

Meeting Minutes

January 19, 2021

2:00 P.M.

Committee Members Present:

Charles W. Oddo, Fayette County BOC
Mayor Gary Laggis, Town of Woolsey
Maurice Ungaro, Town of Brooks Staff
Shayne Robinson, Peachtree City Citizen Representative
Martin Sas, Fayette County Citizen Representative
Phil Mallon, Fayette County Staff
Stanley Merantus, Fayette County Staff

Committee Members Absent:

Lee Hearn, Fayette County BOC
Chris Hindman, City of Fayetteville Staff
Jaimi Tapp, Town of Tyrone Citizen Representative
Sgt. Chris Robison, Fayette County Sheriff's Office

Guests:

William Swanson, Fayette County Intern
Takiyah Christian, Fayette County Staff
Randy Ognio, Citizen

1. Call to Order by Vice Chair Shayne

Mrs. Robinson called the January 19, 2021 Transportation Committee Meeting to order at 2:01pm.

2. Ascertainment of Quorum

Mrs. Robinson acknowledged that a quorum of the Transportation Committee was present with 7 of the 11 members.

Commissioner Oddo informed the Committee that he will be delegating Mr. Ognio as his representative per the Committee's by-laws. He expressed that Mr. Ognio is a great asset to the Committee as he pushed for the creation of the Transportation Committee and provides an invaluable wealth of knowledge. Until further notice, Mr. Ognio will represent and conduct business on behalf of Commissioner Oddo.

3. Acceptance of Meeting Agenda

Mayor Laggis made a motion to accept the meeting agenda. Mr. Ognio seconded the motion. It passes unanimously.

a. Nomination of Chair

Mrs. Robinson nominated Mr. Ognio as Chair. The nomination was seconded by Mr. Ungaro. It passed unanimously.

b. Nomination of Vice Chair

Mayor Laggis nominated Mrs. Robinson as Vice Chair. The nomination was seconded by Mr. Sas. It passed unanimously.

c. Nomination of Secretary

Mr. Mallon nominated Ms. Christian as Secretary. The nomination was seconded by Mrs. Robinson. It passed unanimously.

4. Acceptance of Meeting Schedule for 2021

Mr. Mallon proposed a draft of the meeting schedule for 2021 and addressed potential date changes due to the County's holiday schedule. Mrs. Robinson suggested that we cancel the February 2021 since the date of this meeting is so late in January. Mr. Ungaro suggested the November meeting be moved to November 9, 2021 to avoid conflict with city elections. Mr. Ognio made a motion to accept the meeting schedule with the noted changes for 2021. Mrs. Robinson seconded the motion. It passed unanimously.

5. Review and Approval of the December 1, 2020 Transportation Committee Meeting Minutes

Mrs. Robinson made a motion to accept the December meeting minutes. Mr. Sas seconded the motion. The minutes were approved unanimously.

6. Report of Committee Members / SPLOST updates – no action taken

a. Brooks

Mr. Ungaro expressed his appreciation to the County for speeding tubes places on the HWY 85 Connector. He noted that there was a near-catastrophic accident on HWY 85 Connector at Morgan Mill Rd. Mr. Ungaro noted that the Town of Brooks seeks continued coordination with Fayette County to mitigate safety concerns at the HWY 85 Connector/Morgan Mill Rd intersection. The addition of a radar activated warning signal was suggested.

b. Fayette

Mr. Mallon provided the following information three federal-aid projects:

- PI 0017812 has been assigned to the 3rd federal-aid, multi-jurisdictional resurfacing agreement. The next steps are for a kick-off meeting with GDOT and for Fayette

and the cities/towns to develop an IGA. The scope includes nine road totalling 12.4 miles. PE is authorized for FY 2021. \$224,274.

- PI 0017813 has been assigned to the SR 279 realignment project. The next step is for a kick-off meeting between GDOT and Fayette County and development of a PFA. PE is authorized for FY 2021. PE amount is \$265,029.
- Resurfacing work for first resurfacing project is nearly complete. He is not aware of any issues with the cities. Work for Phase 2 (PI 16083) should be start in the spring.

c. Fayetteville – no report

d. Tyrone – no report

e. Peachtree City

Mrs. Robinson updated the Committee on the progress of the Gateway Bridge project over SR 54. The pedestrian bridge is projected to be complete by the end of the month if the weather permits. The resurfacing is proceeding as scheduled.

f. Woolsey

Mayor Laggis reported that he and Council Member Carden met with Mr. Mallon and Ms. Christian to discuss the ROW plans for the HWY 92 at Hampton Road Roundabout. Mayor Laggis discussed his concerns with the landscaping, stormwater drainage, and increased truck traffic.

g. Others – no report

7. Public Comment – no comments

8. Unfinished Business

a. County SPLOST Update (Mallon) (See attached)

Mr. Mallon provided an update of all SPLOST projects. Mr. Ognio asked the schedule for starting design on the Tyrone Road intersection projects and the realignment of Goza Road with Bernhard. Mr. Mallon said staff plans to start design work in the spring but right now is focused on advancing existing projects before starting additional ones.

b. Truck Data around the Town of Brooks (Merantus) (See attached.)

Mr. Merantus presented the Truck Data recently collected around the Town of Brooks. This was performed in response to a resident complaint at the November Transportation Committee meeting about increased truck traffic on W. McIntosh Road. Fayette County collected traffic data at two locations on Hwy 85 Connector and one location on W. McIntosh Rd to evaluate the complaint. Mr. Merantus concluded that the percent of truck traffic on all three road segments are consistent to what other roads throughout the County experience.

Mr. Ognio presented handouts regarding signage for truck traffic and discussed possible avenues for addressing truck traffic in the unincorporated county. He also noted heavy truck traffic over the McDonough Road bridge. The trucks are hauling earth and/or rock.

c. ARC Regional Connected Vehicle Program (Mallon) (See attached)

Mr. Mallon presented information about the Connected Vehicle Program and potential funding sources for interested local governments. He said the program had little opportunity for the unincorporated County but may be a fit for Peachtree City or Fayetteville. Mr. Mallon said David Borkowski, PTC City Engineer, has been in contact with ARC about the program.

d. GDOT Concept Team Meeting for Widening of SR 85 (Mallon)

In December 2020 Mr. Mallon attended the GDOT Concept Team meeting for the SR 85 widening project. He provided a summary to the Transportation Committee from the bullet points listed below. Two potential action items are: 1) for Fayetteville to provide input on the extent that golf carts should, or should not, be incorporated into the project design; and 2) a suggestion for Fayette County and Fayetteville to both support the inclusion of the shopping plaza and business entrances on Ramah Road and SR 92 when evaluating the intersection of SR 85, SR 92, and Ramah Road.

GDOT Project Manager: Shanda Caldwell 470-591-5484

The project is 1.2 miles in length and has urban features (e.g., grocery stores)

The Consultant is STV Incorporated

Project is now 100% state funding, which provided flexibility on limits

Justification: AADT of 12,250 in 2011. LOS D

Project originally a 12-mile corridor to SR 16

Build AADT = 14,575 (2023)

Design AADT = 24,500 (2043) LOS E with no-build

Truck volume 24 hour = 7%

Updated traffic data will be collected.

Existing conditions: project has a 6'x4' culvert in north end of project

The project includes two signalized intersections, three non-signalized

An Intersection Control Evaluation (ICE) will be completed for all five intersections and the major shopping center driveways

Proposed Roadway Conditions:

- Four 11-ft thru lanes
- 5-ft sidewalks
- 20-ft raise median
- Open ditch to closed pipe system
- Right turn lanes and left turn lanes to be added, per ICE analysis

- Traffic signal optimization

ROW existing 130-150 ft; proposed 160-280 ft.

No displacements, 32 parcels impacted, many driveway easements

MS4 to be satisfied/met

Ecology – 3 detention ponds and 1 intermittent stream

Stakeholders – shopping center owners, in addition to Kroger and Publix; BOC, BOE and Fayetteville

Cost Estimate: CST \$7,687,171; ROW \$2,198,000; UTL \$716,875

No coordination has been done with Publix or Kroger to-date about proposed R-CUT

Even with 100% state funding, the US CORPS may have comments regarding logical termini

GDOT plans to start public input / PIOH prior to preliminary design.

Following the presentation there was agreement from the Committee that the ICE for the SR 85, 92 and Ramah Road intersection should include the adjacent commercial driveways.

9. Adjournment

The meeting adjourned at 3:23 PM. Mrs. Robinson made a motion to adjourn. The motion was seconded by Mr. Ungaro and it passed unanimously.

No.	Program	Category	Project Name	Finance Code	Concept	Design	ROW	Procure.	Utilities	Constr.
1	GDOT	Bridge	SR 85 @ Whitewater Creek Bridge Replacement	013734						
2	GDOT 2017 SPLOST	Bridge	Ebenezer Church @ Whitewater Creek Bridge Replacement (0008598)	17TAA						
3	GDOT 2004 T-SPLOST	Bridge	Coastline Road Bridge Replacement (0015647)	B-1						
4	2004 T-SPLOST	Bridge	EFB Bridge @ Morning Creek	R-8C						
5	GDOT	Intersection	SR 74 & I-85 Interchange (Fulton Co.)	07841						
7	2017 SPLOST	Intersection	Redwine, Bernhard & Peachtree Pkwy Roundabout	17TAL						
8	2017 SPLOST	Intersection	Brogdon & New Hope Roundabout	17TAM						
9	2017 SPLOST	Intersection	Ebenezer Church, Ebenezer & Spear	17TAN						
11	2004 T-SPLOST Peachtree City	Intersection	Peachtree Parkway @ Crosstown Drive	I-16						
12	2004 T-SPLOST	Intersection	Sandy Creek, Sams Drive & Eastin Rd Roundabout	I-2						
13	2004 T-SPLOST	Intersection	SR 85 (North of Bernhard)	R-19						
14	2004 T-SPLOST	Intersection	SR 85 (South of Bernhard)	R-20						
15	2004 T-SPLOST	Intersection	Hampton Road(s) & SR 92	R-21						
17	2004 T-SPLOST	Intersection	County Line, Inman, S. Jeff Davis & N. Bridge Road Roundabout	R-8A						
18	2017 SPLOST	Maintenance	Resurfacing - FY 2019 federal-aid (0016058)	19TAF			na		na	
19	2017 SPLOST	Maintenance	Resurfacing - FY 2020 federal-aid (0016083)	19TAG			na		na	
20	2004 T-SPLOST	New Capacity	EFB Roadway and Intersections	R-8B						
22	2004 T-SPLOST Fayetteville	Operations / Safety	SR 85 Medians Phase 1 & 2 (SR 54 to SR 314)	R-13						
23	2004 T-SPLOST	Operations / Safety	Goza Road Realignment at Bernhard Rd	R-23						
25	Fayetteville	Path	Pedestrian Bridge over SR 54 at Hospital	12878						
26	2017 SPLOST	Path	Redwine Rd Path Project (0012624)	17TAH						
27	2017 SPLOST	Path	Starrs Mill Tunnel & Path (at Robinson Road)	17TAI						

	Phase activity is complete	Phase activity about to start (e.g., procurement for CST)	
	Phase activity substantially underway	Phase not applicable	na

Truck Data around the Town of Brooks



Stanley W. Merantus, Transportation Engineer
January 19, 2021

Resident Service Request

REQUEST

Mr. Barton Hancock of 506 W McIntosh Road attended the November 10th, 2020 Transportation Committee meeting to inform the County of the increase of truck traffic he and his family have observed on W McIntosh Road.

Mr. Hancock provided the County with a copy of truck traffic data that he has gained.

Traffic Data



Hwy 85 Conn approx 340' north of Woods Rd



Hwy 85 Conn approx 575' south of Gable Rd



W McIntosh Rd approx 435' east of Gable Rd



FHWA Vehicle Classifications

1. Motorcycles
2 axles, 2 or 3 tires



2. Passenger Cars
2 axles, can have 1- or 2-axle trailers



3. Pickups, Panels, Vans
2 axles, 4-tire single units
Can have 1 or 2 axle trailers



4. Buses
2 or 3 axles, full length



5. Single Unit 2-Axle Trucks
2 axles, 6 tires (dual rear tires), single-unit



6. Single Unit 3-Axle Trucks
3 axles, single unit



7. Single Unit 4 or More-Axle Trucks
4 or more axles, single unit



8. Single Trailer 3- or 4-Axle Trucks
3 or 4 axles, single trailer



9. Single Trailer 5-Axle Trucks
5 axles, single trailer



10. Single Trailer 6 or More-Axle Trucks
6 or more axles, single trailer



11. Multi-Trailer 5 or Less-Axle Trucks
5 or less axles, multiple trailers



13. Multi-Trailer 7 or More-Axle Trucks
7 or more axles, multiple trailers



12. Multi-Trailer 6-Axle Trucks
6 axles, multiple trailers



	Hwy 85 Conn N		Hwy 85 Conn S		W McIntosh Rd	
Direction	N	S	N	S	E	W
ADT (vpd)	2439	2460	1213	1177	1002	1012
Posted Speed (mph)	35		35		25	
85 th Percentile (mph)	50.3	48.2	41.8	44.3	49.8	46.4
CL 5 (single unit 2-axle)	80	49	33	49	70	19
CL 6 (single unit 3-axle)	18	6	5	7	8	1
CL 7 (single unit 4-axle)	0	0	0	0	11	0
CL 8 (single unit 3 or 4-axle)	3	1	0	1	0	0
CL 9 (single trailer 5-axle)	6	5	1	4	5	6
CL 10 (single trailer 6 or more-axle)	0	0	0	0	0	0
CL 11 (multi-trailer 5 or less-axle)	0	0	0	0	0	0
CL 12 (multi-trailer 6-axle)	0	0	0	0	0	0
CL 13 (multi-trailer 7 or more-axle)	0	0	0	0	0	0
Total Truck (vpd)	168		100		120	
T (%)	5		4		6	

Conclusion

CONCLUSION

Hwy 85 Conn N experiences approximately 4,899 vehicles per day, which 168 are trucks and therefore equating to 5% truck traffic. Hwy 85 Conn S experiences approximately 2,390 vehicles per day, which 100 are trucks and therefore equating to 4% truck traffic. W McIntosh Road experiences approximately 2014 vehicles per day, which 120 are trucks and therefore equating to 6% truck traffic. The percent of truck traffic on all three road segments are consistent to what other roads throughout the County experiences.



Regional Connected Vehicle Program Update (CV1K)



Source: USDOT

December 11, 2020
TCC

Concept

- Implement connected vehicle technologies operating in the 5.9 GHz safety spectrum at traffic signal intersections
 - DSRC (Dedicated Short Range Communications)
 - C-V2X (Cellular Vehicle-to-Everything)
- Pursue applications that improve safety and mobility, such as emergency vehicle preemption and transit signal priority
- Multi-year regional implementation, with initial phase beginning in FY 2020



Advances in Technology - Including 5G Networks - and Upcoming Vehicle Manufacturer Decisions Provide Opportunities to Improve Travel and Safety

OUR CONNECTIVITY COMMITMENT

FierceWireless
Ford overhauls mobility business, promises 90% connectivity globally by 2020

by Mike Dano | Jan 26, 2018 11:48am



Importantly, in its wireless efforts, Ford reiterated that it "will deliver on the company's commitment of 100 percent connectivity of new vehicles in the United States by 2019 and push toward its goal of 90 percent connectivity globally by 2020."



Photographer: Jeff Kowalsky/Bloomberg

Hyperdrive

Ford Breaks With GM, Toyota on Future of Talking-Car Technology

By Keith Naughton

January 7, 2019, 8:00 AM EST

- ▶ Automaker will outfit all U.S. models with C-V2X from 2022
- ▶ Could improve safety, ease gridlock, enable drive-thru autopay

Emergency Vehicle Preemption



Gives signal preemption to emergency vehicles, allowing vehicles to respond more quickly and safely.

Equipping emergency responder vehicles and signals in the Atlanta region with the necessary radios and sensors will provide the capacity to save lives.

Transit Signal Priority



Gives signal priority to transit vehicles approaching a signalized intersection, taking into consideration the vehicle's location and schedule.

Due to congestion, many transit routes in the Atlanta region struggle to maintain on-time performance.

Equipping transit vehicles and signals with the necessary radios and sensors will provide the capacity to improve on-time performance, with the goal to increase transit use and improve regional air quality.

Pedestrian in Signalized Crosswalk



Warns drivers when a pedestrian is crossing the street as the vehicle is making a right or left turn.

Get Involved

- Any interested jurisdiction can participate
- 1,000 intersection goal
- TSMO Subcommittee
 - track and monitor local and regional impact of the deployment
 - provide guidance on future funding and desired outcomes of the technology





ARC CV Project Update

December 11, 2020



GDOT Connected Vehicles

A Brief Timeline

2017: AASHTO SPaT Challenge

- 54 Intersection Pilot
- Systems Engineering
- First deployment live June 2018
- Traffic signal based application demonstration

2018: Regional Operations Expansion

- Not just a pilot: a programmatic deployment to equip infrastructure across the region
- Target of 1,600 intersection in the metro Atlanta region
- Expanded application implementation to first responder and transit vehicle priority/preemption

2019: USDOT ATCMTD

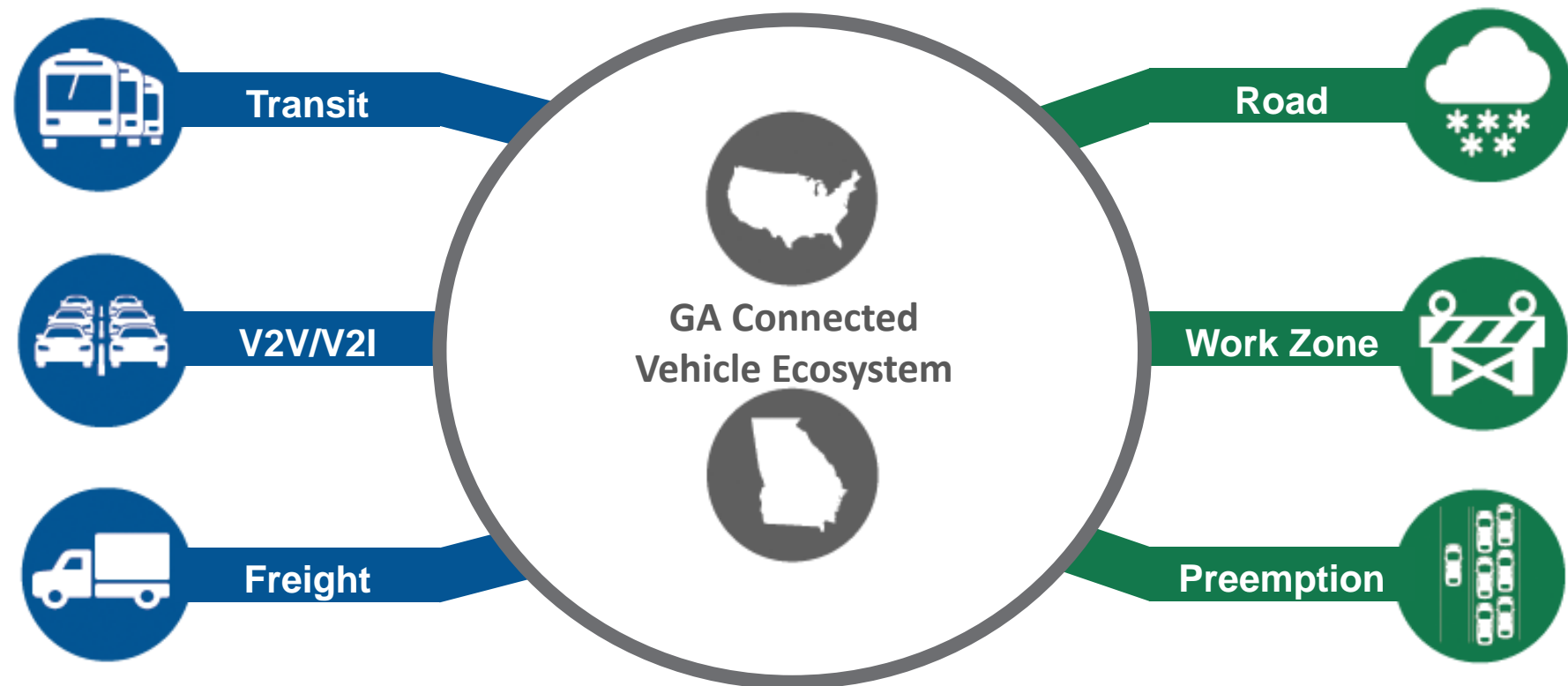
- Added funding to expand regional deployment
- Federal partnership for continued infrastructure build-out

2020: Atlanta Regional Commission (ARC) Partnership

- Local participation for additional infrastructure deployment
- Additional 1,000+ intersections across the metro Atlanta region
- Public sector fleet vehicle application focus

Georgia Connected Vehicle Ecosystem

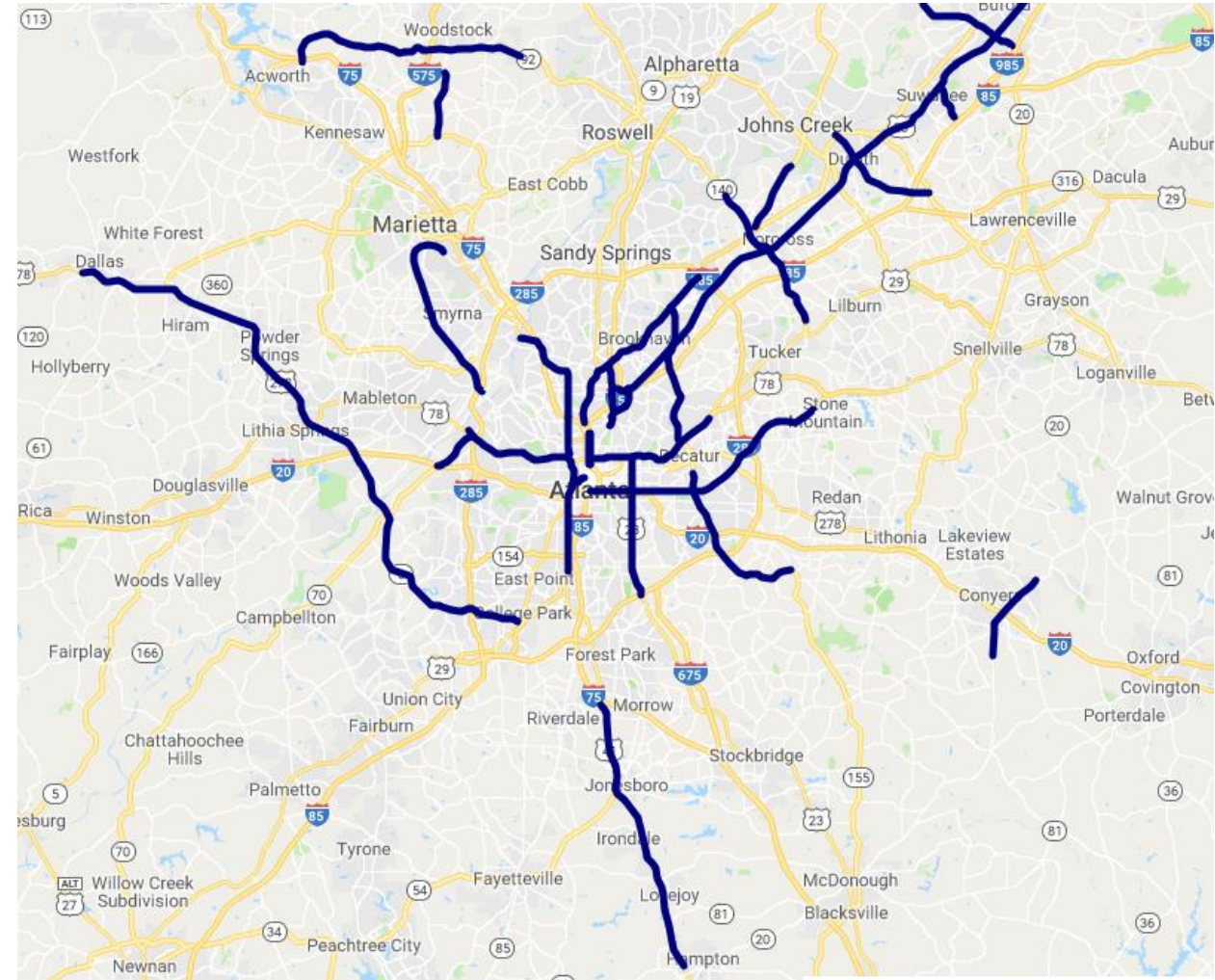
- Enabling infrastructure for broad applications
- Designed around interoperability
- GDOT funded and supported
- Conformity to national standards
- Open access through 5.9 GHz Safety Spectrum



GDOT Connected Vehicles

Current Deployments

- **As of 12/10/2020:**
 - 565 RSUs licensed and installed
 - DSRC - all channels and ch.180 only
 - DSRC + C-V2X – 6 locations (The Ray Highway)
 - 454 DSRC RSUs being installed and licensed now
 - Future deployments will be DSRC + C-V2X
- **Active Pilot Applications:**
 - Emergency Vehicle Preemption Pilot: Gwinnett County
 - Transit Signal Priority Pilot: Midtown Atlanta with State Rail and Tollway Authority (SRTA) and Cisco/MARTA
 - In-progress: freight-centered pilots with Georgia Ports Authority in Savannah, GA
 - Incident Responder interchange preemption: Metro Atlanta



GDOT Connected Vehicles

RTOP – March 2021

GDOT Investment + USDOT ATCMTD Grant

- 1,600 traffic signals in metro Atlanta
- **Regional deployment - Not a pilot program: a deliberate inter-agency deployment across the entire metro Atlanta region**

MOBILITY APPLICATIONS

Emergency vehicle
preemption



Preemption at select signals to
improve emergency vehicle
response time

Transit signal priority

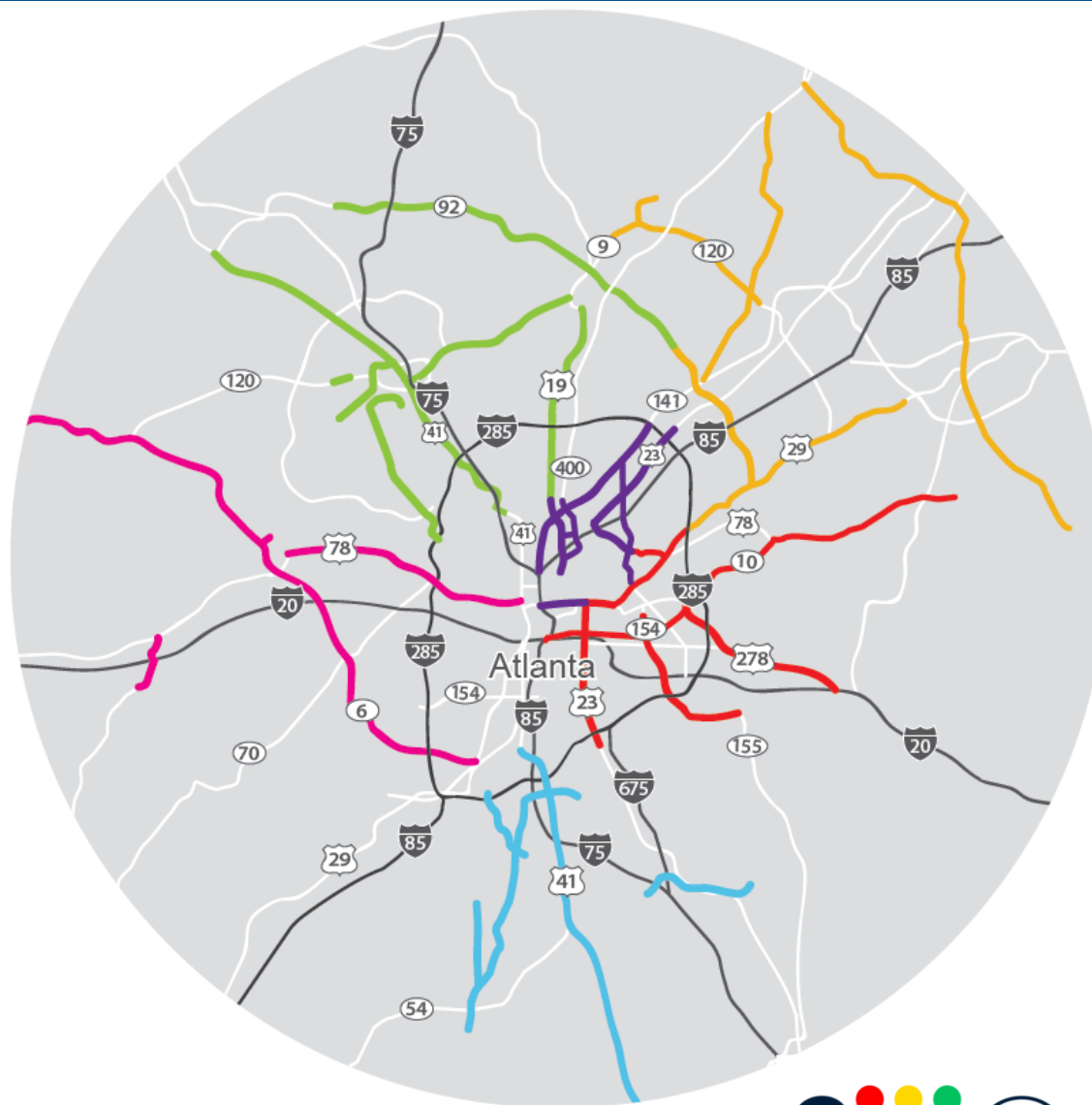


Priority requests to signal
controllers for specific transit
applications and routes

Freight signal priority



Signal priority for freight vehicles
that are operating in cooperative
platooning mode



Regional Connected Vehicles

ARC + Local Governments + GDOT Partnership

- Regional deployment of connected vehicle infrastructure operating in the 5.9 GHz Safety Spectrum
 - DRSC + C-V2X
- Will improve safety and mobility of the transportation system
- Multi-phase, multi-year program targeting 1,000 intersections
- Interoperability with GDOT and national deployments



Regional Connected Vehicles

Project Team, Status, and Current Partners

- Atkins team introduction
- Current Partners
 - Johns Creek
 - Cobb County
 - South Fulton
 - Hapeville



Regional Connected Vehicles

Project Overview

- Project Kick-off
- Device Procurement
- Field Surveys
- FCC Licensing
- Device Configuration
- MAP Message Creation
- Device Deployment
- Validation and Testing



Source: <https://www.its.dot.gov/infographs/index.htm> (edited)

Regional Connected Vehicles

Sample Schedule – 100 Intersection Agency

- 10 Month deployment: NTP to Final Acceptance

Turn Key Deployment in Local Jurisdictions		11-Jan-21	17-Dec-21
A1030	Device Procurement	11-Jan-21	28-May-21
A1040	FCC Licensing	11-Jan-21	10-Aug-21
A1050	Device Testing & Configuration	01-Jun-21	17-Nov-21
A1060	Map Message Creation	11-Jan-21	14-May-21
A1070	Device Deployment	22-Jun-21	03-Nov-21
A1080	Validation & Testing	04-Nov-21	17-Dec-21

- Implications for connected vehicles
- Implications for this project



The 5.9 GHz
band

