

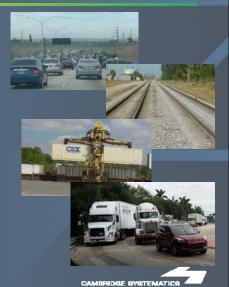
Why is Freight Planning Important?

- Key FAST Act Freight provisions:
 - » National Freight Strategic Plan to implement National Multimodal Freight Policy
 - » \$4.5 billion in freight-focused Fostering Advancements in Shipping and Transportation for the Long-term Achievement of National Efficiencies (FASTLANE) discretionary grant program
 - » \$6.3 billion in National Highway Freight Program formula funding
 - » Encourages innovative finance and project delivery
 - » Requires Bureau of Transportation Statistics to collect and report port performance measures

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FAST Act Funding Programs Help Address Ongoing Challenges

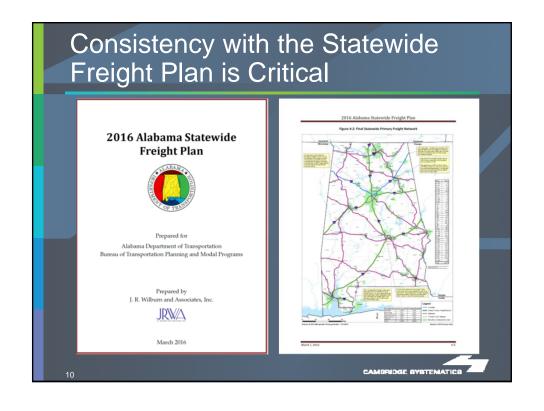
- Safe, efficient, and reliable movement of freight and people
- Global, national and regional economic competitiveness
- Congested highways
- ➤ Efficient intermodal connections and "first/last" mile
- International border operations
- Modernization of seaports and their landside connections
- Infrastructure resiliency and environmental protection
- Rail grade crossing conflicts



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Why is Freight Planning Important? Nationally, freight volumes are expected to grow 40% by 2045, fueled, in part, by: "Projected doubling of U.S. GDP International trade "Domestic energy production "Truck "Rail "Water "Air "All Others Source: U.S. DOT Freight Arablysis Framework, version 4 (FAF4)





Why is Freight Planning Important?

- Freight operations have different needs than passenger movements
 - » Linked and complex supply chains
 - » Regional, national and global perspective
 - » Value of time considerations
 - » Shipper/receiver service requirements
 - » Infrastructure capacity and dimensi
 - » Length of planning horizons
 - » Infrastructure ownership



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Why is Freight Planning Important?

- Freight mobility supports economic prosperity and opportunity
 - » Used by economic development professionals to attract and retain businesses
 - Reliable system performance creates cost savings throughout supply chain
 - » Last mile considerations provide access to freight activity centers and streamlined deliveries to retail and consumer locations

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Why is Freight Planning Important?

- Interaction of freight with other system users can create conflicts
 - » Safety impacts associated with the mixing of non-motorized transportation and trucks
 - Congestion caused by lane
 blockages during unloading/loading activities
 - » Truck route restrictions, complete streets and smart growth strategies can limit available routes
 - » Land use and zoning does not always incorporate freight and developer needs



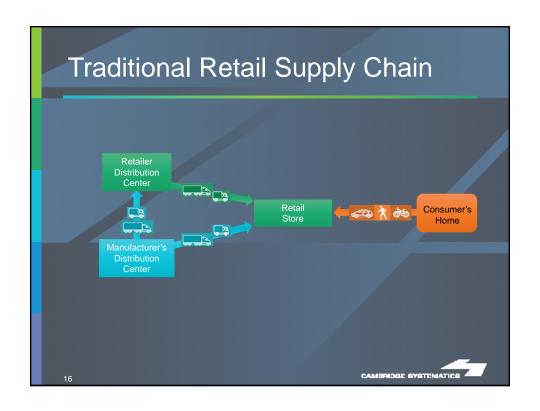


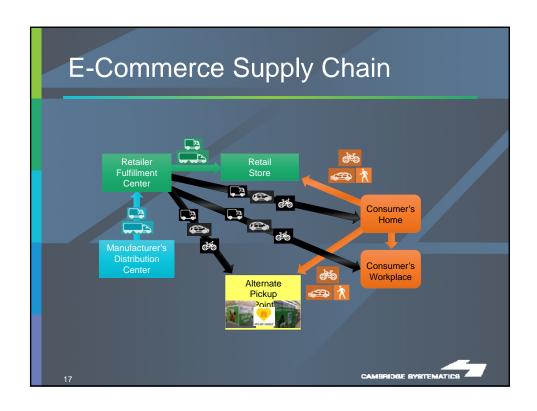
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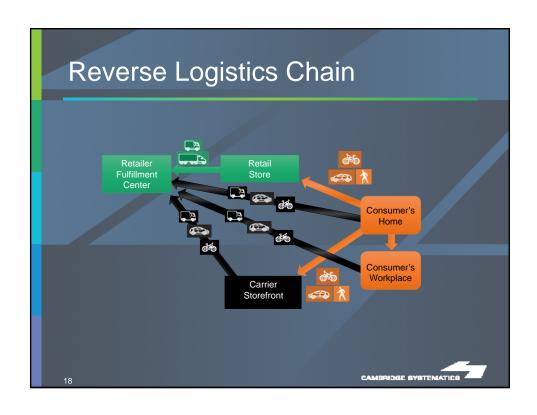
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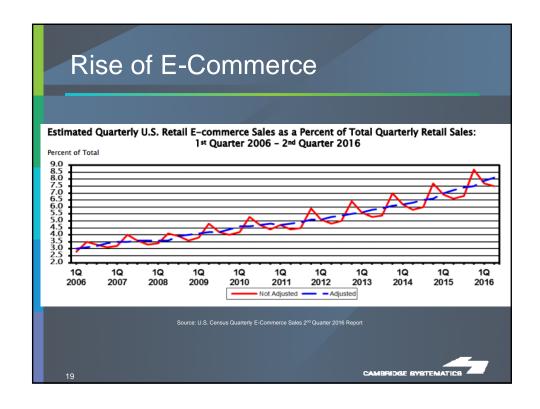
Why is Freight Planning Important? Key Last-Mile Freight Conflicts/Issues Changing Demand/Travel Design/ Transportation Land Use Conflicts **Patterns** Conflicts Conflicts · Encroachment of Customer Complete streets Time-of-day seemingly incompatible conflicts Loading zone/ certain delivery trucks Apparent need to • 53' trailer vs. parking "Good neighbor" smaller delivery deliveries to issues vehicle reduce impacts



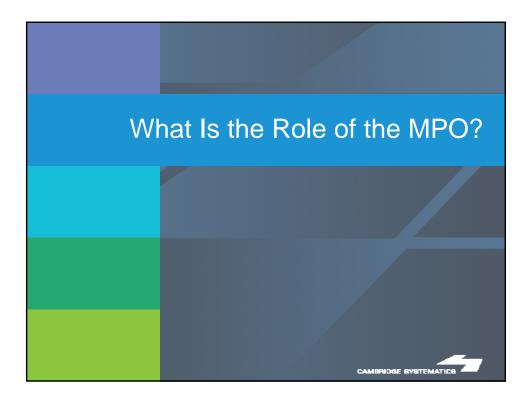












What is the Role of the MPO?

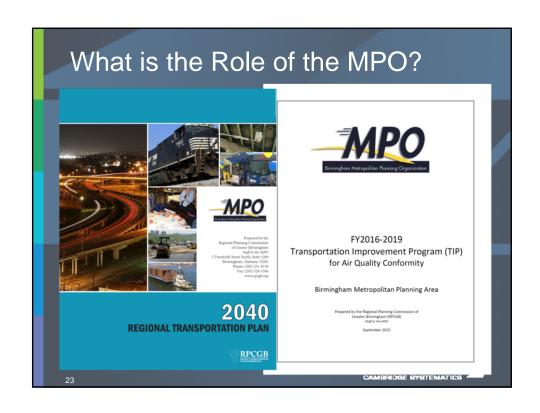
- Establish regional transportation policies
- Identify transportation needs
- Prioritize and fund needs
- Conduct stakeholder outreach and engagement activities

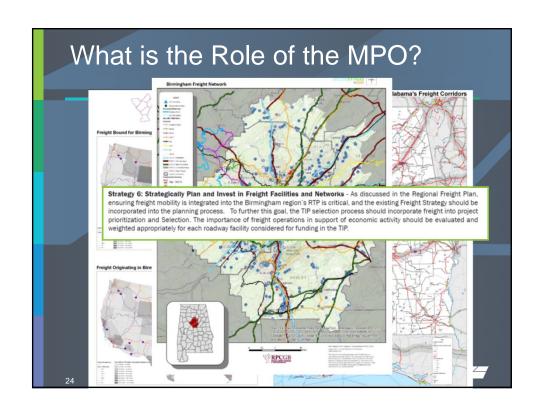


- Educate community leaders and public
- Support partner investment programs
- Develop and maintain regional plans

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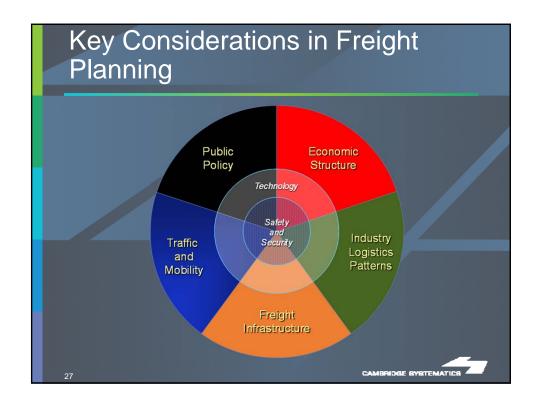


What Are the Key Elements of an Effective Freight Plan?

- Freight-specific goals and policies
- Consistency/compatibility with State and federal guidance
- Freight system profile and narrative
- Land use/development opportunities
- Stakeholder involvement/engagement
- Identification, prioritization and funding of needs
- Freight performance measures/metrics
- Strategies for growth

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What are the Key Components of Your Freight System?

- Interstates, key freight highways, and intermodal connectors
- Railroads and rail yards/terminals
- Airports
- Waterways, marine terminals, and barge operators
- Pipelines
- Trucking terminals
- Warehouse/distribution centers
- Industrial operations/mining/manufacturing
- Major institutions/receivers

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A Comprehensive Freight Profile Drives a Region's Freight Program An effective freight profile summarizes and presents data in a way that tells the region's "freight story." **Topic Automotive Freight Story** **Topic Automotive Freight Story**

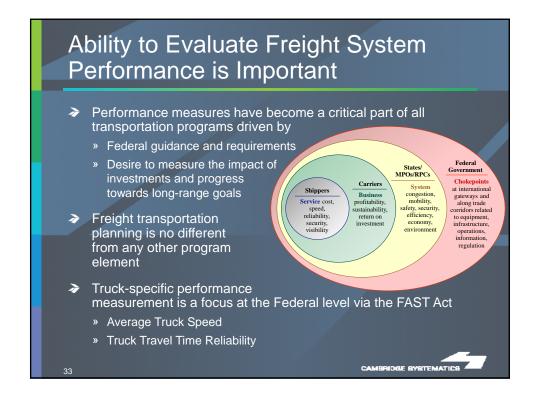
Insufficient capacity Operational constraints Incompatible land use and development Effectiveness of economic incentives Workforce skills and availability Policy direction Support from elected officials

Freight Plan Recommendations/ Strategic Framework

- Provide MPO with the tools to successfully incorporate freight into its 2045 Regional Transportation Plan
 - » Identify, prioritize and fund freight projects
 - » Position region to <u>take advantage</u> of existing and emerging <u>funding</u> <u>programs</u>
- Recommendations and strategies will address
 - » Policy enhancements
 - » Process and programming improvements
 - » Emphasis areas for ongoing freight planning efforts
 - » Improving economic competiveness
 - » Improving quality of life
 - » Ongoing stakeholder engagement

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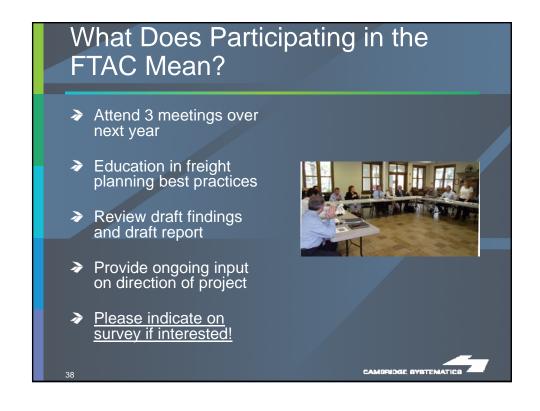








Freight Advisory Committee Identify the right mix of stakeholders Clearly define a win/win scenario Ensure meetings have actionable agenda Engage members in "telling the region's freight story" Provide voice for committee to make formal recommendations





Wrap Up Discussion and Next Steps

- Do you have any questions?
- Has this discussion been educational/helpful?
- Are you interested in being interviewed?
- Are you interested in serving on the FTAC?
- Are you interested in additional best practice information?
- Are there stakeholders you recommend we reach out to?
- What are your priorities for this Plan? What would make it a success?

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