Modal Chapters Overview of Changes

• Chapter 5: Highway Investment Direction and Plan
• Chapter 8: Freight Investment Direction
• Chapter 9: Aviation Investment Direction and Plan
Chapter 5 Highways
Highways Investment Direction

• Operate, maintain & rebuild the existing system – catalyst to address other needs (safety, mobility, freight, bike, pedestrian, etc.)
• Mitigate congestion
  – Traffic management technologies
  – Spot mobility improvements
  – MnPASS
  – Strategic capacity enhancements
• Consider lower cost/higher return projects that address most of the problems for a fraction of the cost of high-cost projects that try to eliminate all problems
• Focus on today’s problems, utilize existing infrastructure and ROW
• Coordinate regional and local projects
Highways Investment Prioritization Factors

• Safety and security
• Operate, maintain and rebuild
• Improve critical system connectivity
• Improve travel time reliability and provide options in congested corridors
• Support growth and local comprehensive plans
• Regional balance of investments
Metro Share of MnDOT Investment

- Historically: 41-43%
- Recently: 41%
- “TIP”: 42%
- “CHIP”: 40%
- Post “CHIP”: 30%

* From 2018 TPP Update
Current Revenue Scenario Highways Investments

- I-94 Minneapolis to St. Paul MnPASS (ReThinking I-94)
- I-35W North Gateway MnPASS
- MN 252/I-94 freeway conversion and MnPASS
- I-494 MnPASS
- Spot mobility, strategic capacity (not shown)
Increased Revenue Scenario Highways Investments

• Operations and maintenance
• Rebuild and replace
• Safety
• Regional mobility
  – Traffic management technologies
  – MnPASS
  – Principal Arterial Interchange Conversion Study
  – Freeway System Interchange Study
• Multimodal
Highways – Expected Changes

✓ Projects from 2018 Regional Solicitation, Counties, etc.
✓ Future to past tense, removed constructed projects, etc.
✓ Congestion free -> less congested, more reliable
✓ Freeway System Interchange Study results
  ✓ < $10m & < 4-year return period in Current Revenue Scenario
  ✓ Remaining in Increased Revenue Scenario
✓ Pavement and safety, measures and targets
✓ Regional significant definition added
  • Population and VMT estimates/forecasts
  • Nearly all maps
Highways – Work Program Items

- Congestion Management Process Plan
- Highways Performance Measures and Funding Decisions
- Assessment of Regional Congestion Mitigation Philosophy (new)
- Regional Solicitation Projects Before and After Analysis
- Connected and Autonomous Vehicles
- Electric Vehicles Planning Study
Questions?

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Chapter 8 Freight
Multimodal metropolitan freight system includes five modes:

- **Trucks on highways**: long-haul, through trucks; direct service to riverport and rail terminals, warehouse distribution centers, and manufacturing plants; local deliveries to homes/businesses.
- **Railroads**: regional connections serving national markets; make international trade possible via East and West Coast ports.
- **River Barges**: water transportation via Mississippi River System; low-cost option for moving bulk freight; provides for some international trade via Port of New Orleans.
- **Air Freight**: shipments of light weight, high-value, and time-sensitive products to national & international markets.
- **Pipelines**: vital mode for shipping valuable fuels with minimal impacts to surface transportation.

**Existing Freight System**
Metropolitan Freight System
Freight Policy/Investment Direction

• Regional Truck Freight Corridors
  – Prioritized segments of Principal and Minor Arterials
  – Based on truck usage and land use factors
    • Heavy commercial truck volumes
    • Truck % of total traffic
    • Proximity to freight clusters
    • Proximity to regional freight terminals
  – Designated as regional priorities
  – Incorporated into Regional Solicitation
  – Used in MnDOT-administered Federal Highway Freight Program
Regional Truck Freight Corridors
Freight – Expected Changes

- Adding text on development of process to update Regional Truck Freight Corridors
  - Intention to develop process to apply new data that relate to study analysis factors
  - Will update study analysis tool to allow for local data refinements
  - Process to be in place for 2022 Regional Solicitation

- Adding text about new Industrial Land Atlas Mapping Tool
  - Will make Industrial-Manufacturing Land Inventory database available to public
Freight – Work Program Items

• Industrial Land Atlas Mapping Tool
  – On-line, interactive mapping tool
    • Identifies/prioritizes industrial sites for development
    • Assists cities in identifying where land may be preserved for industrial uses

• Regional Truck Data Collection Framework
  – Purpose to determine best methods and process for collecting truck data on Regional Truck Freight Corridors
  – Work to include
    • Review/coordinate with MnDOT & County highway departments on existing and planned truck data collection
    • Review best practices from peer state DOTs and regional MPOs
    • Develop process to collect, report & maintain truck data
Questions?

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Chapter 9 Aviation
Aviation Policy Direction

• The Regional Aviation System Plan is contained within the TPP.
• The Aviation chapter and appendices discuss regional aviation issues as well as provide land use guidance for cities near airports.
• The Aviation chapter also documents regional airport data and how the federal, state and regional aviation policies interact.
Current Aviation Policies in the TPP

- Maintain and ensure the Regional Aviation System is protected.
- Continue to provide support for the Aviation system and analyze how it connects to the Regional Economy.
- Plan for Air and Surface Access to the region's airports.
- Schedule Airport Development Plans (Airport Comprehensive Plans).
- Protecting Airspace and Operational Safety and ensuring Environmental Compatibility
Aviation – Expected Changes

• Very few changes in the Aviation Chapter and Appendices
• MSP Long Term Comprehensive Plan (LTCP) is scheduled to be completed by the end of 2020.
• Minimal changes to the planned projects at other regional airports.
• Potential administrative amendments in 2021 for:
  – Crystal Airport Project
  – Airlake Airport Runway Extension
  – MSP LTCP Projects
Questions?

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