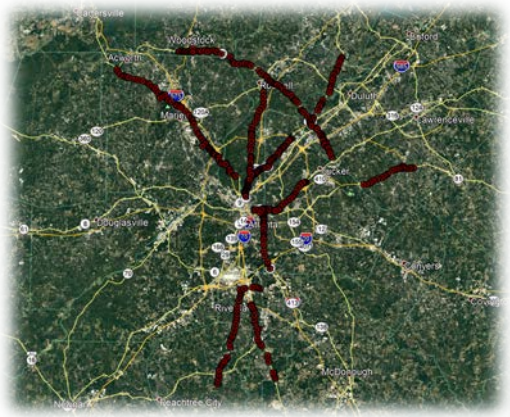
GDOT Georgia Department of Transportation

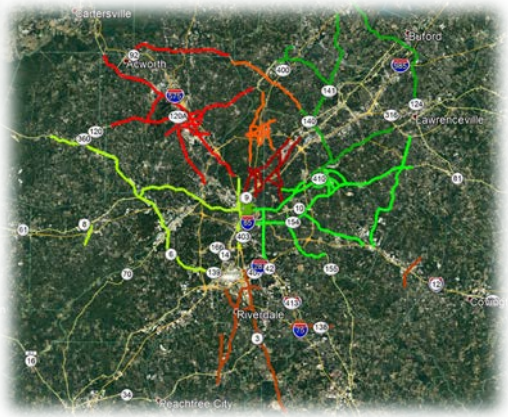
Kimley»Horn

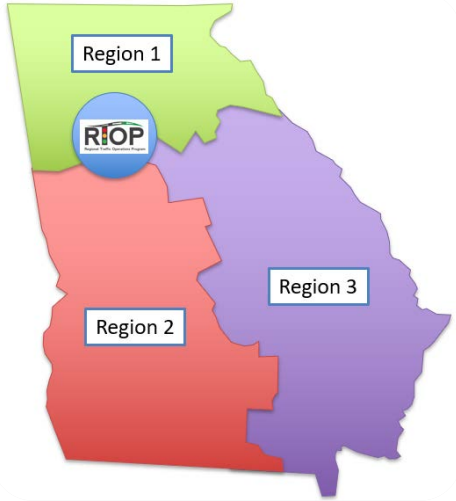
*"GDOT's SigOps Traffic Signal Operations Program…Growth and Success through Collaboration and Innovation"*

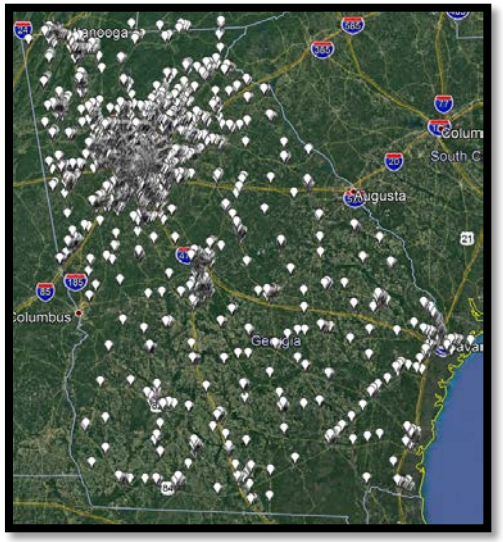
# A Decade of Active Management Signal Operations in Georgia:

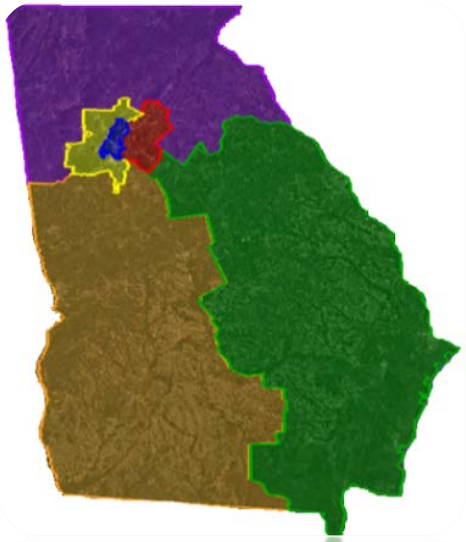
**2011** **2015** **2017** **2019** **2021**



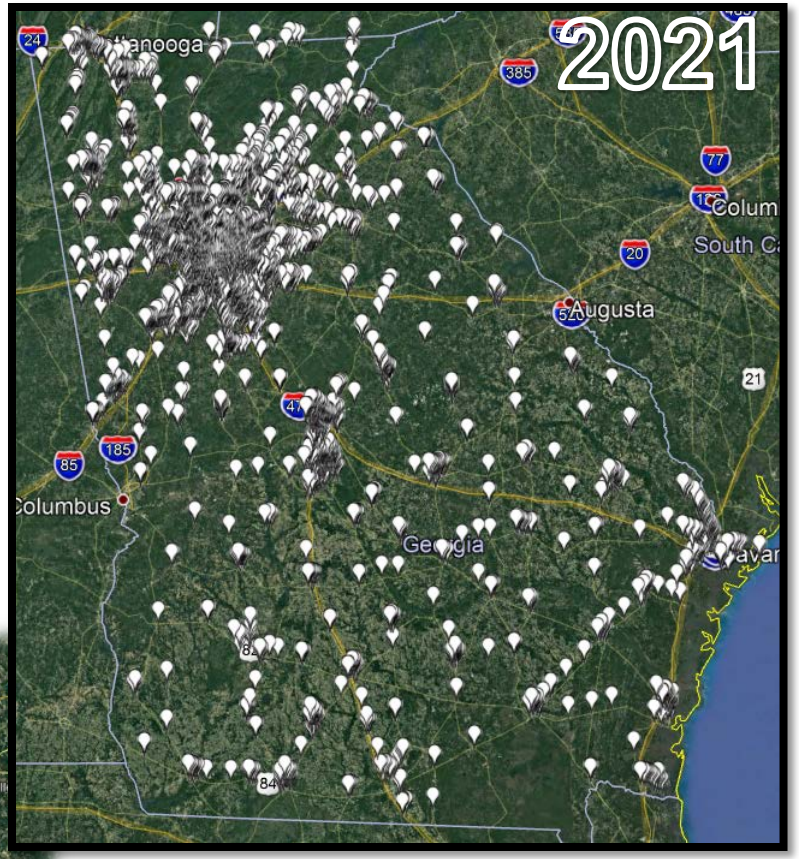


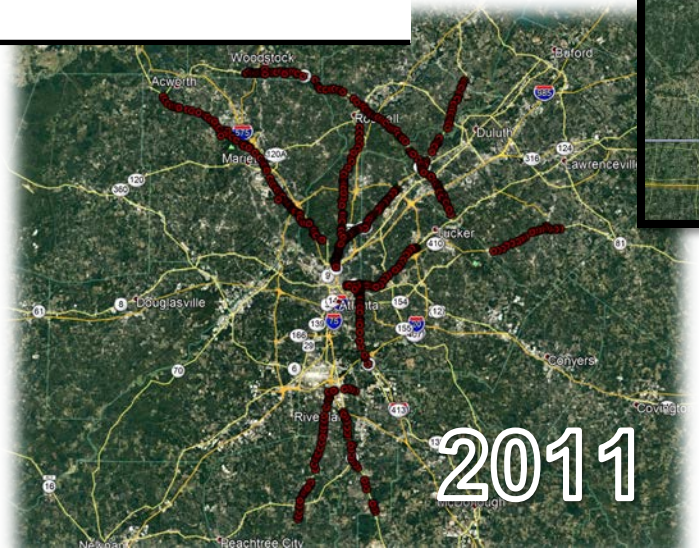


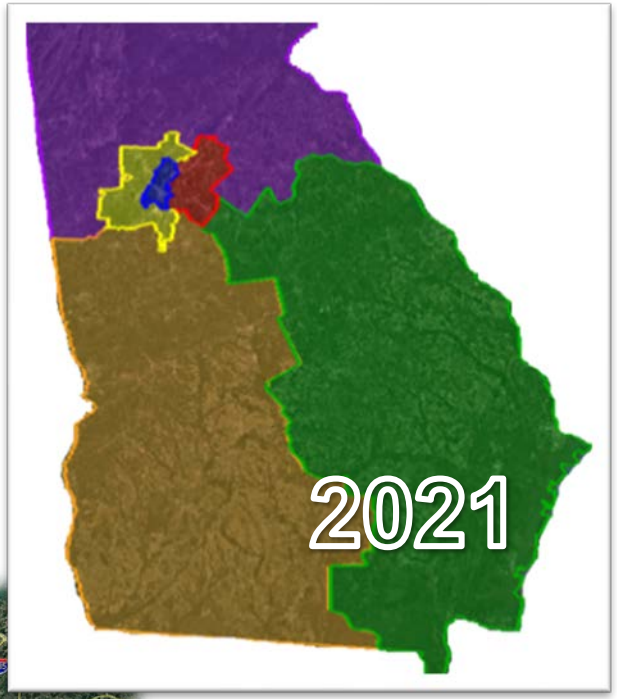


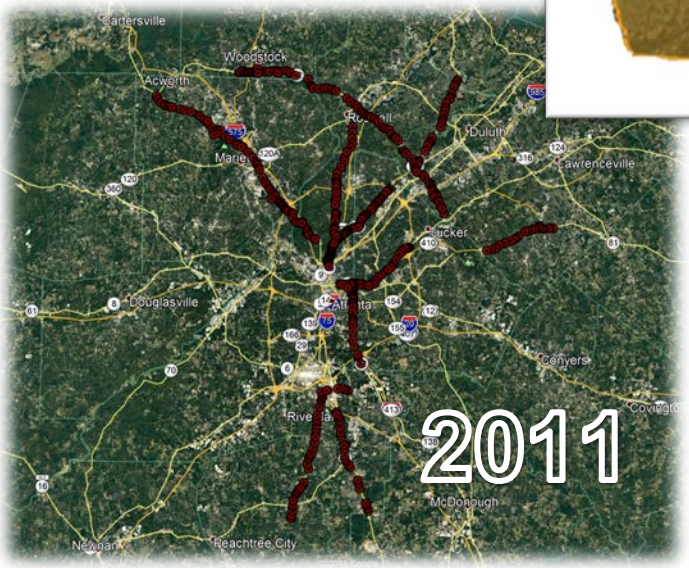
| Scale: | 2011 → 2021 | |
|---|---|---|
| Actively Managed Intersections | 396 | 8000+ |
| Consultant Teams under Contract | 1 | 8 |
| Dedicated Funding | $8 million | $30 million |
| Boundaries | Metro Atlanta | Statewide |



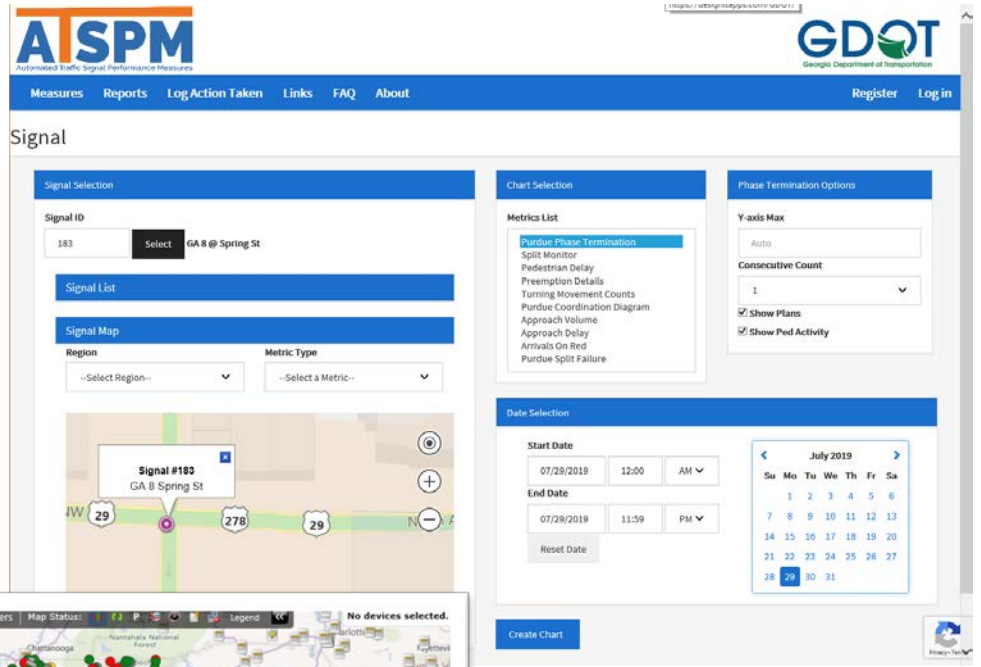
| Approach/Vision: | 2010 → | 2021 |
|---|---|---|
| Model | Corridor Based | Region Based |
| Priority/Mission Statement | Increase travel throughput | Proactive management |
| Monitoring | Field | Central & Remote |

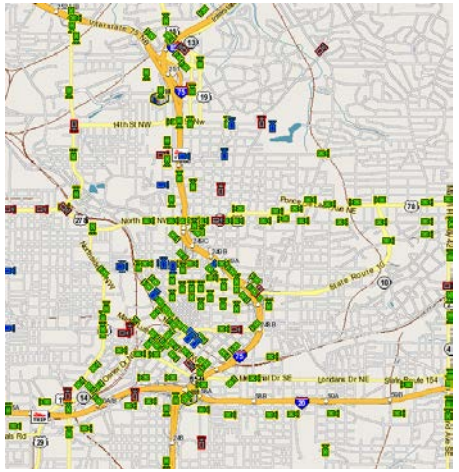


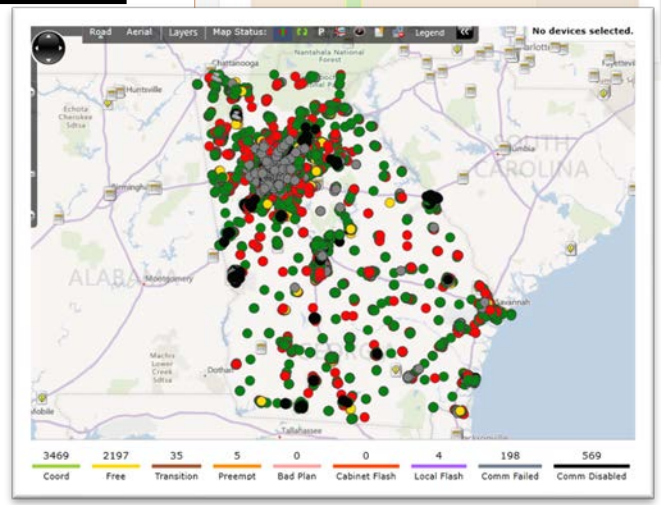



SigOps Powered by GDOT

| Technology | 2010 | 2021 |
|---|---|---|
| Communication to Central Server | 0 | 6700 |
| Arterial Traffic Monitoring Cameras | 0 | 1000+ |
| High Resolution Controller Data | 0 | 7000+ |
| Performance Metrics | Travel Runs | ATSPM |

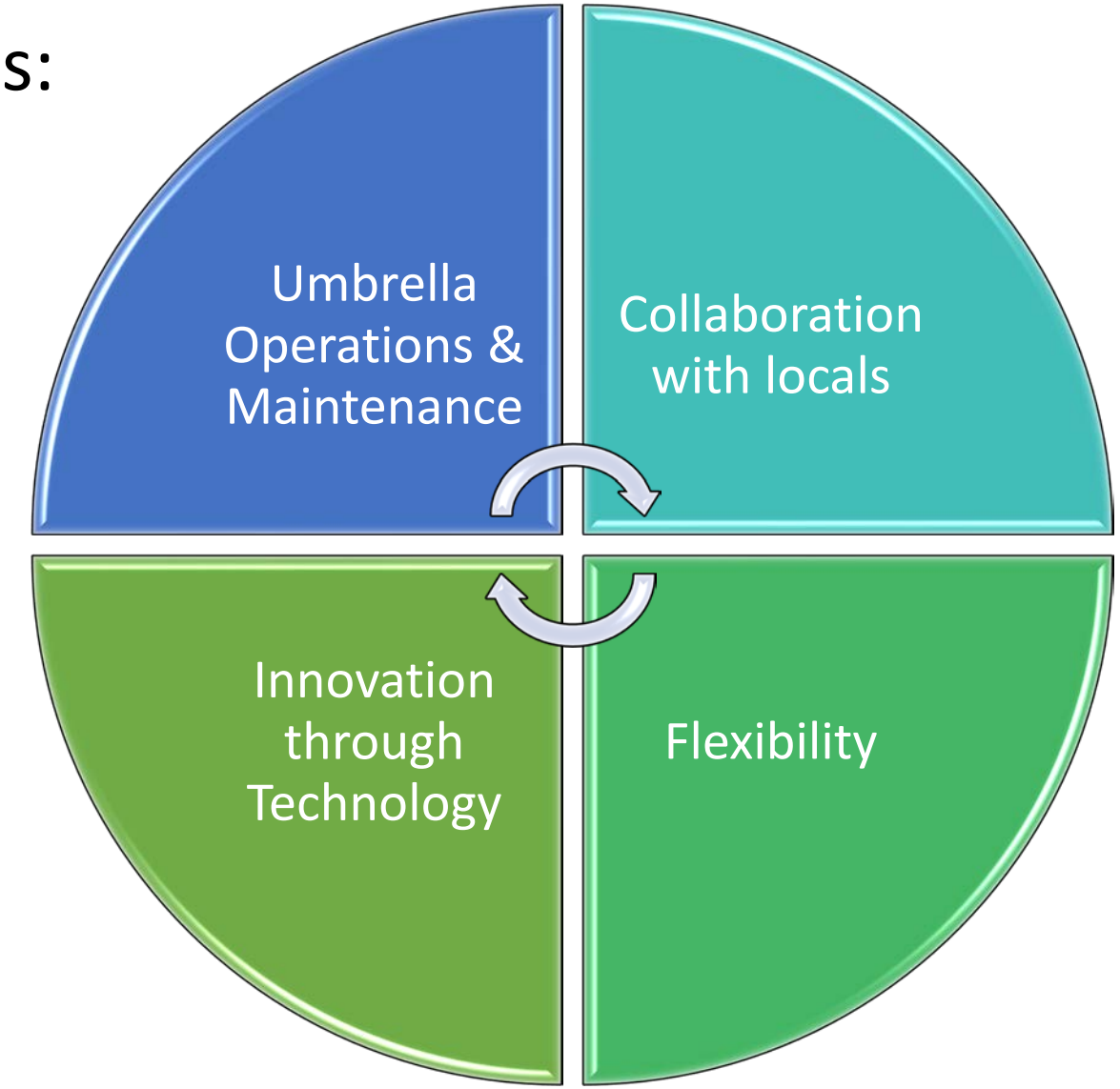





SigOps
Powered by GDOT

# Keys to Success:



# Robust Maintenance Program:

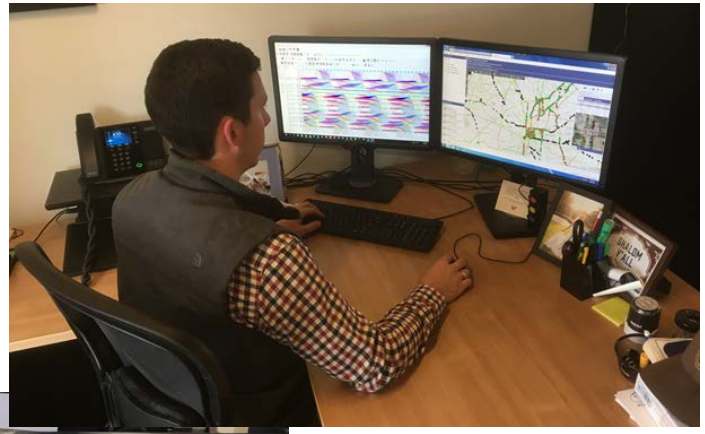
- Menu of Services Contract
- On-Call Requests (OCR)
- Quick Response OCRs
- Partnering with Locals
- Dedicated Maintenance Staff
- Specialty Skill Sets Developed

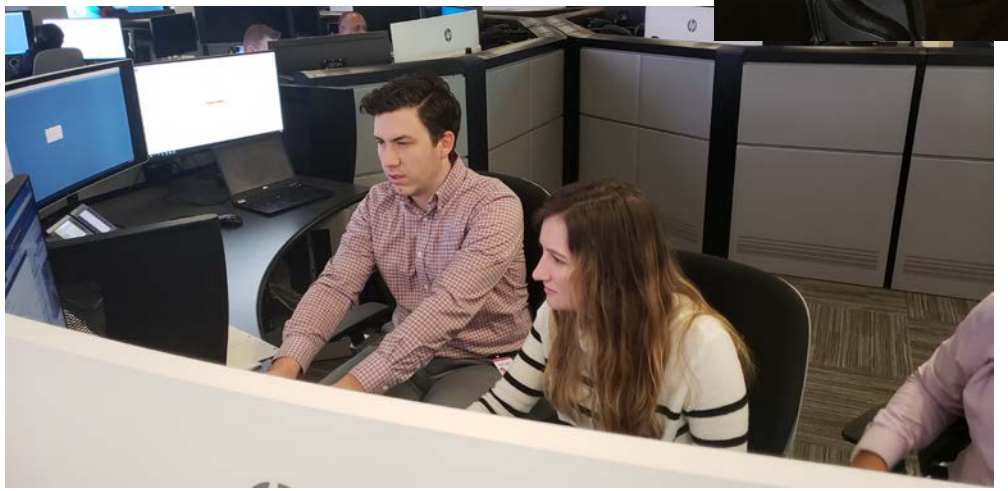
# Collaboration is key:

- Partnerships with locals
- Local MOUs….building the trust
- Leveraging maintenance money
- Working together during event and emergency management
- Coordination with construction offices
- Coordination between all SigOps contracts
- Coordination between other GDOT programs

# Allow for Flexibility:

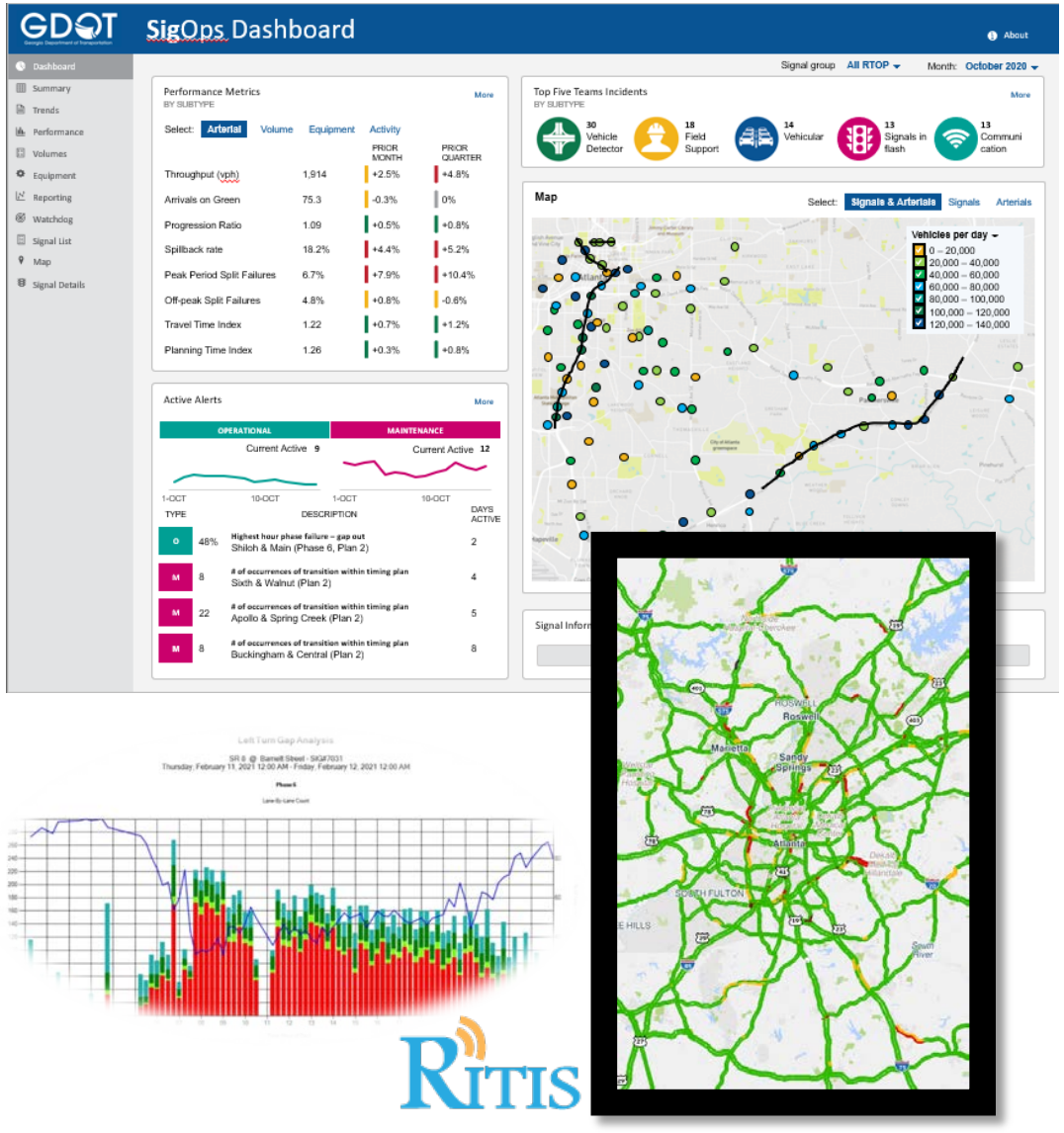
- Contract
- Program
- Local Jurisdictions
- Consultant team structure
- Internal GDOT staff organization





# Innovation leads to Innovation:

- Dashboard to manage big data: SigOps Metrics
- Utilizing additional data sources
- Evaluation of data sources to develop new specific metrics
- Utilizing new metrics to predict issues and better utilize staff and funds
- Development of advanced skill sets in the workforce both in public and private sectors



# Workforce Development

- Training
- Knowledge Sharing
- Collaboration