Freight Cluster Plans Pre-Proposal Meeting

January 22, 2018

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Principal Planner
Atlanta Regional Commission
Background

Need identified in the 2016 regional freight plan update

- 2015 – Initial discussions internally and with consultants
- 2016
  - Determined interest from potential local sponsors
  - Sought support from TCC and TAQC members
- 2017 – TIP Solicitation with four local sponsor applications
- 2018 – First round of plans begins
2017 TIP Solicitation included the opportunity to apply for a Freight Cluster Plan grant for the first time.

- Applicants could apply for $200,000 - $250,000 in federal funding
- Applicants provide an additional 20% local funding match

Four local project sponsors applied for $250,000 each, for a total contract value of $312,500:

- Aerotropolis Atlanta CID
- Gateway 85 CID
- Spalding County
- Stone Mountain CID
Next Steps

Planned Schedule: Official Reviews/Upcoming Actions for TIP Amendment 4

- January 2018 – TCC/TAQC First Read
- Friday, February 9 – TCC Action
- Thursday, February 15 – TAQC Action
- Wednesday, March 14 – GRTA/SRTA Action
- Mid-March – Conformity Determination from US DOT

Followed by:
- ARC contracts with GDOT for the freight cluster plans
- ARC contracts with each project sponsor for their plan
- *Funding for this planning program is contingent on funding availability and approval by all required agencies*
CTP Program

Program Goals

• Assist local governments with local transportation plans

• **Help local jurisdictions identify local priorities and community vision**

• Establish relationships between local transportation expectations with regional expectations

• Help support Comprehensive Plans

Regional Transportation Plan

CTP
Cluster Plan Process

Plan Elements
• Existing Conditions
• Needs Assessment
• Recommendations
  • Prioritized Project List
  • On-Deck Projects with more detailed analysis
  • What projects will be implemented next?
• Extensive Outreach Efforts
Transportation Planning

• Roadways/Connectivity
  o New roadways
  o Roadway extensions
  o Identification of freight routes
  o Trucks in residential areas
  o Route conflicts/issues
  o Access management
  o Asphalt/Striping Condition

• Crash Data Review
  o Crash hotspots
  o Freight specific needs

• Signage and lighting
  o Truck drivers may not be local

• Bridges
  o Weight restricted bridges
  o Sufficiency ratings analysis
  o Low bridge conflicts

• Rail
  o Freight activity
  o RR Crossings: Vehicle operations/design analysis

• Truck Parking
  o Unauthorized parking locations
  o Staging near industrial
  o How to improve?
Access to Jobs

Alternative Modes

• Transit Access
  o Route location/frequency
  o Roadway design for buses

• Bike/ped infrastructure

• Context sensitive design
  o Bicyclist/pedestrian safety
  o Maintain truck operations

TDM: Georgia Commute Options

• Carpool/Vanpool Ridematching
• Guaranteed Ride Home
• Employer assistance/Commuter incentives
Traffic Analysis

- AM and PM Peak Hour Analysis
- Off-Peak analysis if needed
- Future year analyses
- Field Review
- Geometric Design Review
- Detailed Recommendations
- Capacity, Operations, and ITS Projects

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PEAK HOUR FACTOR

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Land Use/Growth

Land Use
• Existing Land Use/Zoning review
  o Residential Conflicts
  o Does Industrial/Commercial zoning allow residential uses?
  o Is Residential allowed adjacent to land zoned for Industrial?
• Growth Potential for Traffic Analysis

Market Analysis
• Major Employers
• Functionally Obsolete Buildings
• Optional – Full Market Study

Incompatible Land Uses
Outreach

• Freight Advisory Task Force
• Local Jurisdictions
• Technical Advisory Committee
• Stakeholder Advisory Committee
• Stakeholder Interviews
Outreach

- Online Surveys/Mapping tools
- Public Meetings
- Truck Driver Surveys
- Open House Meetings at Industrial Facilities
Industry Changes

How will the industry change in the next 20 years?

• Increasing Use of Smartphones/Apps
• Growing Home Delivery: E-commerce Fulfillment Centers
• Connected Vehicles and Autonomous Vehicles (CAV)

NY Times: Starsky Robotics, testing in Florida
Industry Changes

Alternative fuels/energy
• Compressed Natural Gas (CNG)/Liquefied Natural Gas (LNG)
• Electric Trucks – Charging Infrastructure?
• Truck Parking Electrification

LNG Plant – Ball Ground, GA  Tesla Semi
Industry Changes

Work with the Georgia Tech Supply Chain & Logistics Institute

- Insight into the freight industry and how it’s changing
- Move freight more efficiently
- IOT/Physical Internet Research

Physical Internet Center at the Georgia Tech Supply Chain & Logistics Institute
Questions?

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