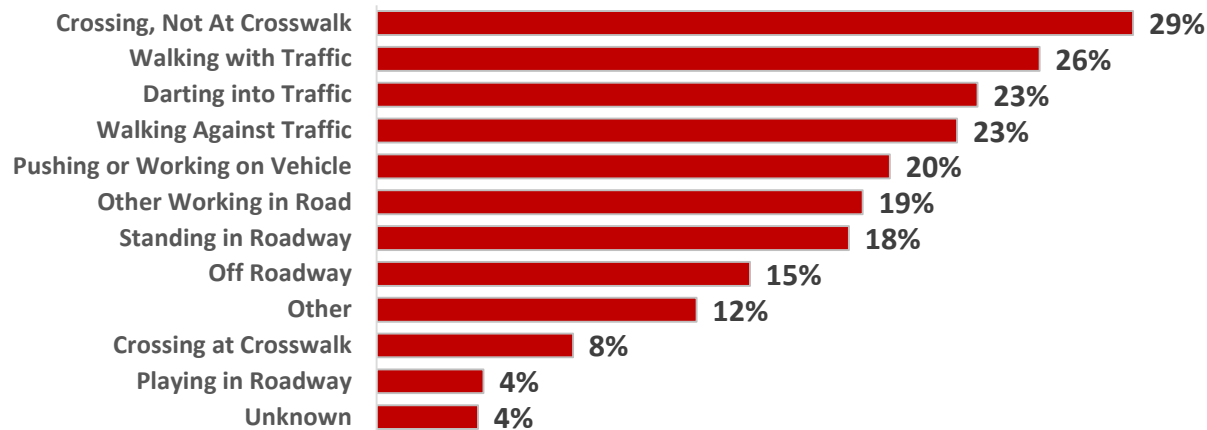
ROADWAY SPEEDS (SPEED LIMITS)



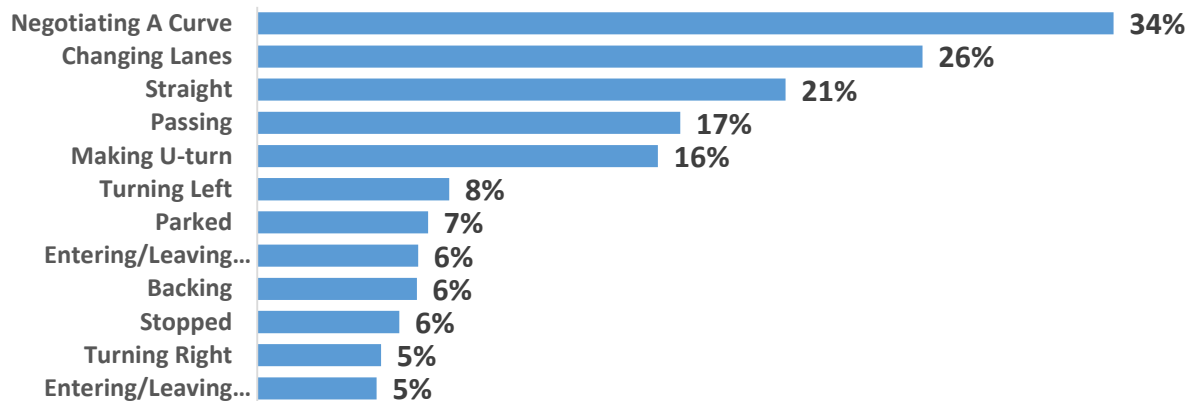
CONTRIBUTING FACTORS

USER BEHAVIORS / LOCATIONS

Pedestrian Behavior

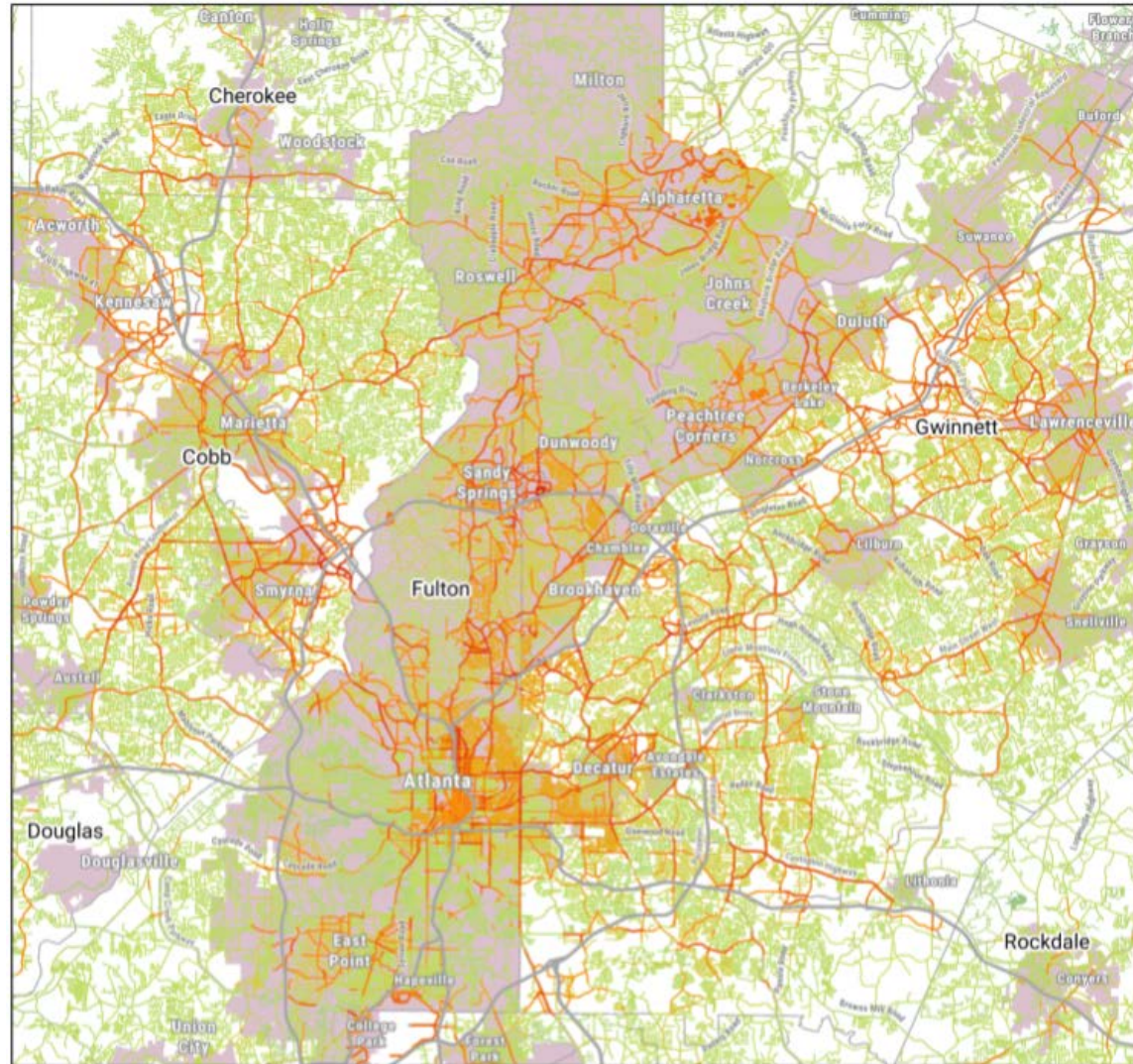
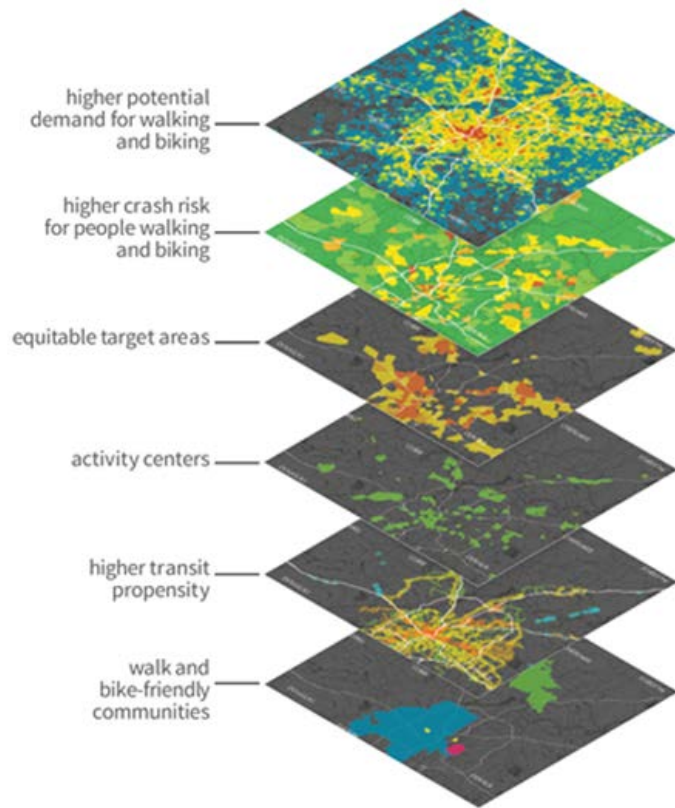


Driver Behavior



DATA ANALYSIS

APPLYING FACTORS TO NETWORK



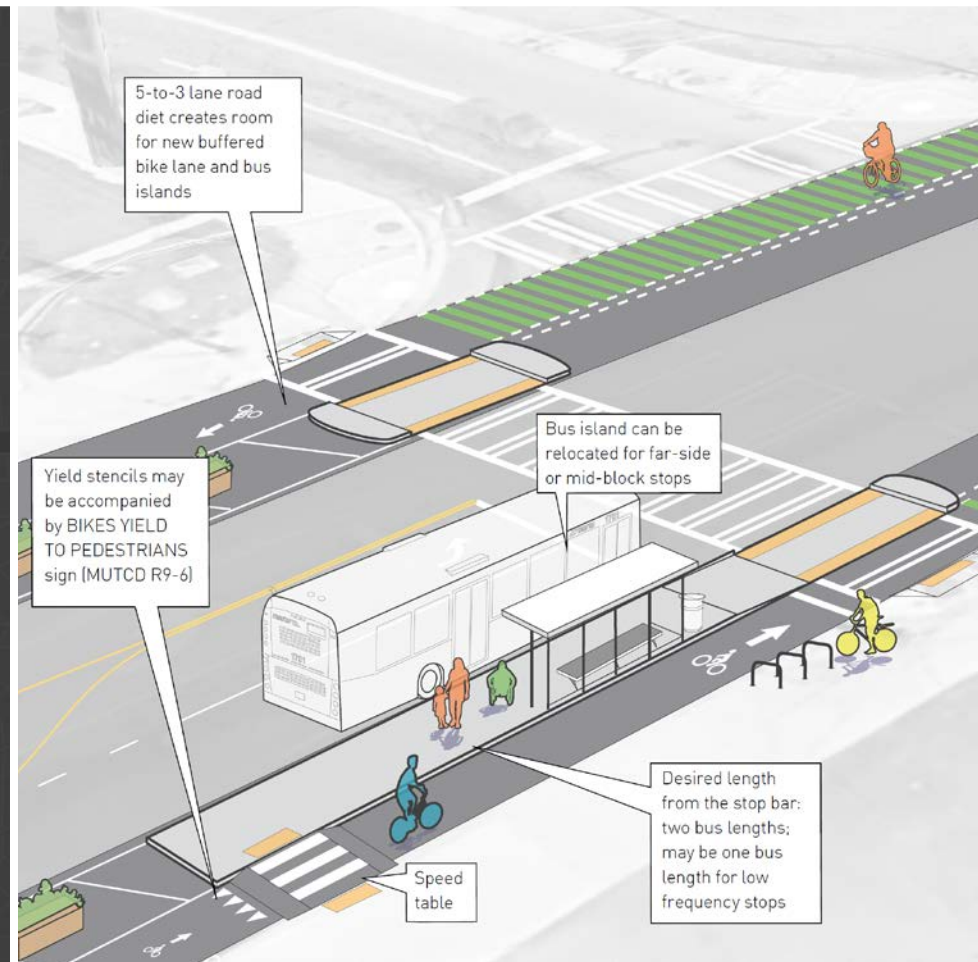
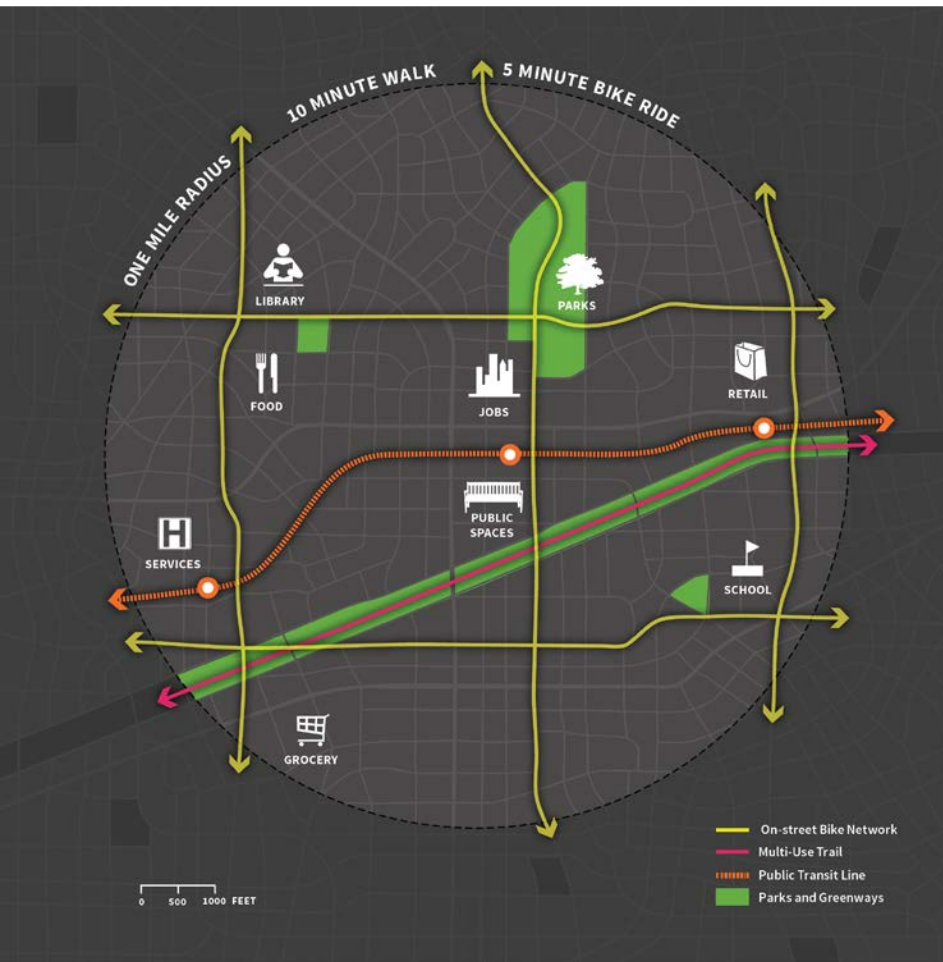
REGIONAL STRATEGIES FOR SAFETY

SUPPORTING COMPLETE STREETS



REGIONAL STRATEGIES FOR SAFETY

WALKABLE COMMUNITIES & REGIONAL TRANSIT



REGIONAL PRIORITIZATION & TIP FUNDING

DATA-DRIVEN SUPPORT FOR MPO PROCESS

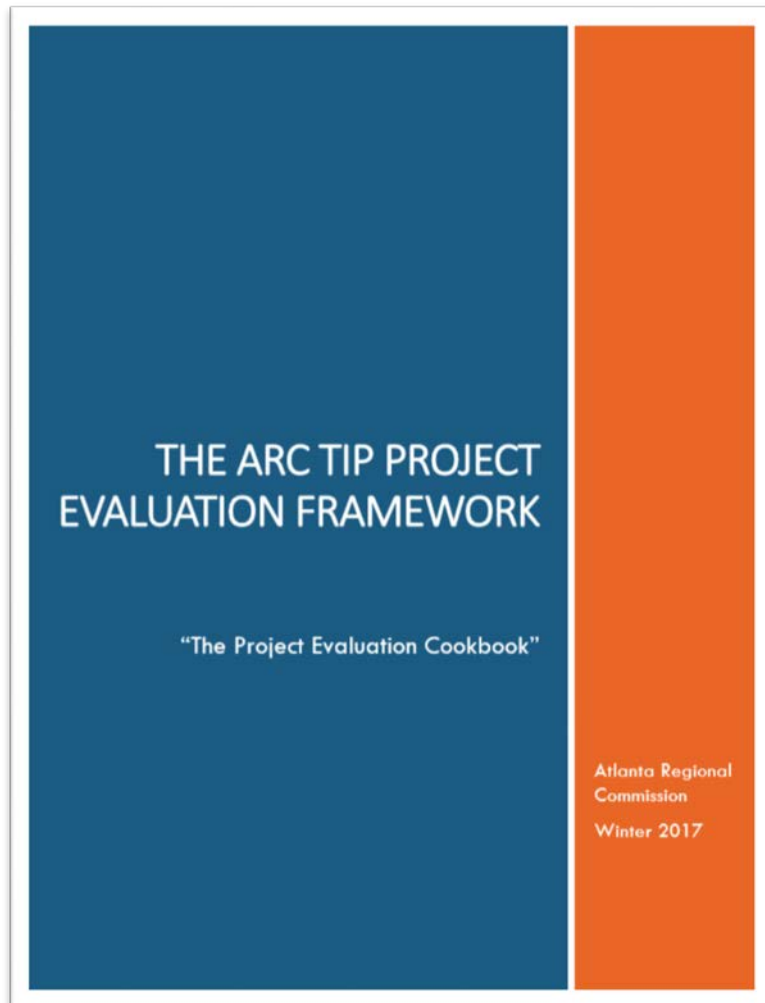


Table B1 – Bicycle Project Evaluation Scheme

Vision	Criteria	Measures
World Class Infrastructure	Mobility/Congestion	Bicycle Trips
	Reliability	-
	Network Connectivity	1) Transit Accessibility 2) Bike Network Connectivity
	Multimodalism	Multimodal Accommodation
	Asset Management & Resiliency	-
Healthy Livable Communities	Safety	Improved Safety
	Air Quality & Climate Change	Project Emissions
	Cultural & Environmental Resources	Benefits to Cultural and Environmental Resources
	Social Equity	Addressing Social Equity
Competitive Economy	Land Use Compatibility	Connections to High Density Propensity Areas
	Goods Movement	-
	Employment Accessibility	Supporting Regionally Significant Locations

Table P1 – Pedestrian Project Evaluation Scheme

Vision	Criteria	Measures
World Class Infrastructure	Mobility/Congestion	Pedestrian Trips
	Reliability	-
	Network Connectivity	1) Transit Accessibility 2) Pedestrian Network Connectivity
	Multimodalism	Multimodal Accommodation
	Asset Management & Resiliency	-
Healthy Livable Communities	Safety	Improved Safety
	Air Quality & Climate Change	Project Emissions
	Cultural & Environmental Resources	Benefits to Cultural and Environmental Resources
	Social Equity	Addressing Social Equity
Competitive Economy	Land Use Compatibility	Connections to High Density Propensity Areas
	Goods Movement	-
	Employment Accessibility	Supporting Regionally Significant Locations