MAP-21: It takes a State

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2012: The Mandate

• Signed into law July of 2012.

• Daunting Task: Capture & Validate 7 data items on ALL public roads.

• How can this mandate be tackled without interrupting regular business operations?
Office of Transportation Data

1. Traffic Count App
2. Maps
3. Geospatial Data & Road Characteristics
4. Road Mileage
5. Highway System Management Program
6. Functional Class App
7. Local Government Programs
8. Honorarium App
9. Data Analysis
10. State & Federal Reports
GDOT’s Map 21 Goals

• Regional commissions and local governments will collaborate to validate existing data, ensuring compliance and integrity.

• The program will create strong community alliances to support current and future data maintenance programs.
Fundamental Data Elements (FDE) to Validate or Capture

Focusing on local, public roads. (Non-State Routes)

<table>
<thead>
<tr>
<th>Data Validation</th>
<th>Data Capture</th>
</tr>
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<tbody>
<tr>
<td>Ownership</td>
<td>Road Names</td>
</tr>
<tr>
<td>Surface Type</td>
<td>Traffic Control Devices</td>
</tr>
<tr>
<td>Number of Lanes</td>
<td></td>
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<td>Median Type</td>
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<tr>
<td>Operation</td>
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Program Phases

Phase 1 - Engagement
• Community outreach leverages existing RC-local government relationships
• Identification of service level(s) provided by each RC

Phase 2 - Validation or Capture
• Program execution
• Control Quality

Phase 3 - Maintenance

We are here!!
Inter-Agency Alliances: GIO

- Georgia Geographic Information Office
- Coordinate with GDOT to create a robust program to fulfill the mandate, as well as model other future initiatives.
- Define other stakeholders and interests for the data outside of the federal mandates.
Inter-Agency Alliances: ITOS

- Carl Vinson Institute of Government

- Perform QC of final deliverables from GARC before delivery to GDOT.

- Report program status of deliverables, schedule and budget to GDOT.
Inter-Agency Alliances: GARC

- Georgia Association of Regional Commissions

- Manage the FDE attribution process with participating Regional Commissions, counties, and local communities.

- Develop a quality assurance (QA) plan with ITOS to validate the quality of the work before delivery.
Successes To Date

• Creation of GeorgiaMAP21.org

• Development of tools and web map services

• 23 counties in various stages of the program

• Local Government’s awareness of LRA obligations.

• National Association of Development Organizations (NADO) 2017 Award
Questions?

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http://www.dot.ga.gov