



## Regionalization Efforts

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# Overview

## Regional Connected Vehicle Initiatives

- Inclusion in Regional TSMO Plan
- Direct engagements with Local governments through regional framework

## Joint Agency Data Acquisition Group

- Initiated through Regional TSMO Plan
- Multi Party working group
- Identify efficiencies and savings in Data Acquisition/Utilization across agencies

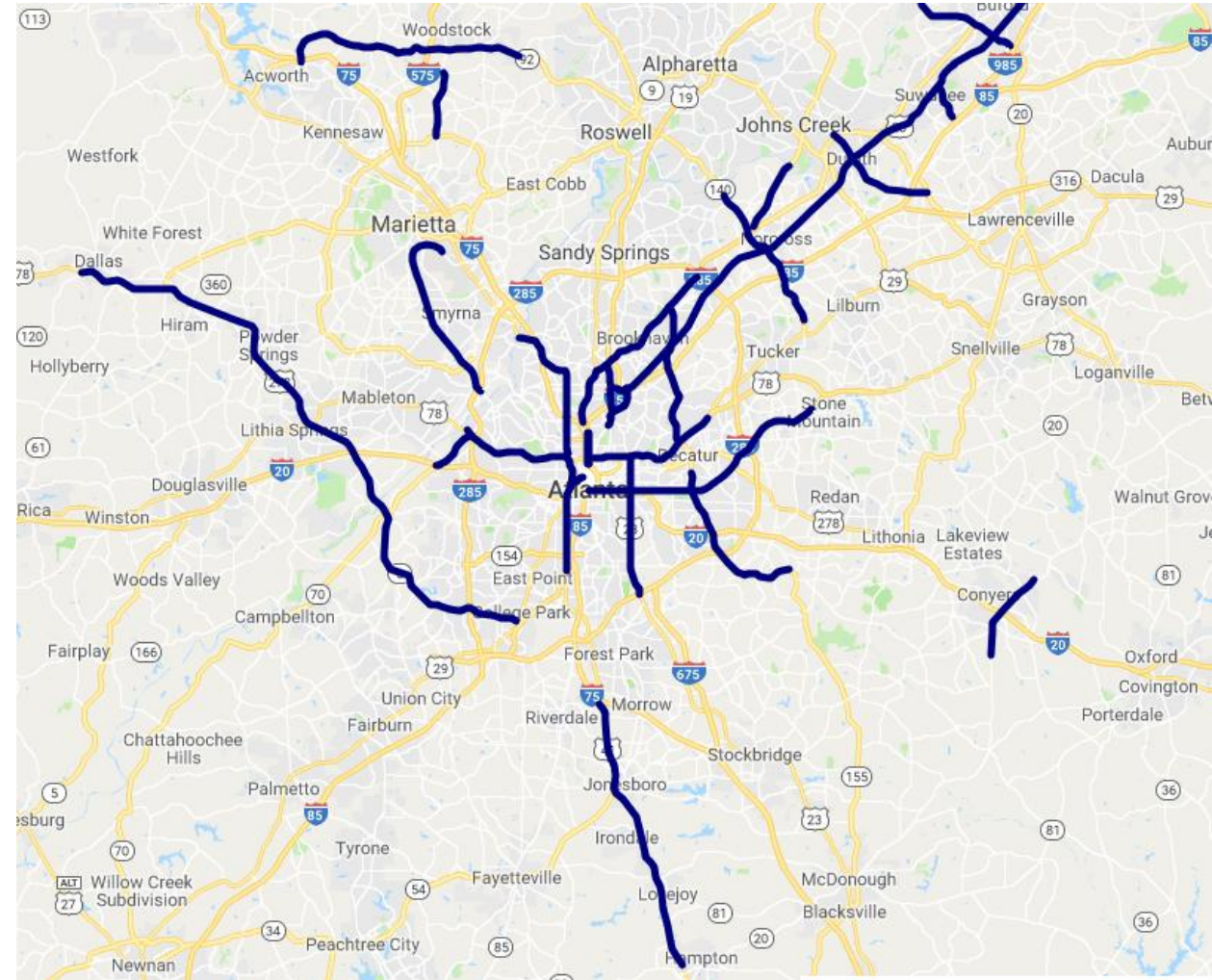




# GDOT Connected Vehicles

## Connecting the Metro Atlanta Region

- As of 2/5/2021:
  - 654 locations licensed and installed to date through GDOT SigOps program
  - 722 proposed locations through ARC partnership program
- Active Efforts:
  - Empowering Transit: ATL Transit Priority
  - Moving Freight: GPA pilot for ingress/egress
  - Improving Emergency Response: Preemption for first responders
  - Working with Locals: ARC and Locally driven regional program



# GDOT Connected Vehicles

## Working with Locals

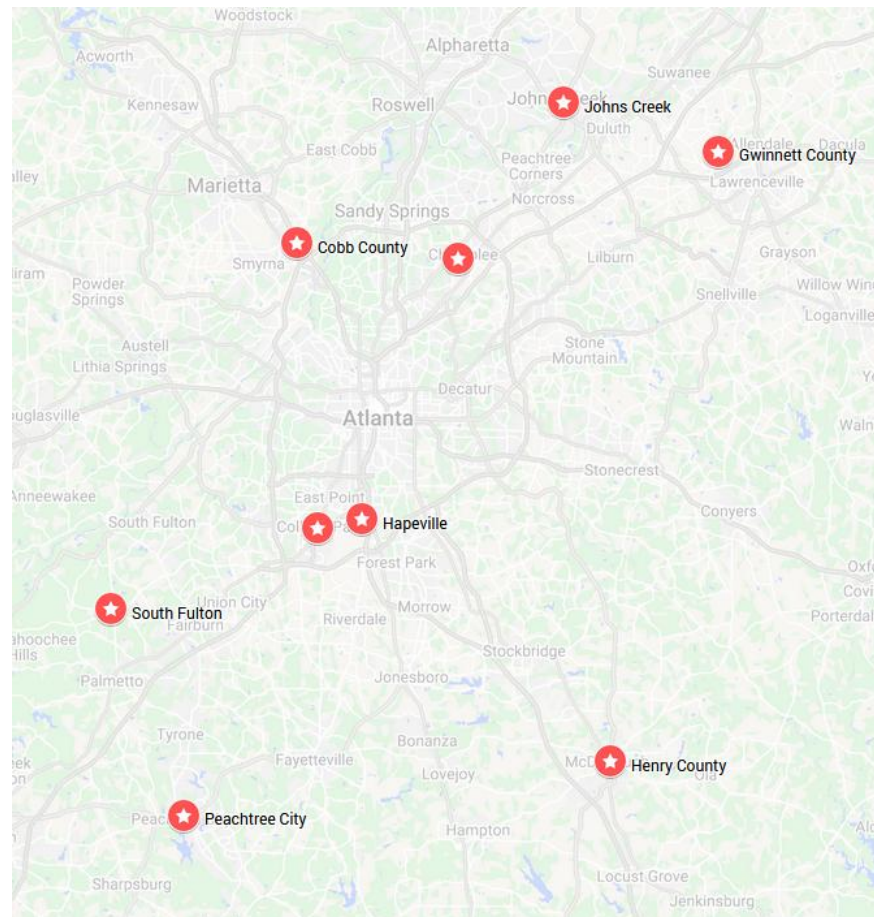
Locally driven regional deployment of connected vehicle infrastructure

Partnership between GDOT, ARC, and locals

Multi-phase, multi-year program targeting 1,000 intersections

722 proposed intersections as of 2/26/2021

- Designed for improving mobility and safety for locally needed use cases



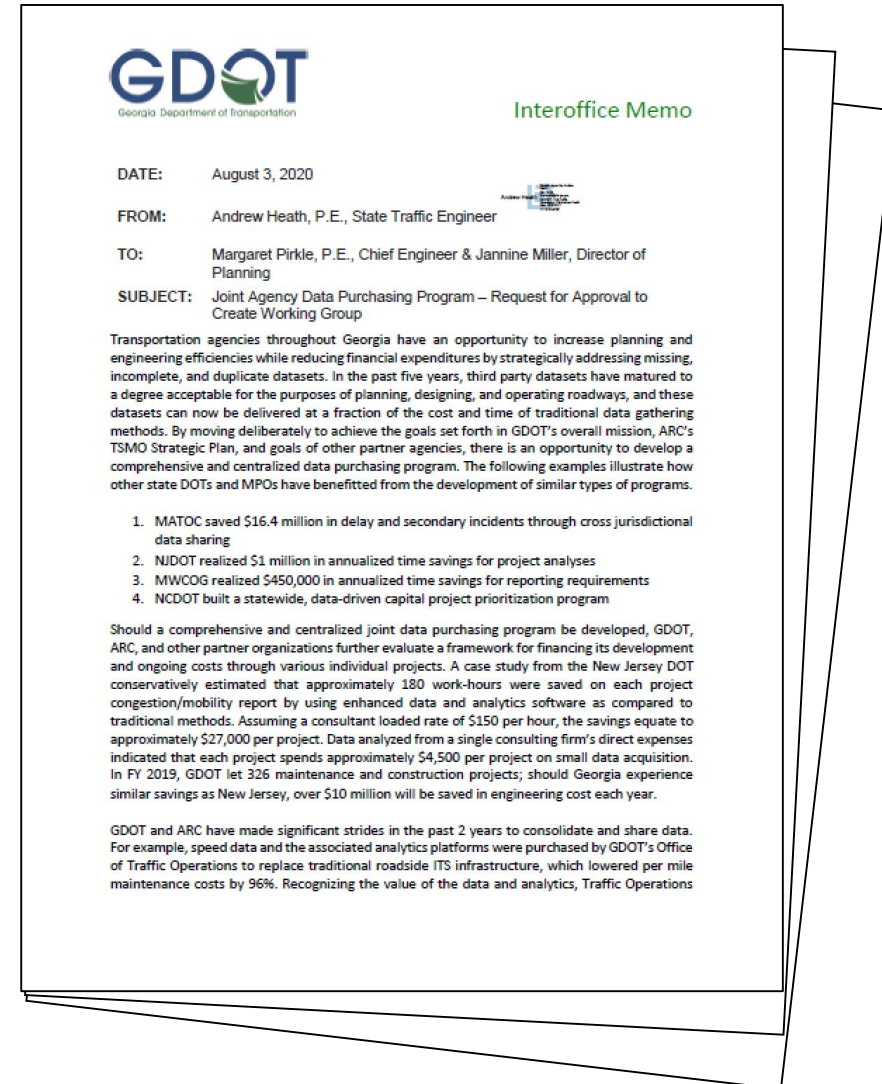


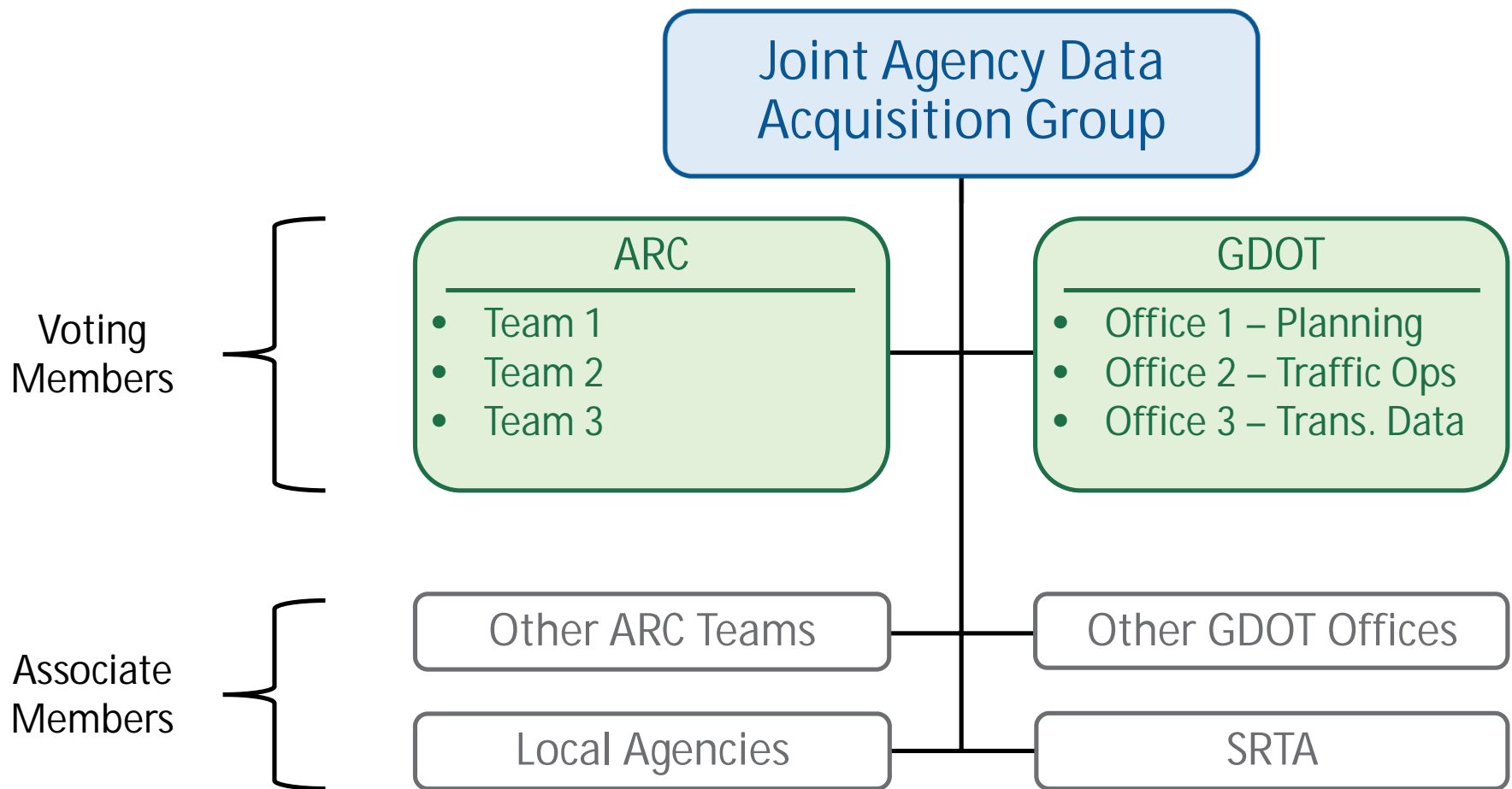
## Find Synergistic Opportunities to:

1. Lower costs
2. Enhance data analytics capabilities
3. Eliminate unnecessary duplication

## Responsible for:

1. Developing an interagency program charter
2. Identifying a funding plan
3. Developing guidelines and/or policy recommendations for data acquisitions





Offering	GDOT Planning	GDOT OTD	GDOT Ops	GDOT Safety	GDOT DP	ARC	SRTA
Detailed Intersection Data	Need	Need	Want	Need	Need	Need	Want
Lane Attributes	Need	Current (enhancement desired)	Want	Need	Need	Need	Need
Road curvature, elevation, roughness	Need	Current (enhancement desired)	Need	Need	Need	Need	Want
Truck specific routing and restrictions	Need	Need	Want	Need	Want	Need	Need
Pedestrian specific routing and restrictions	Need	Need	Want	Need	Want	Need	Need
Detailed Road Attributes	Need	Current (enhancement desired)	Want	Need	Need	Need	Need
Signs, Signals and Warnings	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)
On-Street Parking	Need	Need	Need	Need	Need	Need	Need
Bicycle specific routing and restrictions	Need	Want	Want	Need	Want	Need	Need
Basic Road Attributes	Need	Current (enhancement desired)	Want	Current (enhancement desired)	Need	Current (enhancement desired)	Need
Roadway Speed Limit	Need	Current (enhancement desired)	Need	Current (enhancement desired)	Current (enhancement desired)	Need	Need
Dangerous Slow Down API	Need	Need	Need	Need	Need	Need	Need
Historic Parking	Need	Want	Need	Need	Need	Need	Need
Traffic Volume Estimates	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)	Current (enhancement desired)
Places, Fuel stations, EV Charging Points	Need	Need	Need	Need	Need	Need	Need
DTM	Need	Want	Need	Want	Need	Current (enhancement desired)	Need
LiDar and Panormaix	Need	Need	Want	Want	Need	Current (enhancement desired)	Want
Environmental Zones	Need	Need	Need	Need	Need	Current (enhancement desired)	Need
Vehicle Regulations	Need	Need	Want	Want	Need	Current (enhancement desired)	Need
Historic Trip (OD) data	Need	Want	Want	Need	Want	Current (enhancement desired)	Current (enhancement desired)
Real time Parking	Need	Need	Need	Need	Need	Need	Need

	Current (enhancement desired)		Need		Want
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