

GDOT-Office of Planning Update

*GAMPO Conference
Athens, Georgia*

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AGENDA

- Atlanta Region Managed Lane System Plan
- I-85 HOV to HOT Conversion
- Statewide Freight & Logistics Plan
- Statewide Model
- Upcoming Studies

Atlanta Region Managed Lane System Plan

- Managed Lanes are an innovative solution to managing congestion through “value pricing” and providing a mobility option.
- Will utilize and expand the current HOV system footprint.
- The first *system-wide* evaluation of urban area managed lanes performed in the United States.
- Evaluated Metro Atlanta freeways
- Considered:
 - Benefits
 - Costs
 - Constructability
 - Financeability
 - Environmental/Community Impacts

Managed Lane System Plan

ULTIMATE MANAGED LANES SYSTEM BUILD-OUT



- Adopted by State Transportation Board December 2009
- Recommends five project tiers
- Est. full build out cost : \$16B
- Est. private participation (P3): \$9B
- Est. Funding Gap: \$7B

SAVES THE REGION \$47B IN REDUCED TRAFFIC DELAY, OVER 35 YEARS

I-85 North HOV to HOT Conversion

- Convert 15 miles of existing HOV lanes (1 lane each direction) on I-85 from Chamblee-Tucker Road (DeKalb County) to Old Peachtree Road (Gwinnett County)
- Access policy:
 - HOV 3+ no charge
 - HOV 2 and SOV access based on value pricing
- GDOT overseeing construction, SRTA operates toll, GRTA operates commuter buses

I-85 North HOV to HOT Conversion

- \$147 Million demonstration project (\$110 million from USDOT, \$37 million matching state and local funds)
 - Construct 2 new park and ride facilities, providing 1,900 additional parking spaces
 - Purchase 36 new buses, supporting 7 transit routes
 - Expanded HERO services
 - Installation of overhead tolling gantries and other ITS features
- Under construction now, open to traffic summer 2011

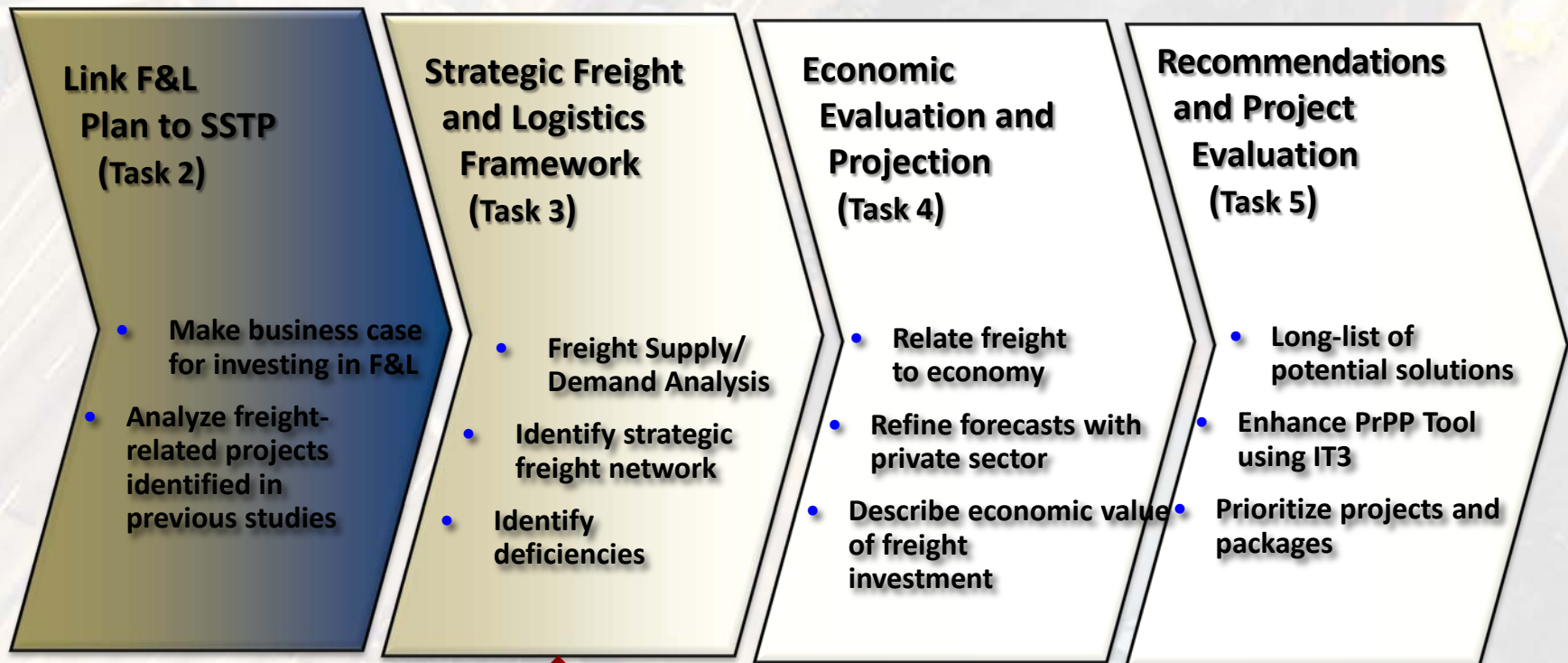
STATEWIDE FREIGHT & LOGISTICS PLAN

Develop a **Statewide Freight and Logistics Plan** that:

- **Builds on the Commission for a New Georgia's "*Freight and Logistics Task Force*" and the Statewide Strategic Transportation Plan (SSTP)**
- **Identifies projects and funding that advance freight programs**
- **Maximizes the economic development potential of freight**

STATEWIDE FREIGHT AND LOGISTICS PLAN: WORK TASKS

Plan Development Advisory Committee and Stakeholder Outreach (Task 1)

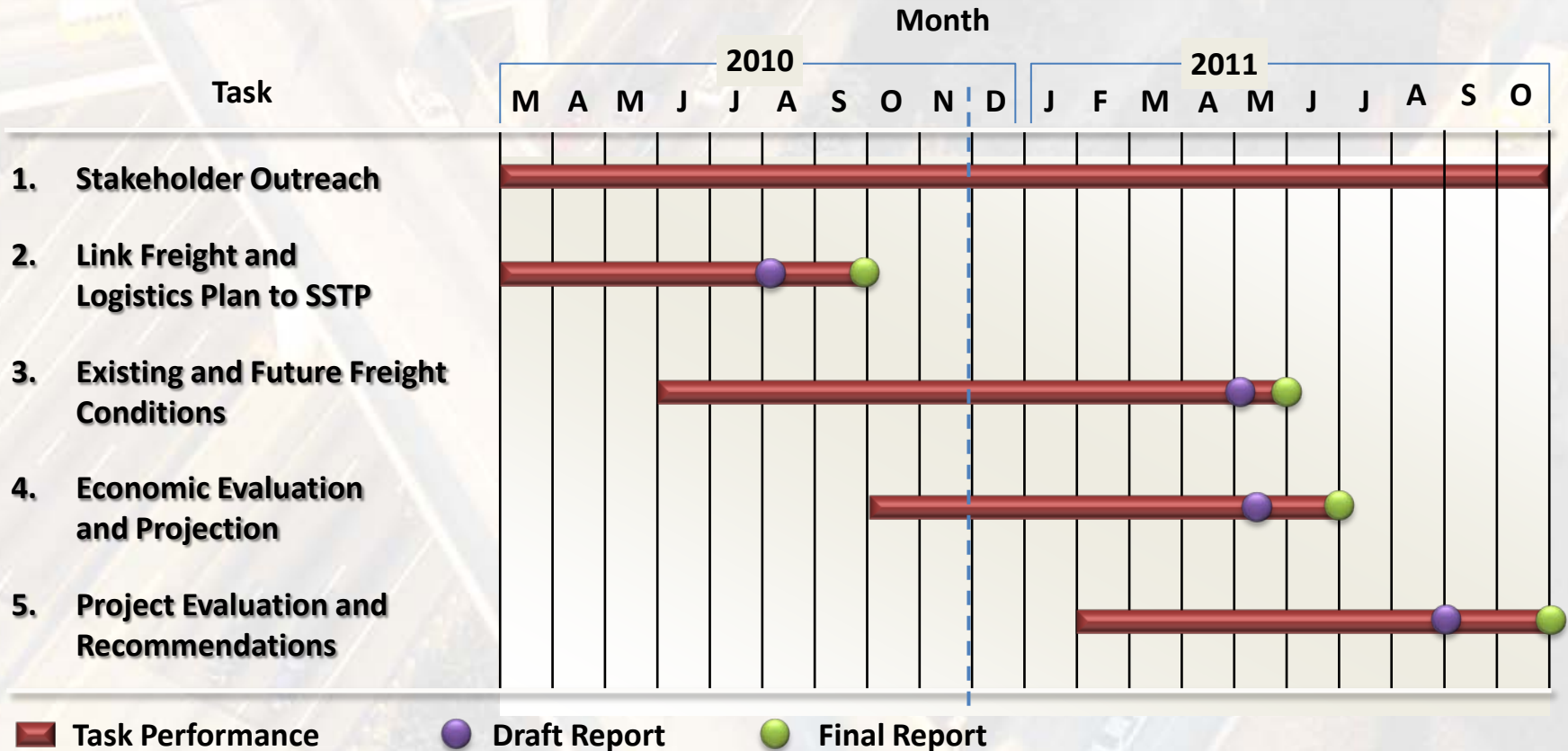



We Are Here

STATEWIDE FREIGHT & LOGISTICS PLAN

- Freight Plans/Studies:
 - Albany Regional Freight Plan, 2007
 - Atlanta Regional Freight Mobility Plan, 2008 and Atlanta Strategic Truck Route Master Plan, 2010
 - Augusta Regional Transportation Study Freight Plan, 2009
 - Savannah/Chatham Co Intermodal Freight Study, 1998
 - Chattanooga VW Plant Freight Impact Study, 2010
 - Valdosta-Lowndes MPO Freight Movement Study, 2010
 - **Other existing, updated or proposed studies?**
- LRTPs will be reviewed for MPOs not listed above

STATEWIDE FREIGHT AND LOGISTICS PLAN PROJECT TIMELINE



STATEWIDE FREIGHT & LOGISTICS PLAN

NEXT STEPS

Fall 2010/early Winter 2011

- Project Identification and Evaluation: identify potential solutions and prioritization scenarios

Winter 2011

- Outreach Coordination and Regional Meetings

STATEWIDE MODEL GOALS

- Develop analysis tools that have the capability to analyze the impact of the following:
 - Modal diversion between people and goods
 - Major changes in land use and economic policies
 - Alternate modes of person travel (auto, bus, rail and air)
- Provide analysis of impacts of future transportation infrastructure investments and strategies
- Develop and maintain appropriate databases to support the statewide model

STATEWIDE MODEL

Will Provide:

- Intercity Person, Passenger Car and Truck Travel Patterns
- Daily Volumes on highway network
- Ability to Evaluate Major Changes in Land Use and Economic Policies on Person, Truck and Goods Movements
- Ability to Evaluate Major Highway and Interstate Improvements outside of MPO areas
- Provide General Intercity Intermodal Freight Movements
- Evaluate Shift of Freight Traffic between Highway and Rail
- Evaluate General Impact of New Intermodal Facilities (Rail-Truck)

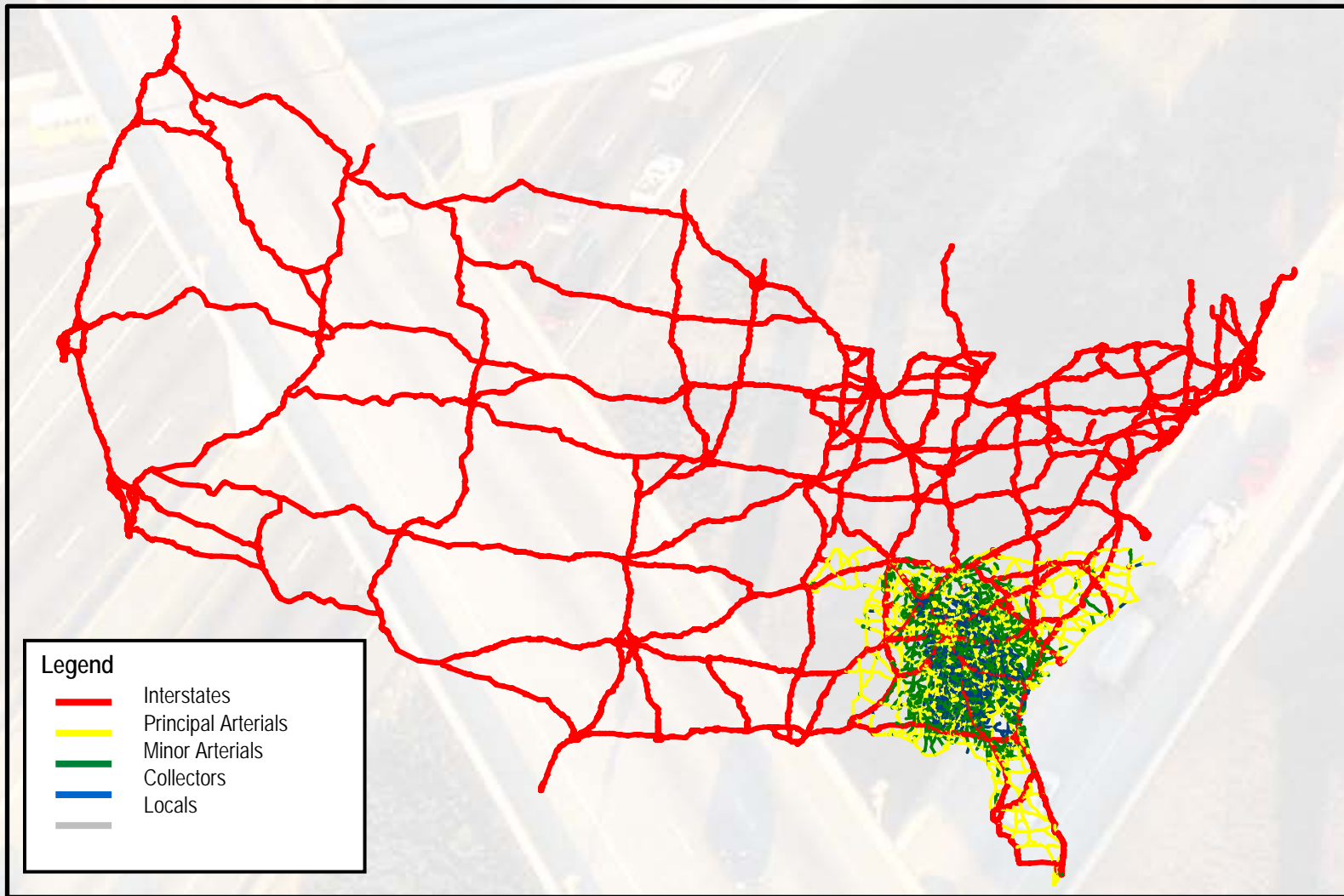
Will NOT Provide:

- Detailed Personal and Vehicle Travel Patterns and Demands within MPO areas
- Identification of Future Bottlenecks within MPO areas
- Detailed Intermodal Freight Movements within MPO areas
- Hourly volumes on highway network

STATEWIDE MODEL HIGHWAY NETWORK

- **Georgia Roadway Facilities** (*all State Routes included*)
 - Inside MPO areas
 - Interstates
 - Principal Arterial
 - Most Minor Arterials
 - Outside MPO areas
 - Interstates
 - Principal Arterial
 - Minor Arterials
 - Most Major Collectors
- **Surrounding States**
 - Interstates
 - Principal Arterials
 - Some Minor Arterials in areas adjacent to Georgia
- **Remaining States**
 - Interstates

STATEWIDE MODEL BASE YEAR HIGHWAY NETWORK



STATEWIDE MODEL SCHEDULE

- Draft Model has been Calibrated and Validated
- Performing Sensitivity Testing
- Evaluating Various Scenarios
 - (combinations of Land-Use Assumptions and Transportation Improvements)
- Identification of Evaluation Measures
- Preparation of Model Documentation
- Estimated Submittal to GDOT: December 25, 2010

UPCOMING STUDIES

- **I-75 Corridor Study: North Metro Atlanta to Chattanooga**
 - Evaluate long and short term transportation needs within the corridor-including capacity and operational needs
- **I-75 Corridor Study: South Metro Atlanta to Perry**
 - Evaluate long and short term transportation needs within the corridor-including capacity and operational needs
- **Columbus-Macon-Augusta Freeway/Corridor Needs Analysis**
 - SSTP/IT3 suggested upgrading Fall Line Freeway to a limited-access route would have benefits
 - Study will consider upgrading limited-access and consider other needed transportation improvements (capacity/operational)

UPCOMING STUDIES

- **Atlanta to Athens via I-20, US 78, etc. Connectivity Study**
 - Evaluate options to improve access between Metro Atlanta and Athens
- **Interstate System Risk Assessment**
 - Focus on maintenance/asset management needs
 - Consider which sections of Interstate need improvements and weigh against travel needs/impacts of not upgrading infrastructure
 - Potential future tool for guiding maintenance funding levels for Interstates

UPCOMING STUDIES

- **Livability/Sustainability Factors**
 - Explore what livability/sustainability means for Georgia's transportation network
 - Consider ways to integrate livability/sustainability factors with Project Prioritization Tool
- **Statewide Strategic Transportation Plan (SSTP)**
 - SB 200 (passed during 2009 General Assembly Session) requires that the SSTP be developed every other year. Next update 2012
 - 2012 SSTP will also satisfy federal requirements for a Statewide Transportation Plan



QUESTIONS?