

# **Freight Summit Agenda**

- Introductions and Meeting Purpose
- Freight Plan Purpose and Overview
- Freight Trends
- Survey Results
- Break
- Breakout Discussion
- Break
- Group Report
- Next Steps



#### **Planning Team Introductions**

#### **Montana Department of Transportation**

Sheila Ludlow Heather Kuklo

#### **Consultant Support Team**

Kimley-Horn
Brent Crowther
Joe Lampe
Andrew Wainwright

Cambridge Systematics
Lizzie Welch
Andreas Aeppli

KLJ Engineering
Wade Kline
Chris DeVerniero

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## **Meeting Purpose**



- Discuss Freight Plan Update
- Provide overview of freight trends in Montana
- Hear your thoughts about:
  - · Critical issues/needs
  - Anticipated trends
  - · Important facilities/corridors
  - · Barriers and bottlenecks
- Your input, along with data analysis, will help develop strategies for improvement

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# Let's get started!

Are you a Grizzlies or Bobcats fan?



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## Let's get started!

- What category of organization do you represent?
  - Government Agency
  - Safety/Emergency Management
  - Manufacturer
  - Carrier/Trucking Company
  - Railway or Port
  - Aviation
  - Industry Association/Representative Organization
  - Other

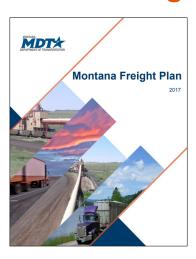
## Let's get started!

What area of Montana do you represent/primarily work in?

- Northwest (includes Kalispell, Ronan, Missoula)
- Southwest (includes Butte, Bozeman, Helena)
- Northcentral (includes Great Falls, Lewiston, Havre)
- East (includes Glendive, Miles City, Sidney)
- Southcentral (includes Billings, Hardin, Red Lodge)

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## **Federal Freight Plan Purpose**



- Updated every 5 years
- · Required to receive federal funding
- Communicates how freight contributes to Montana's economy
- Identifies significant freight infrastructure and system issues in Montana
- · Recommends strategies for improvement
- Guides freight-related transportation investment

#### **National Freight Strategic Plan**

- Established as part of the Fixing America's Surface Transportation Act (FAST Act)
- · Defines the vision and goals for the National Multimodal Freight Network
- · Goals include:
  - · Improve safety, security, efficiency, and resiliency
  - Maintain a state of good repair
  - · Improve economic efficiency and productivity
  - · Improve reliability of freight transportation

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#### **Statewide Planning Efforts**

• **MDT mission:** To serve the public by providing a transportation system and services that emphasize quality, safety, cost effectiveness, economic vitality and sensitivity to the environment.



- · Broad statewide policies
- · 20-year forecast





- · Focus on freight
- 5-year forecast
- · Updated every 5-years

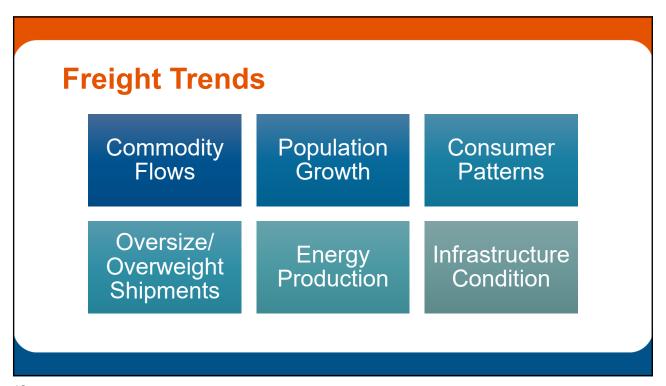
#### **Freight Planning Partners**

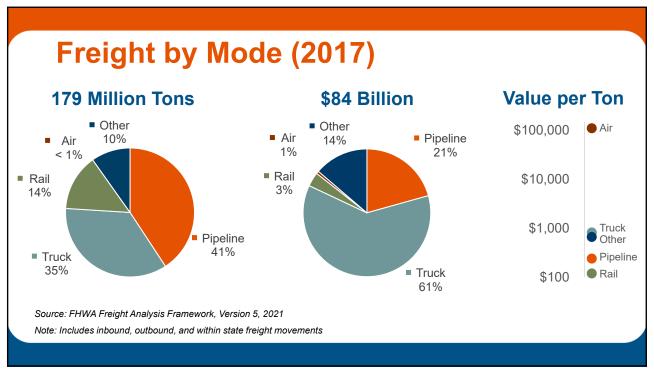
- Stakeholders
  - · Provide input on needs, issues, and strategies
  - · Provide feedback on final documentation
- MDT Project Team
  - · Guide plan development
  - Stakeholder liaison
- Consultant Team
  - Lead data collection and analysis
  - · Facilitate stakeholder engagement
  - Prepare final plan and documentation

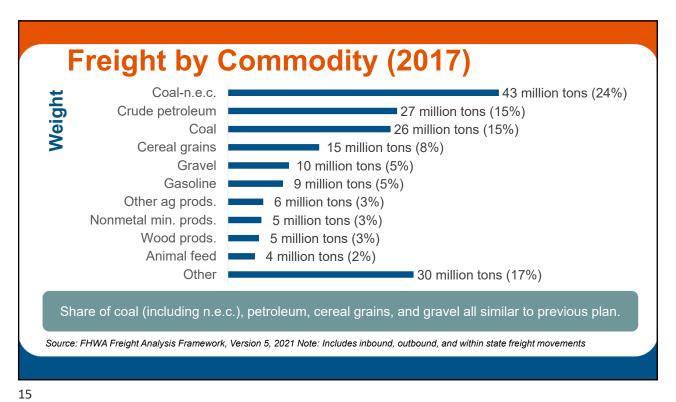
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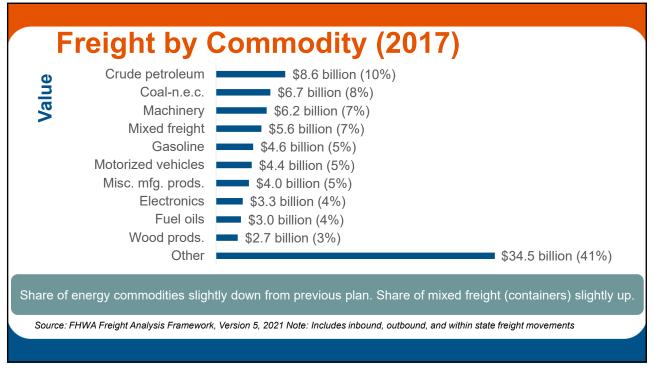
# Freight Plan Update Schedule





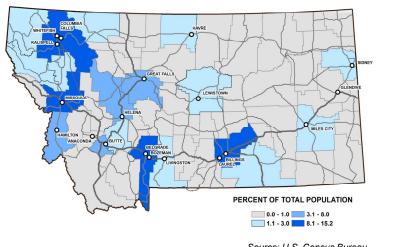






## **Population Growth**

- Since the 2017 Freight Plan
  - Montana population up
  - National population up 1.8%
- Population density impacts how efficiently residents' freight needs are served

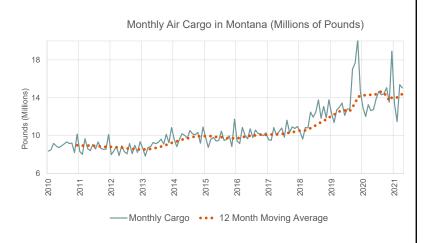


Source: U.S. Census Bureau

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#### **Consumer Patterns**

- eCommerce fundamentally changing consumer patterns
- Roadway implications:
  - Increased distribution traffic
  - Non-traditional freight vehicles (vans, personal vehicles)
- Air cargo up 34% between 2017-2020



Source: Federal Aviation Administration

#### **Oversize/Overweight Traffic**

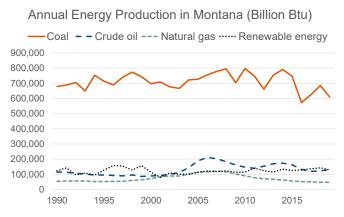
- Common types:
  - Project cargo for wind, crude, and mining
  - · Agricultural equipment
  - Permitted loads
- Transportation impacts:
  - Infrastructure wear
  - Highway routing
  - Shift to rail when possible

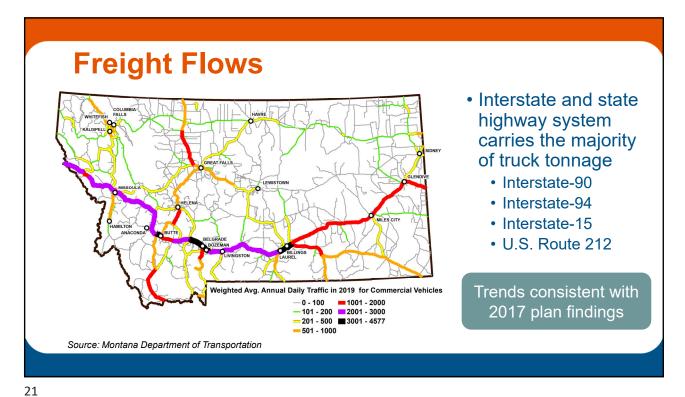


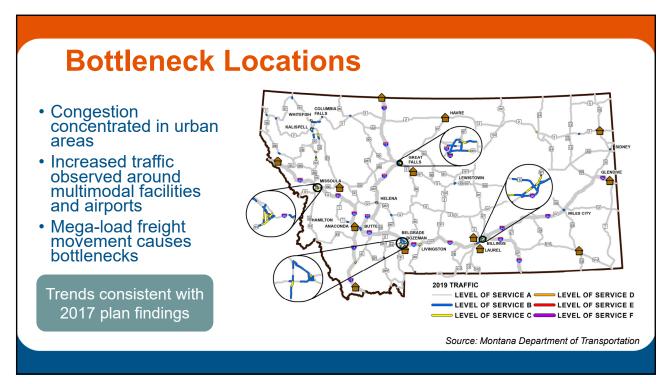
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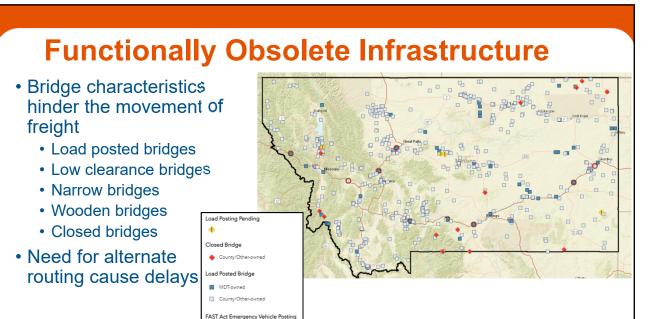
#### **Energy Production**

- Change in 3-year average from 2010-2019:
  - Coal: -16%
  - Crude Oil: -24%
  - · Natural Gas: -53%
  - Renewable: +16%
- Coal a historical staple of railroads
  - Opportunity to utilize capacity for other growth areas
- Consistency of freight demand
  - Extraction has significant movement throughout life cycle
  - Renewable freight concentrated at startup



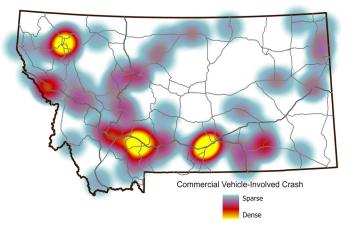






## **Safety and Crashes**

- Safety and improved capacity are top priorities
- Commercial vehicleinvolved crashes center around urban areas and along major roadways
- Difficult terrain and adverse weather are high concerns



Source: Montana Department of Transportation

Source: Montana Department of Transportation

## Freight Survey: Initial Input



https://www.surveymonkey.com/r/mdtfreightplan

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# What freight-related infrastructure challenges are most pressing in Montana?

- Over half of respondents indicated that crashes/roadway safety is an urgent or moderate-high priority
- Other comments highlighted:
  - · Aging road culverts and bridges
  - Grade crossing consolidation
  - Balancing all modes (freight, active transportation, vehicles)

# What freight-related policy changes are most pressing in Montana?

- Nearly three-quarters of respondents indicated that funding for transportation is an urgent or moderate-priority issue.
- Other highlighted priorities include:
  - · national trade policies
  - collaboration (data sharing) between state and industry

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# How do you expect freight tonnage in Montana to increase over the next 5 years compared to the last 5 years?

- Most respondents indicated that freight tonnage from the energy sector will increase
- Nearly half responded that tonnage from mining and quarrying will see slower growth

# What current trends do you think will have a lasting impact on Montana's freight system?

- Large impact:
  - e-Commerce
- Moderate-to-large impact:
  - Supply chain restructuring from COVID-19; and
  - Industry/vehicle automation
- Moderate impact:
  - Population growth

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# Please provide specific examples of how drivers use data and technology. How can MDT respond and improve?

- Comments included:
  - "Provide current updates on construction, weather, and incidents to help avoid accidents and road closures"
  - "State-wide radio station with information specific to an area without having to dial 511"
  - "Variable speed limits set up drivers for conflict with noncommercial vehicles; areas with limited passing opportunities are of most concern"
  - "Push data to drivers rather than drivers having to seek out information"
  - "Share platforms with neighboring states"
  - "Detours and delays need to be planned, monitored, and mitigated"

# Please take the survey and provide your input!

- https://www.surveymonkey.com/r/mdtfreightplan
- · Thank you to those who have already participated
- Survey open through November 5th



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#### **Break**

- 5 minutes
- Please don't leave us!
- Group breakout discussions are up next.

- 1. Discuss questions with those in your group
- 2. Report back to the larger group with findings
- 3. Input will be compiled and used to inform the plan

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#### **Breakout Discussion**

#### Question 1:

What are your biggest priorities and concerns when thinking about freight movement in your industry and the state?

Types to consider:

- Safety
- At-grade crossings
- Congestion/bottlenecks
- Access/Connectivity
- Truck Parking
- Infrastructure Design

Truck-Involved Crashes

At-Grade Crossings Congestion Bottlenecks

Access/Connectivity Truck Parking

#### Question 2:

Are there specialized freight movements in your industry that should be considered in the plan? Do these movements have different infrastructure or operational requirements versus other vehicle or commodity types?

- Specialized freight to consider: oversize or overweight movements, international trade, crops, livestock, mining support
- Differences to consider: vehicle size/infrastructure design, operational times or urgency, intermodal traffic, parking requirements, workforce issues

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#### **Breakout Discussion**

#### Question 3:

What issues impact the movement of freight along the network?

Types to consider:

- · Intermodal volumes
- · Limited truck parking
- · Mode shifts to/from trucking
- · Traffic or community impacts near terminals
- · Anticipated opening or closure of terminals or facilities
- · Lack of connections to intermodal facilities
- · Lack of qualified personnel



#### Question 4:

Are there any locations where you see issues with the following?

- Bottlenecks locations with recurring delays
- Truck parking rest area capacity issues or frequent unauthorized parking
- · At-grade crossings with railroads
- Weather closures routes or regions with either recurring seasonal closures or periodic severe weather issues
- Others?



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#### **Breakout Discussion**

#### Question 5:

What types of improvements are important to consider as the freight plan is being developed?

- · Capacity projects
- · Modernization projects
- · Safety projects
- Technology/ITS strategies
- Coordination strategies



#### Question 6:

What current trends do you think will have a lasting impact on Montana's freight system?

- e-Commerce
- · Renewable energy
- · Increased shipping costs
- COVID-19 disruptions
- · Others?



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#### **Breakout Discussion**

#### Question 7:

When it comes to technology and data sharing, what data or technology could improve freight movement in Montana?

- Road Weather Information System (RWIS)
- Dynamic Messaging Signs (DMS)
- 511 (e.g., weather/roadway information)
- · Other?



#### Question 8:

Are there any other freight-related issues that you would like to discuss?



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#### **Break**

• 5 minutes

#### **Group Report**

- Group 1, moderated by Andreas and Wade
- Group 2, moderated by Lizzie and Chris
- Group 3, moderated by Brent and Joe

Group report: What are the main themes and issues identified by each group?

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#### **Next Steps**



Draft of final plan for stakeholder review: August 2022

# **Thank You**

• Please take our survey or send link to others you think would be interested.



https://www.surveymonkey.com/r/mdtfreightplan

• Please submit any additional thoughts you may have, to:

Hkuklo@mt.gov
Brent.Crowther@kimley-horn.com

 For more information, and project updates, head to www.mdt.mt.gov/freightplan/