

REVAMP



Partners

GDOT, Office of Transportation Data

Eric Conklin, State Transportation Data Administrator (REVAMP Sponsor)

Paul Tanner, REVAMP Liaison

Carl Vinson Institute of Government (UGA)

Lawton Brantley

Assistant Director of ITOS

Georgia Association of Regional Commissions (GARC)

Brent Lanford

MGRC, CIO



Federal Requirements

- Federal legislation requires validation on a minimum set of characteristics, called Fundamental Data Elements (FDEs)
- **Roadway Element Validation and Mapping Program (REVAMP)** seeks to capture data elements important to local, state, and federal governments



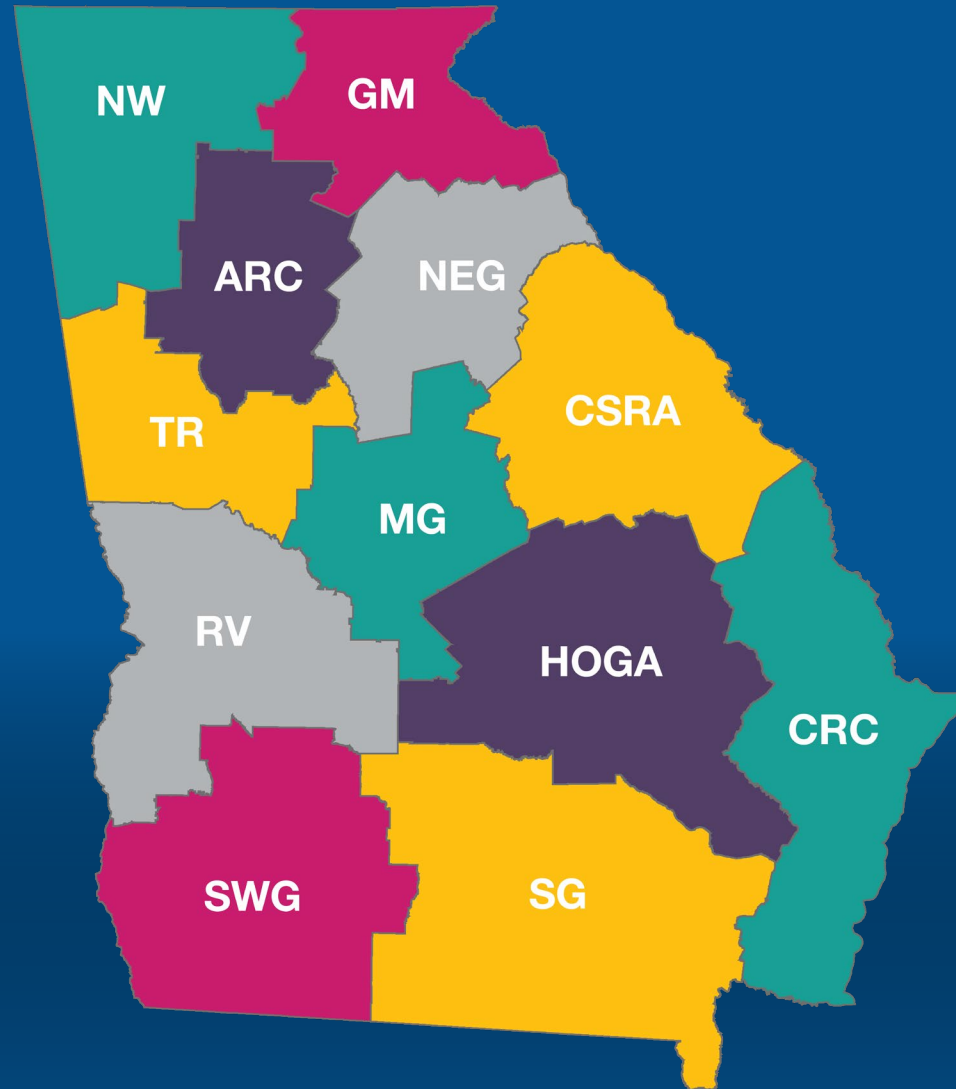
Program Goals



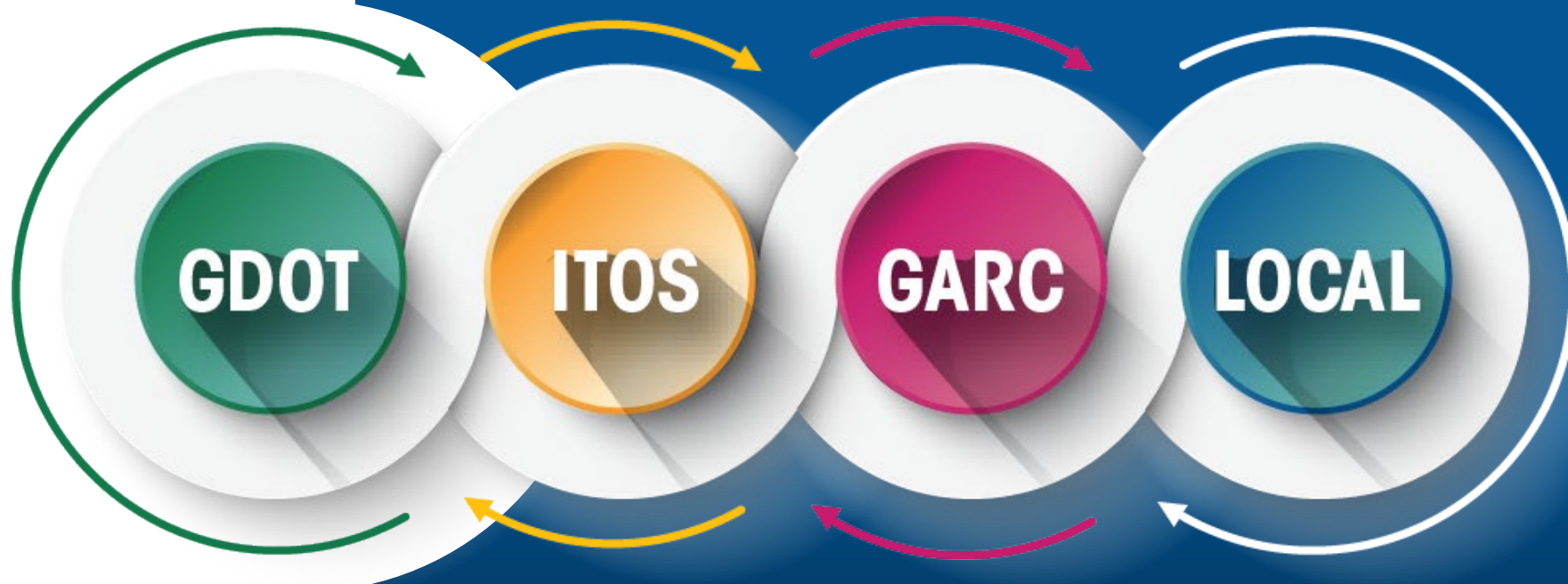
- Validate and capture data to ensure compliance and integrity
- Create strong community alliances to support federal and state reporting requirements as well as future data maintenance needs
- Express GDOT's intentions as related to REVAMP, Local Maintenance Improvement Grant Program, Reconciliation and State Code compliance (32-4-41, 32-4-91)

REVAMP

**Unified
Communication
Strategy**



REVAMP



**Flow of
Information**

WORKING CLOSELY WITH LOCAL GOVERNMENTS
to make Georgia's public road network information the
best it can be.



Public Road Asset
Management
Program

Improve
Safety

Enhance
accuracy of
funding
allocation

Improve Road
Characteristic
Data

Improve
Data
Analytics

Improve
Federal
Reporting

**Program
Benefits**

Current Status

Phase 1: Complete (January 2017 – February 2021) = 49 months

Phase 2: Complete (March 2021 – September 2022) = 19 months

Phase 3: Complete (October 2022 - January 2024) = 16 months

Phase 4: Complete (February 2024 – December 2024) = 11 months

Phase 5: (February 2025 – TBD)

Data Elements



Phase 1	Phase 2
Median Type	Crosswalk Presence*
Operation	Number of Turn Lanes
Ownership	On-Street Parking Type
Road Names	Pedestrian Signal Presence*
Surface Type	School Zone Locations
Thru Lanes	Sidewalk Presence*
Traffic Control Devices	Speed Limit Zones (Federal Aid Sys)

Data Elements



Phase 3	Phase 4
Bike Lanes (marked)	Edge Line Presence
Crosswalk Presence	Intersection Geometry
Curb Presence	Intersection Number of Legs
Curb Ramps	Median Type at Intersection
Median Barrier Type	Roundabout - Inscribed Diameter
Pedestrian Signal Presence	Type of Intersection
Sidewalk Presence	-----

Data Elements



Phase 5

Centerline and Right Shoulder Rumble Strip (Local Roads)

Guardrail Presence (Local Roads)

Median Crossover / Left-Turn Lane Type (Fed Aid Roads)

Multi-Use Paths (All Roads)

Right Turn Channelization (Fed Aid Roads)

Transverse Rumble Strip (Local Roads)

Data Elements: Phases 1 - 5

Phase 1

- 1) Median Type
- 2) Number of Lanes
- 3) Operation (1-way or 2-way)
- 4) Ownership
- 5) Road Names
- 6) Surface Type
- 7) Traffic Control Devices

Phase 2

- 8) Crosswalk Presence
- 9) Number of Turn Lanes
- 10) On-Street Parking Type
- 11) Pedestrian Signal Presence
- 12) School Zones
- 13) Sidewalk Presence
- 14) Speed Limit Signage

Phase 3

- 15) Bike Lanes (Marked)
- 16) Curb Presence
- 17) Curb Ramps
- 18) Median Barrier Type

Phase 4

- 19) Edge line Presence
- 20) Intersection Geometry
- 21) Intersection Number of Legs
- 22) Median Type at Intersection
- 23) Roundabout - Inscribed Diameter
- 24) Type of Intersection

Phase 5

- 25) Centerline and Right Shoulder Rumble Strip Presence
- 26) Guardrail Presence
- 27) Median Crossover / Left Turn Lane Type
- 28) Multi-Use Paths
- 29) Right Turn Channelization
- 30) Transverse Rumble Strip Presence

State Code 32-4-41 Duties of a County



The county shall notify the department within three months after a county road is added to the local road or street system and shall further notify the department within three months after a local road or street has been abandoned. This notification shall be accompanied by a map or plat depicting the location of the new or abandoned road.

State Code 32-4-91 Duties of a Municipality



A municipality shall notify the department within three months after a municipal street is added to the municipal street system and shall further notify the department within three months after a municipal street is abandoned. This notification shall be accompanied by a map or plat depicting the location of the new or abandoned street.

REVAMP



Important Program Recognition Points

- GDOT recognizes that required data elements cannot reasonably be collected through previous business processes prior to MAP-21
- MAP-21 mandate is the responsibility of the State of Georgia
- No one knows the data or roads better than the local governments

REVAMP



Innovative Approach

- REVAMP supports asset management and safety programs on all levels (local, state and federal)
- Is focused on data quality
- 2017 NADO Innovation Award Recipient for MAP 21
- 2023 FHWA AEGIS National Recognition

REVAMP



Questions?

Office of Transportation Data

Paul Tanner

REVAMP Liaison