



ITS Georgia Technical Committee
RENEW ATLANTA
NORTH AVENUE CORRIDOR

SmartCity



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"Always start your presentation with a joke, but be careful not to offend anyone! Don't mention religion, politics, race, age, money, technology, men, women, children, plants, animals, food...."





RENEW ATLANTA OVERVIEW & HISTORY

- *Renew Atlanta* is an infrastructure improvement program for the City of Atlanta. It was developed by Mayor Kasim Reed and the Atlanta City Council to address Atlanta's critical needs through bond dollars that will allow the City to make urgent repairs to Atlanta's infrastructure without raising property taxes.
- The \$250 million program is the first major investment in Atlanta's aboveground infrastructure in more than a decade and a first step toward resolving an infrastructure repair backlog of more than \$900 million.
- Voters overwhelmingly approved the infrastructure bond program through two ballot questions in a special election held on March 17, 2015.

The program will:

- Replace street lights to make neighborhoods safer
- Repair and replace bridges to connect communities
- Upgrade traffic signals to make commutes easier and reduce congestion
- Install bike lanes and Complete Streets projects for more transportation options
- Build and repair sidewalks, curbs, and Americans with Disabilities Act (ADA) ramps for better mobility
- Upgrade public facilities, improve our parks and recreation areas and public art



SMART CITY PILLARS



Improve Mobility

- Reduce traffic/congestion
- Empower people with choice and control
- Decrease average commute times
- Reduce pollution from transportation



Improve Public Safety

- Reduce response times
- Improve clearance rate
- Lowering overall crime rates with more resolution and more prevention
- Increase in situational awareness



Improve Sustainability

- Reduction in emissions and greenhouse gases
- Improve water quality and conservation
- Improve waste prevention, recycling, reuse
- Encourage clean/renewal energy power generation



Grow the Economy

- Increase # financial transactions
- Increase permit requests
- Increase new construction
- Increase # new jobs created



Enable Smart City Data Economy

DATL – A city-wide **open data hub & data exchange marketplace** for city departments, citizens, businesses, and entrepreneurs

- Real-time situational awareness
- Proactive service optimization
- Simulation and predictive insight



NORTH AVENUE SMART CORRIDOR: DESTINATIONS & EMPLOYMENT

The map displays the North Avenue Smart Corridor from Marietta St. NW to Ponce De Leon Ave. NE. Key features include:

- Logos at the top:** Georgia Tech (GT), Varsity, MARTA, FOX, a modern building, Ponce City Market, and Atlanta BeltLine.
- Map:** Shows North Ave. NW, North Ave. NE, and various streets like Marietta St. NW, Tech Pkwy. NW, Peachtree St. NW, Peachtree St. SE, and Ponce De Leon Ave. NE. Traffic lights are marked along the corridor.
- Logos at the bottom:** Georgia Tech (GT), Coca-Cola, the Y, Georgia Department of Transportation (GDOT), EMORY HEALTHCARE, Central Park, and a park area.



NORTH AVENUE SMART CORRIDOR: TRANSIT



GA Tech Shuttle Routes



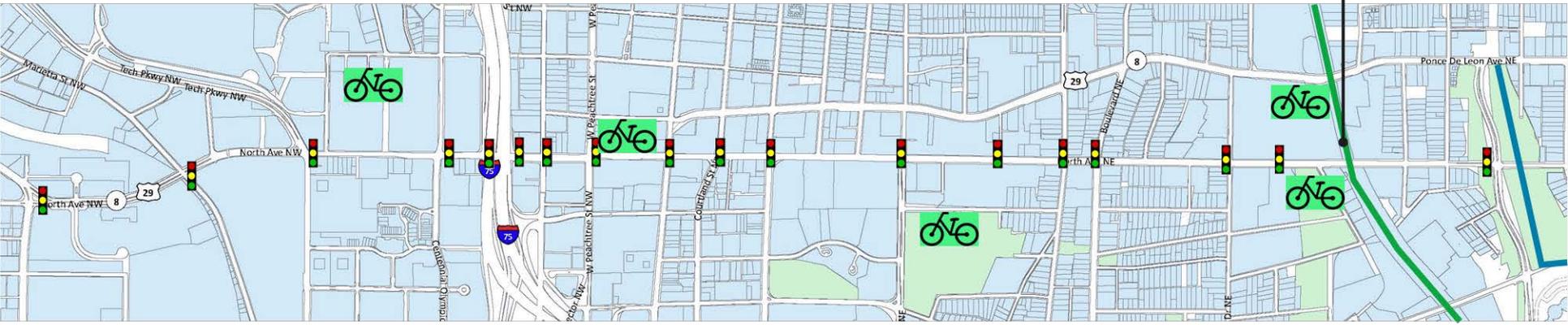
MARTA Bus Routes



Private Shuttles for Employees & Visitors



NORTH AVENUE SMART CORRIDOR: BICYCLE AND PEDESTRIAN



Heavy pedestrian activity
Few existing on-street bicycle facilities on
cross streets

-  Atlanta Beltline Eastside Trail
-  Freedom Park Trail
-  Future Atlanta Bike Share locations



NORTH AVENUE SMART CORRIDOR: ROADWAYS

US 29/US 278/SR 8
between Northside Dr. &
Juniper St./Piedmont Rd.

Crosses & Access to
Downtown Connector (I-75/I-85)

Connects Northside Dr. (US 29/SR 3) &
Freedom Pkwy. (SR 10)



Peak-Hour Congestion between
Northside Dr. & Piedmont Ave.

18
signalized
intersections

Varied Lane
Configurations

Possible Excess Capacity
East of Piedmont Ave.



NORTH AVENUE SMART CORRIDOR: DESCRIPTION

Smart Cities application set a foundation – safety, mobility, sustainability & economic vitality

City desires to be leader in emerging transportation technologies

Opportunities to partner with stakeholders on innovation

Economic, financial & competitive implications

Renew Atlanta Bond funding available for implementation

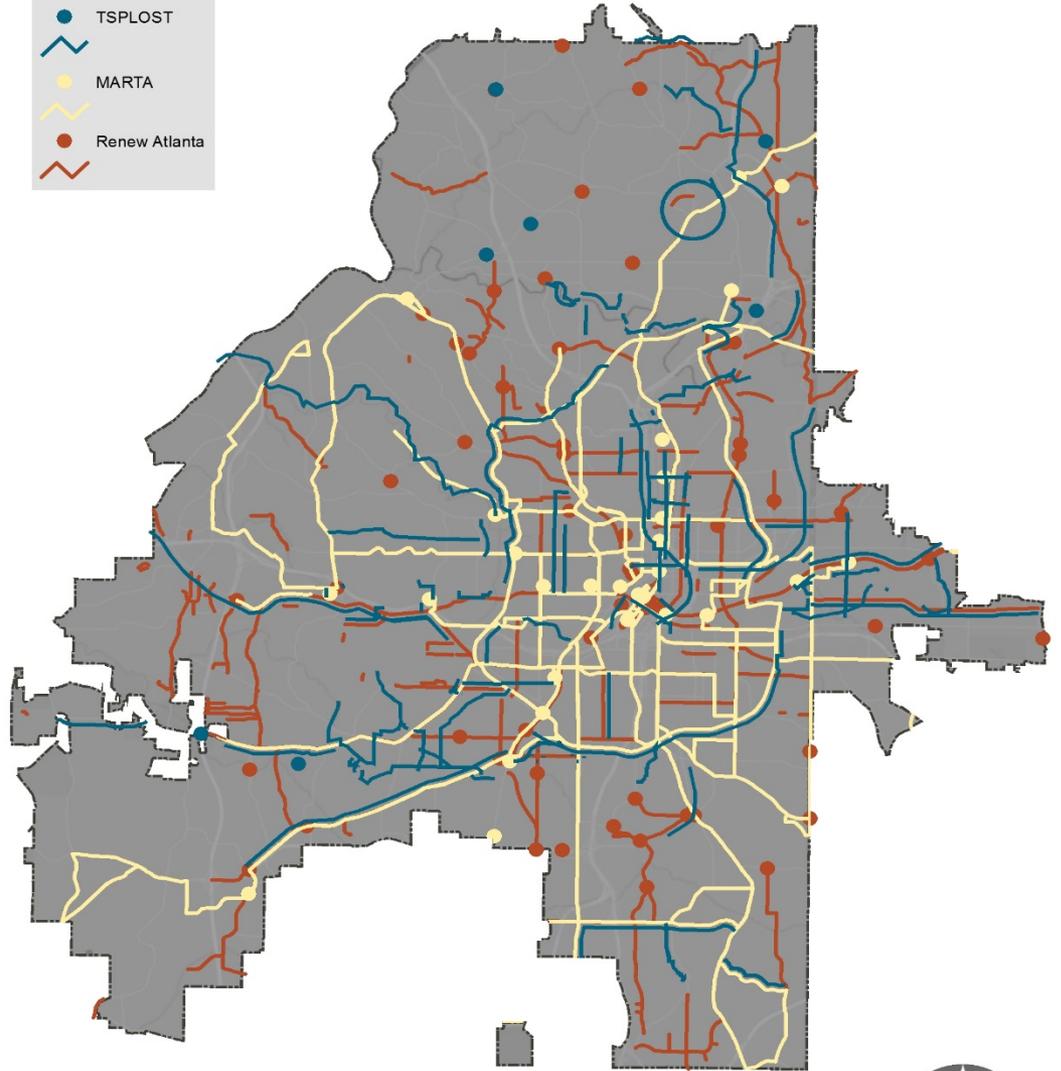




SIGNALIZATION

*A STORY OF
CONNECTIVITY*

Renew Atlanta, MARTA, TSPLOST Projects



QUESTIONS?
COMMENTS?

