Regional Multimodal Freight Plan Update

Advisory Committee
July 15, 2019
1. Welcome and Introductions
2. Outreach and Engagement Update
3. Regional Multimodal Freight Plan Outline
4. Regional and Local Best Practices
5. Needs and Issues in Regional Focus Areas
6. Next Steps
WELCOME

Regional Multimodal Freight Plan
Public Survey

bit.ly/freighttest
Advisory Committee Input

What should this plan address?

• Consider next generation of goods movement
• Link land use decisions and goods movement
• Describe impact of regional industry clusters and megaregional economy
• Spotlight air cargo and DEN development potential
• Highlight first-last mile and delivery issues
• Consider future distribution and logistics activity centers
• Identify potential future rail, air cargo, and intermodal improvements
• Identify potential future highway congestion, safety, connectivity improvements
Advisory Committee Input

What should this plan achieve?

• Prompt discussions about what the future could look like
• Provide information to the public on freight importance and delivery needs
• Encourage integrated freight planning at local and regional levels
• Establish platform for coordination and future planning
Regional Multimodal Freight Plan

PLAN OVERVIEW
Regional Multimodal Freight Plan

• High-level and strategic regional framework
• Provide information and initial assessment of needs and potential solutions
• Encourage more focused and detailed local and corridor studies and plans
• Begin developing a pipeline of future freight-specific projects and initiatives
Regional Multimodal Freight Plan

1. Delivering Denver
   - Describe the planning process, input received, cross-cutting themes and strategies, and strategic framework

2. Connecting the Economy
   - Tell the story of freight in Denver and illustrate economic, industry, and consumer connections

3. Moving the Region
   - Summarize modal conditions, needs, and trends across the region

4. Focusing on Freight
   - Describe best practices in regional and local freight planning and innovative solutions

5. Coordinating Investments
   - Identify known needs and issues across the region and potential future investment and improvements

6. Planning for the Future
   - Describe freight focus areas and provide a framework for future action and coordination through recommended strategies, actions, and next steps
1. Delivering Denver

Describe the planning process and introduce a strategic framework for future planning, coordination, and investment

- Introduce what if future scenarios
- Describe public and partner input and priorities
- Summarize cross-cutting themes, strategies, and future actions
2. Connecting the Economy

*Describe the economic impact of goods movement in the region and the importance of freight to regional and local economies*

- Jobs and GDP indicators
- Employment change in freight-reliant industries
- International export flows
- Mapping freight-reliant industry clusters
- Consumer and delivery expectations
- Future population, economic, and freight forecasts
3. Moving the Region

*Summary of key data and indicators describing conditions, needs, and trends across modes*

- Highway, rail, air, and intermodal
- Key data:
  - Truck volumes, bottlenecks, reliability, truck safety
  - Goods movement trends, commodity flows, and key movements
  - Freight corridors, rail networks, intermodal hubs, major freight generators
Regional Multimodal Freight Plan

4. Focusing on Freight

Highlights of best practices in regional and local freight planning including potential solutions and actions to address regional needs

- Regional and national initiatives and actions to address safety, delivery, curb management, freight demand, and other needs
- National regional and local freight planning examples
- Spotlight on regional and local freight-related efforts
- Discussion of next generation of goods movement and freight technologies
5. Coordinating Investments

*Synthesis of identified needs within the region, including safety hotspots, bottlenecks, truck parking, truck reliability, and economic connectivity*

- Description of identified needs and challenges from available statewide and regional data
- Identification of future potential investment areas
- Listing of related regional and local freight-specific planned or programmed projects
6. Planning for the Future

Overview of identified freight focus areas and summary of needs and issues, strategies and actions, and key partners within each

- Description of freight focus areas and summary of identified needs and issues
- Identify future freight-oriented development centers or mobility hubs
- Recommended strategies and actions for each area from Advisory Committee
- Potential next steps, coordination, and partners
Regional Multimodal Freight Plan

• **What data would you be interested in?**

• **Other topics or issues that could be addressed?**

• **How can this plan best support your efforts?**
Regional Multimodal Freight Plan

IDENTIFYING REGIONAL FREIGHT PRACTICES
Spotlighting National and Local Best Practices

• Gather and share ideas, innovations, and examples of effective integrated regional freight planning
  • Local or industrial area freight plans
  • Freight elements in master plans
  • Freight-oriented land use guidelines
  • Truck roadway design standards
  • Freight site design standards
  • Public information and education
  • Freight advisory committees
Local Area Freight Plans

- **CITY OF SEATTLE FREIGHT MASTER PLAN**
  - September 2016

- **URBAN FREIGHT INITIATIVES**
  - Sep. 2016

- **North Metropolitan Industrial Area Connectivity Study**
  - June 2018

These plans and initiatives focus on improving freight logistics and connectivity in various urban areas, aiming to enhance efficiency and sustainability in urban freight transportation.
Freight Improvement Programs

Call for Projects
STP-Shared, CMAQ, TAP-L

Freight summary
April 15, 2019

Regional Transportation Plan
Freight Cluster Plan

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

CFID
Comprehensive Freight Improvement Database

Cluster Plan Process

Transmission Security Plan
Freight-Oriented Land Use Guidelines
Roadway Design Guidelines
Public Information and Education

Metropolitan Chicago freight-related assets

- 7 Interstate highways
- 4th busiest cargo airport in the nation
- $3 trillion worth of goods moving through the region each year
- 1.1 billion ft² of industrial space
- 6 Class railroads

This meal brought to you by Seattle’s regional freight networks!

This meal has to travel nearly 2,000 freight miles to get to your plate (and that doesn’t even include the glass, paper plate, and more!)

SDOT is developing the city’s Freight Master Plan and we want your input. Please visit seattle.gov/transportation/freight_fmp.html to learn more.
Local Freight Planning Resources

- Freight planning guide for local governments
- Detailed information on freight supportive transportation planning, policies, and guidelines
  - Examples
  - Strategies
  - Resource needs

Identifying Regional Freight Improvements

1. Develop Freight Focus Areas
2. Identify Needs and Issues
3. Prioritize Strategies, Actions, and Improvements
Identifying Regional Freight Improvements

**Develop Freight Focus Areas**
- Broad areas or corridors
- Highlight activity clusters or significant current or future needs
- Provide framework for issue and project identification
- Integrate into other regional and local planning efforts

**Identify Needs and Issues**
- Synthesize availability data, input, expertise, and available research
- Identify key needs and issues within each focus area
- Evaluate key needs for potential improvements and projects

**Prioritize Freight Improvements**
- Develop initial listing of planned, potential, and long-term improvements
- Focus on infrastructure, but identify policy, technology, coordination, and other solutions
- Develop prioritized regional freight improvement listing for advancement
Regional Freight Focus Areas - DRAFT

- NW Metro
- I-25 North
- DEN Cargo / Aerotropolis
- RiNo Industrial District
- I-76 Intermodal Corridor
- I-70 East Distribution
- Downtown Denver
- I-70 and US 6 West
- I-25 South
- Centennial Airport
- US 85 South Corridor
Northwest Metro

Context
Mixed communities with major industrial, commercial, and agricultural freight generators and existing freight infrastructure

Assets
- Regional and local highway connectivity
- Freight rail lines and facilities
- Manufacturing clusters and agriculture facilities

Needs and Issues
- Local truck movements
- Highway and multimodal safety
- Rail grade crossing safety
- Freight asset and access preservation
- Growing consumer base and land use changes

Potential Strategies and Solutions?
I-25 North Corridor

Context
Major interstate and intraregional highway corridor with emerging new distribution facilities and existing freight-reliant businesses

Assets
- North-south interstate connectivity
- Freight rail lines and yards
- Major existing industrial and manufacturing clusters
- Emerging distribution and commercial centers

Needs and Issues
- Truck parking and safety
- Truck reliability and delay
- Rail grade crossings
- Hazardous material routing
- Growing consumer base and land use changes

Potential Strategies and Solutions?
DEN Cargo and Aerotropolis

Context
Focus on DEN cargo movements and future aerotropolis related development

Assets
- DEN cargo facilities
- Colorado Air and Space Port
- Freight rail access
- Aerotropolis development potential

Needs and Issues
- Future land use and development
- Air-to-truck mobility and connectivity
- Growing delay and congestion; potential truck bottlenecks
- Air cargo capacity and facilities

Potential Strategies and Solutions?
RiNo District

Context
Traditional industrial and logistics cluster with growing mixed use activity centers

Assets
• Freight rail terminals and yards
• Existing distribution centers and intermodal terminals
• Interstate accessibility and local freight corridors

Needs and Issues
• Future land use and development coordination
• Preservation of freight assets and access
• Local truck movements
• Truck and multimodal safety
• Emissions

Potential Strategies and Solutions?
I-76 Intermodal Corridor

Context
Significant interstate freight corridor with existing industrial and manufacturing clusters

Assets
- Interstate access
- Freight rail lines and yards
- Manufacturing and industrial generators

Needs and Issues
- Future land use and development coordination
- Preservation of freight assets and access
- Truck access and connectivity
- Truck parking and safety

Potential Strategies and Solutions?
I-70 East Distribution Corridor

Context
Significant interstate freight corridor with existing distribution and industrial clusters and key regional access points

Assets
- Distribution, logistics, industrial and commercial cluster
- Interstate access and interregional connectivity
- Freight rail lines and connections

Needs and Issues
- Truck mobility, access, and connectivity
- Truck parking and safety
- Future land use and development coordination
- Rail grade crossing safety

Potential Strategies and Solutions?
Denver Downtown

Context
Central business district with significant commercial, retail, and residential delivery and multimodal access

Assets
- Significant economic center and growing mixed use activity centers
- Interstate connectivity

Needs and Issues
- Urban delivery challenges
- Curb management and roadway design
- Truck and multimodal safety

Potential Strategies and Solutions?
Potential Strategies and Solutions?

**Context**
Suburban communities with significant E-W highway connectivity and N-S local access routes

**Assets**
- Interstate connectivity and local freight access
- Commercial, retail, and industrial clusters

**Needs and Issues**
- Truck mobility, reliability, and delay
- Truck safety
- Local freight access and connectivity
Context
Major interstate and intraregional corridor with existing industrial and commercial clusters

Assets
- Interstate connectivity and local freight access
- Commercial, retail, and industrial clusters

Needs and Issues
- Truck mobility, reliability, and delay
- Truck safety
- Local freight access and connectivity
- Bridge clearances

Potential Strategies and Solutions?
DTC and Centennial Airport

Context
Major interstate and intraregional corridor with growing commercial clusters

Assets
- Commercial and retail clusters
- Interstate connectivity to I-25, E-470, C-470
- Centennial Airport

Needs and Issues
- Truck mobility, reliability, and delay
- Truck safety
- Local freight access and connectivity
- Future economic development and land use coordination
- Growing population and consumer base

Potential Strategies and Solutions?
US 85 Corridor

Context
Major intraregional and interregional corridor with existing industrial and manufacturing clusters

Assets
- Commercial and retail clusters
- Connectivity to 85, 285, I-25, 470

Needs and Issues
- Truck safety
- Local freight access and connectivity
- Truck mobility, reliability, and delay
- Future economic development and land use coordination
- Growing population and consumer base

Potential Strategies and Solutions?
Regional Multimodal Freight Plan

NEXT STEPS
Advisory Committee

• **Next meeting scheduled August 12th**
  - Initial data review and confirmation of needs
  - Draft freight focus area action plans

• **Ongoing activities**
  - Plan development and drafting
  - Data collection and analysis
  - Survey efforts
  - Partner coordination