OPEN TRANSPORTATION TECHNOLOGY
A new role for MPOs?

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WHAT IS (REGIONAL) GOVERNMENT’S ROLE?
“Government may be slow at making decisions, but we compensate for that by making the same decision over and over.”

–Random Passerby
GTFS
General Transit Feed Specification

OpenStreetMap
The “Wikipedia” of maps
3 CASE STUDIES

- Open Data Coordination ARC
- 511 Data Feeds MTC
- Open Source Data in Travel Demand Model DVRPC
OPEN DATA COORDINATION AND COLLABORATION AT ARC
Creating regional tools and data
PROJECT PRIORITIES

- Multi-agency approach
- Project sustainability
- Leverage open data, open source
- Fills an unmet need
Click on stops on the map to make an ordered trip pattern. Set the travel and dwell time for each stop and create an alignment.

Filter Stops
- Show only stops for GRTA Xpress
- Show all stops
Some stops may be hidden at current zoom level.

Trip Patterns
- Create New Pattern
- Delete Pattern
- Duplicate Pattern
- Edit Pattern Name
Transit Analysis Tools
It’s not all about buses and trains.
Functional Classification Review

- Arterials
- Collectors
- Local streets
How did we do this for the 2000 Census?

We like this.  

We’re not crazy about this.
Data pipeline
The Solution: Build an open source web application

Web app: [http://atlregional.github.io/fc-review](http://atlregional.github.io/fc-review)

Source code: [http://github.com/atlregional/fc-review](http://github.com/atlregional/fc-review)
### Project Timeline

- **Training** (5/5 - 5/20)
- **Submission period** (5/20 - 6/20)
- **Review period** (6/20 - Ongoing)

**Deadline (Friday)**

**Total Change Requests:** ~1000
Change status of “issue”

Comparative view of changes
CHALLENGES

- Unfamiliar source data
  - Working with unfamiliar (DOT) road network
  - Large dataset: local roads ~ 80% of network
- Users
  - Training on web app
  - Browser compatibility
  - Procrastination, i.e. we’re all human
- Sheer volume of change requests
  - Local road upgrades require additional data collection by GDOT
MOVING FORWARD

- Continuing to process change requests
- Cohesive network
- Logical termini
- Accurate reflection of travel patterns
- Considering similar frameworks for other datasets
  - Transportation improvement program (TIP)
  - Project solicitation
- Would love to hear ideas from others!
THANK YOU!

Slides

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