

CDOT Statewide Transportation Advisory Committee (STAC) - Follow-up Webinar

February 14, 2019



Colorado Aviation System Plan
and Economic Impact Study

Discussion Topics

- Brief Introductions
- Quick Project Overview
 - Colorado Aviation System Plan (CASP)
 - Colorado Aviation Economic Impact Study (CEIS)
- Multimodal Planning Process
- Regional Transportation Issues
- Questions/Feedback

Project Team

- CDOT Aeronautics
- Kimley-Horn
- EDR Group
- KRAMER aerotek



What comes to mind when you think of your local Colorado airport(s)?



2018 Colorado System Plans



**Colorado Aviation
System Plan**



**Colorado Aviation
Economic Impact Study**



**Colorado Aviation System Plan
and Economic Impact Study**



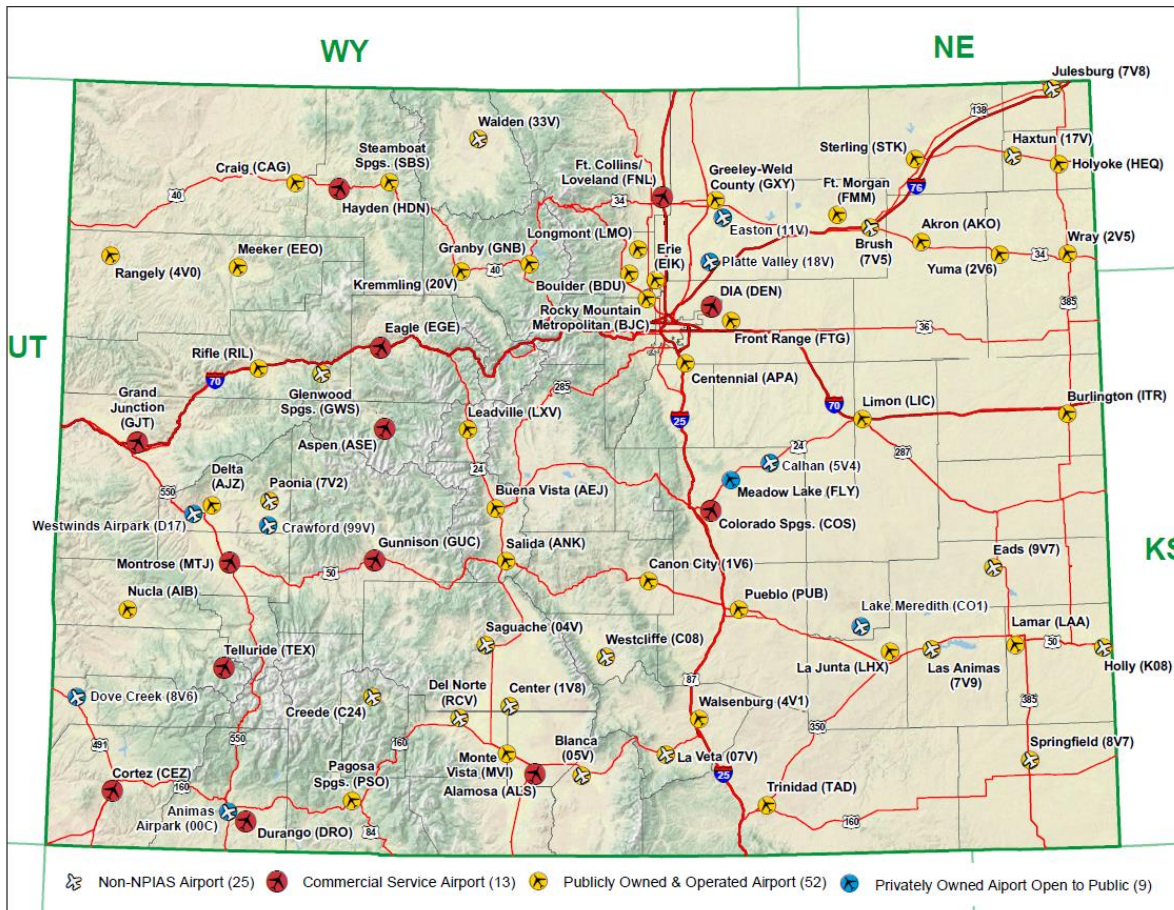
Colorado Aviation System Plan

CASP

CASP Background

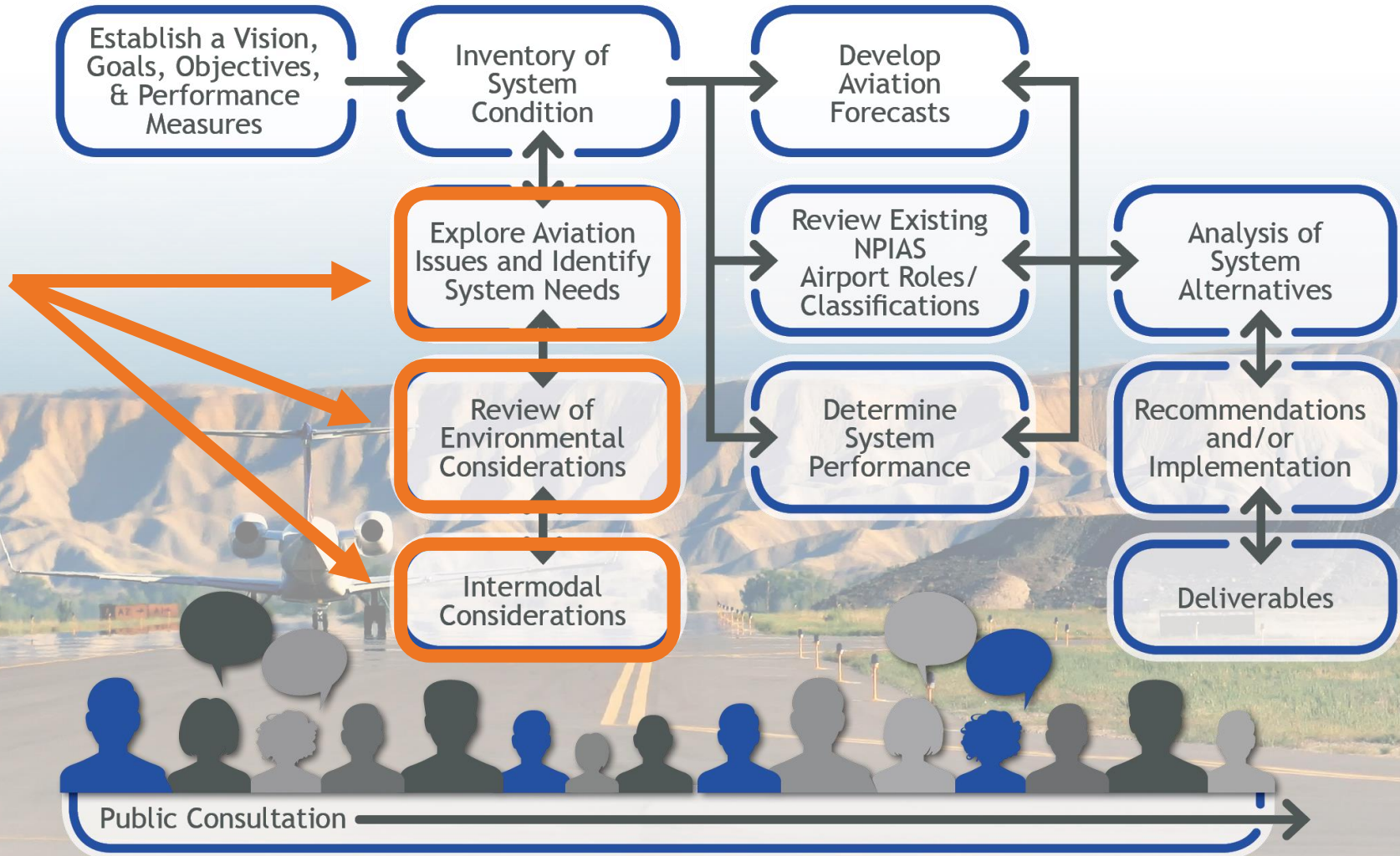
- Fresh approach to CASP based on recent FAA guidance and CDOT's 2018 Strategic Plan
- Last CASP completed in 2011
- FAA Advisory Circular, 150-5070-7, *The Airport System Planning Process*, updated in 2015
 - Requires coordination with appropriate state and metropolitan planning organizations regarding intermodal access
 - Airport sponsors should be active participants in the development of transportation plans and improvement programs
 - Encompasses coordination with surface, rail, and transit modes
- FAA recommends updating system plans every ~5 years

Purpose of an Aviation System Plan



To provide a framework for the integrated planning, operation, and development of Colorado's aviation assets

CASP Process - NEED YOUR INPUT





Colorado Aviation Economic Impact Study

CEIS

What is an Airport Economic Impact Study?

Conveys the **economic importance** of airports and how airports generate benefits for Colorado citizens

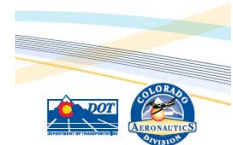


CEIS Analysis

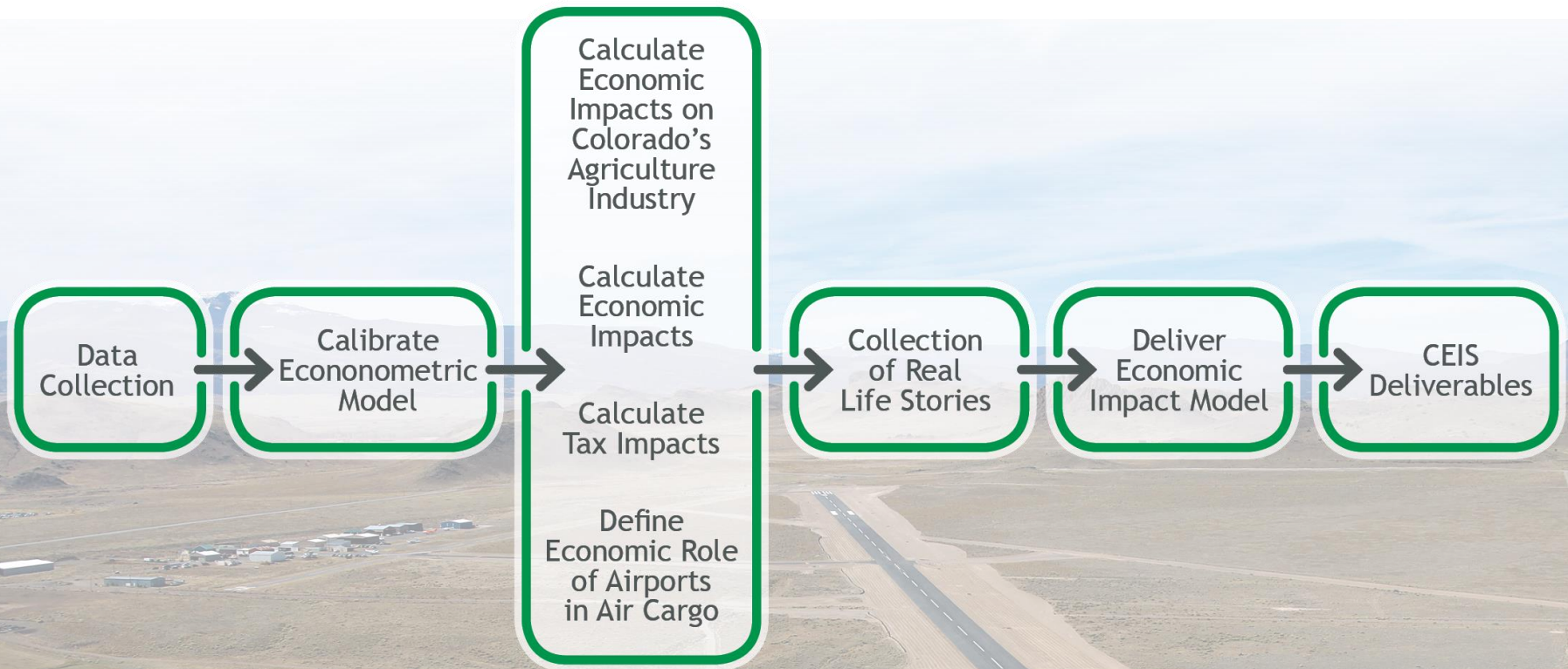
- Quantitative data analysis and results
- Focus on qualitative stories
- Impacts:
 - Statewide
 - Denver International
 - Each individual airport



265,700 jobs
 \$12.6B in payroll
 \$36.7B in output



CEIS Process





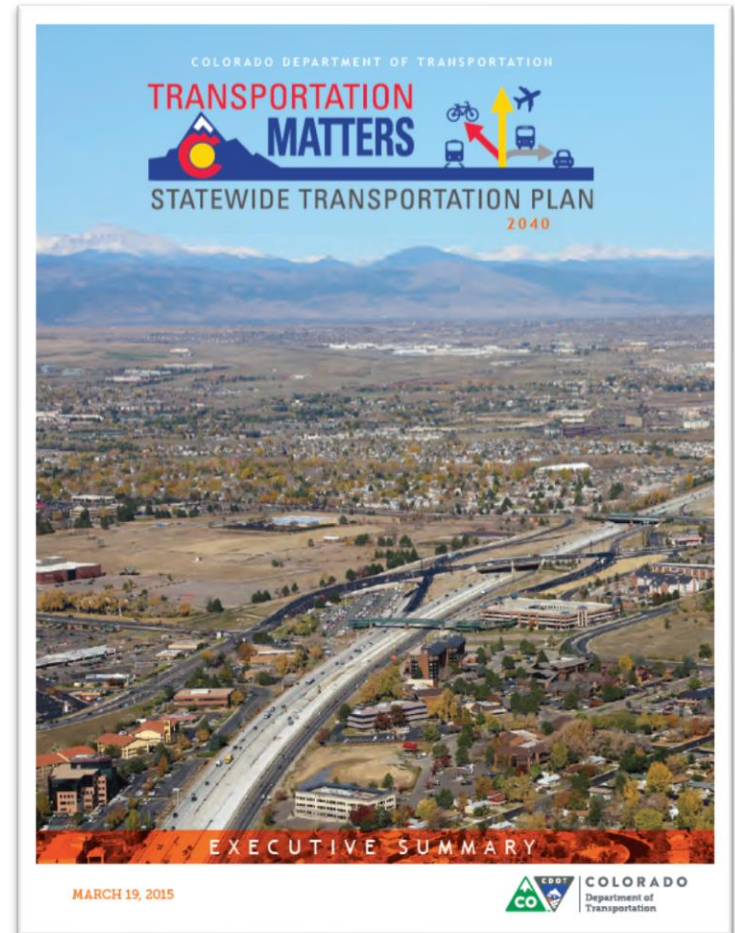
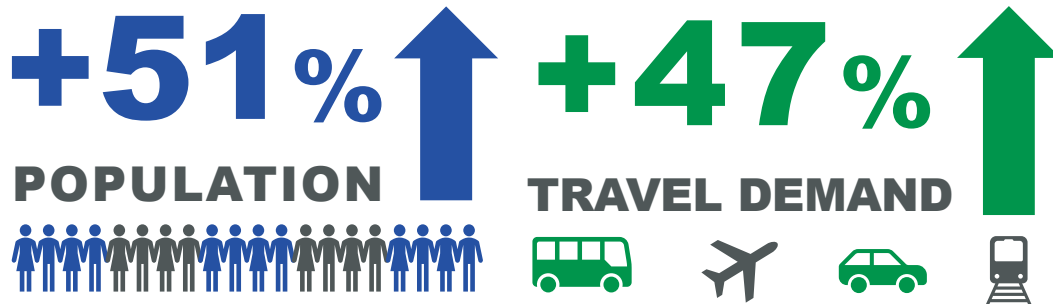
Multimodal Planning Process and Goals

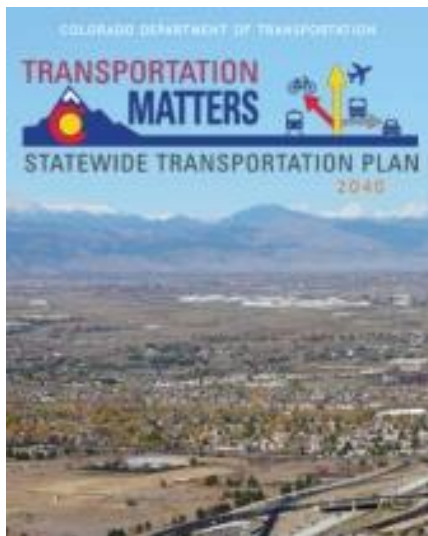
Multimodal Planning Benefits


- Improves transportation choices
- Enhances the ability of travelers to efficiently and safely access their destinations
- Reduces the environmental footprint of travel
- Reduces cost for the user if acceptable public transportation be available
- Helps maximize available CDOT funds when money can be allocated based on the potential for system-wide improvements
- Others?


Statewide Transportation Plan

- Determines statewide multimodal transportation needs (latest publication 2025 - 2040)



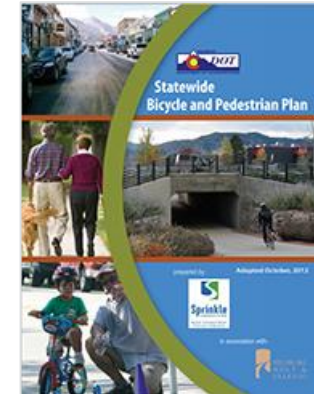
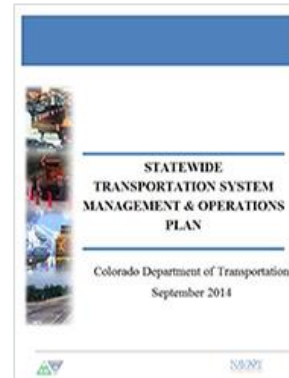
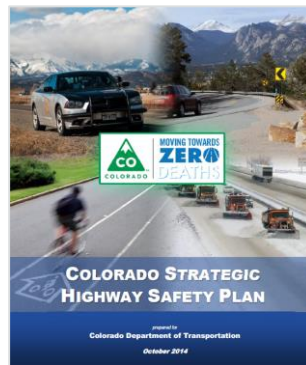
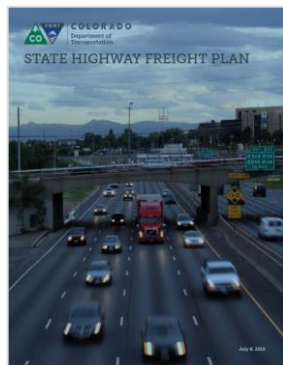
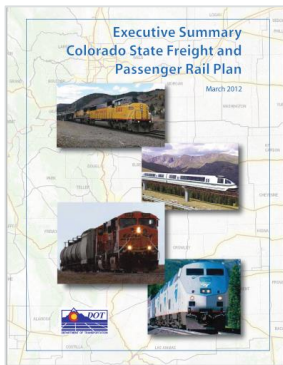



2018 Strategic Plan
Colorado Department of Transportation
Division of Aeronautics

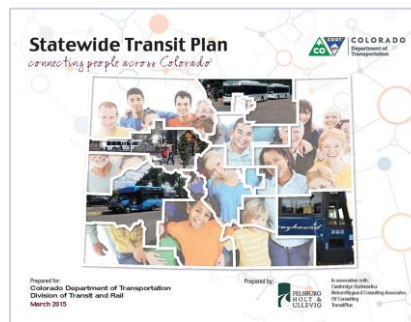
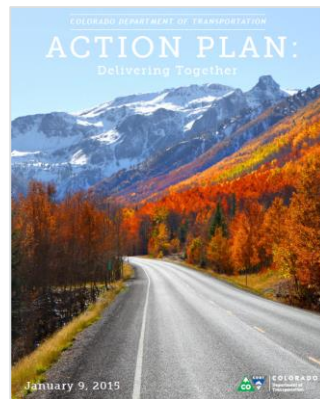
Facilitated By:

January 22, 2018



Existing Relevant Plans



Ten rural Regional Transportation Plans



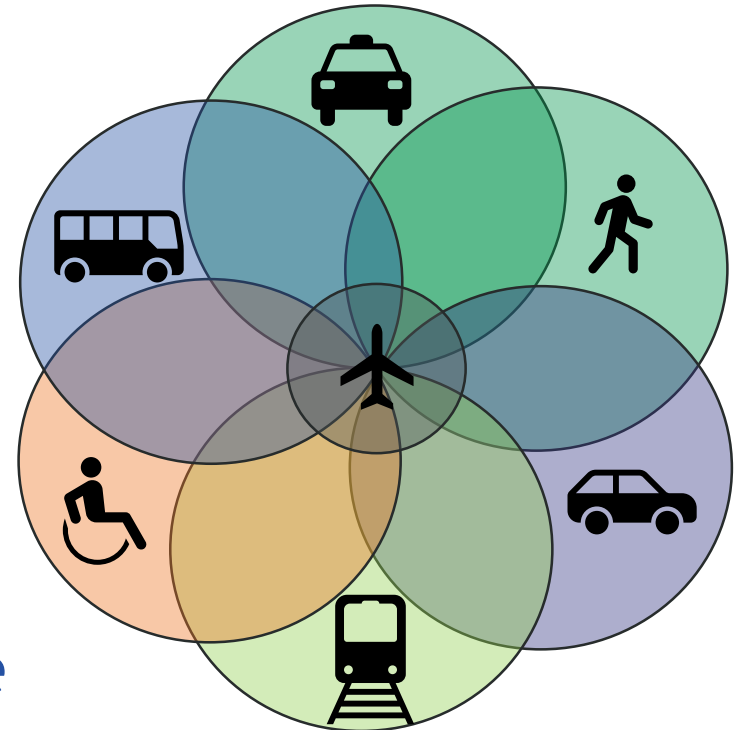
Five Metropolitan Planning Organization (MPO) Plans



What other plans or efforts might inform the CASP?

Discussion

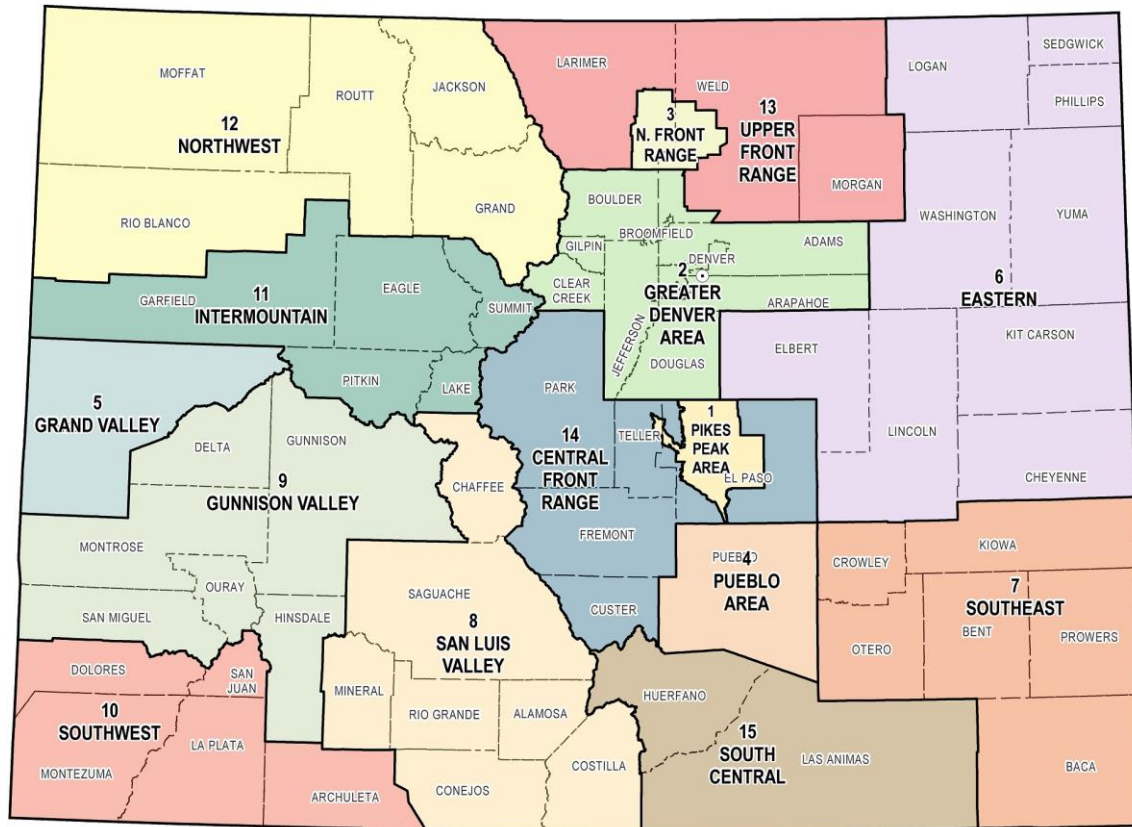
- What does CDOT need to consider to improve regional multimodal transportation within Colorado?
- How could planning efforts be better aligned at statewide and local levels?
- What significant intermodal access changes or issues should we know about (surface, rail, transit)?





Regional Transportation Issues

CDOT Planning Partners



- Ten Transportation Planning Regions
- Five MPOs
- Regional Planning Commissions
- Statewide MPO Committee
- Transit and Rail Advisory Committee
- Freight Advisory Council

Discussion

- How does the aviation system interact with or affect your region's transportation system and/or other activities in your region? Consider:
 - Commercial service
 - General aviation, including emergency response
 - Military
 - Air cargo
 - Business development/retention
- From your perspective, what do airport sponsors need to understand during their capital improvement processes?
- How can we facilitate communication among regional transportation partners, including airports?

Major Aviation Trends

- NextGen
- Land ownership
- Political climate
- UAS
- Access
- Pilot shortage
- Development encroachment
- Urban VTOL aircraft
- Noise
- Changing general aviation landscape
- Autonomous vehicles
- Sustainability
- Geography
- Electric aircraft
- Funding

Modal Trends



Trends affecting your mode or divisions

- Technology (e.g., UAS, automated vehicles, ride sharing)
- Socio-economic factors
- Population distribution (i.e., rural versus urban growth)



Challenges affecting development

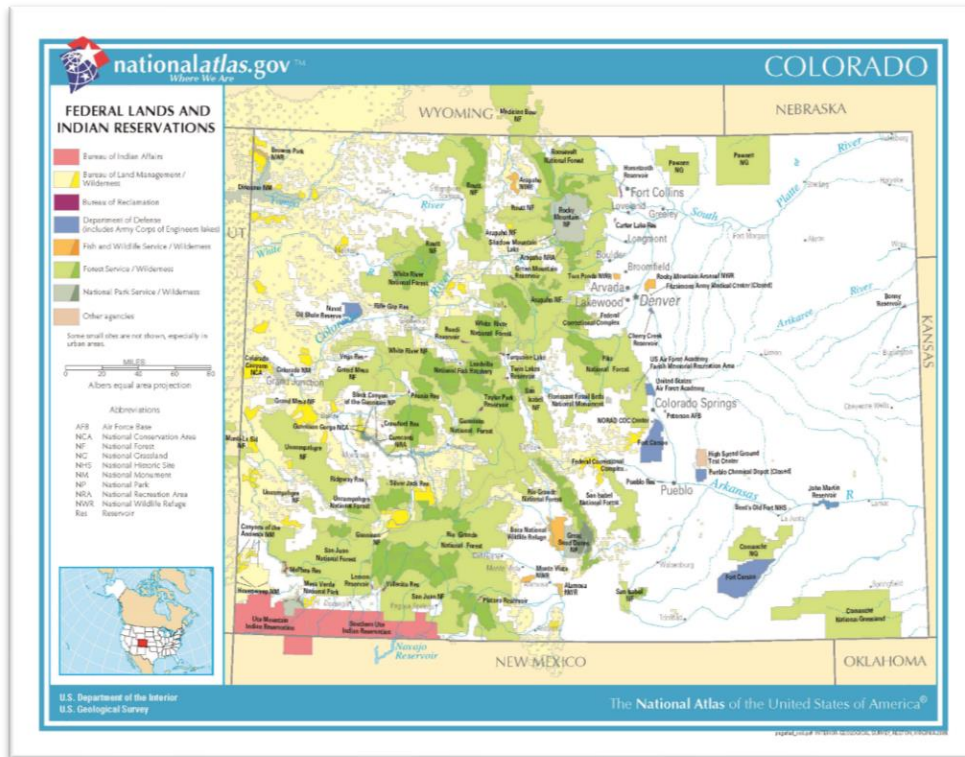
- Natural and human disasters
- Changing state and/or federal regulations
- Population growth rates



Best practices for consideration

- Capital investment funding and programming (e.g., funding prioritization)
- Interagency coordination and communication

Environmental Considerations



- Air/water quality
- Public lands
- Endangered species/critical habitat
- Floodplains
- Cultural resources
- Wetlands
- Waters of the U.S.



Discussion

- What are the major environmental concerns that should be identified and considered?
- What trends do you anticipate affecting the future of transportation in Colorado most significantly?
 - Big-picture environmental considerations
 - Anticipated significant demographic or economic changes
 - Major new businesses or industry sectors being sought
- What does CDOT's Division of Aeronautics need to consider from your perspective?



Accomplishments and Next Steps

Today's Accomplishments

- Provided brief overview of CASP and CEIS
- Discussed the importance of regional transportation and multimodal planning
- Identified the key trends affecting the future of transportation in Colorado
- Discussed aviation's impact on your region
- Articulated strategies to improve the integration between the aviation system and regional transportation partners

Next Steps

- Continue CASP/CEIS study analyses
- Identify areas to integrate meeting results into final deliverables

For More Information



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 **Colorado Aviation System Plan and Economic Impact Study**

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[CEIS](#)
[Surveys](#)
[Updates](#)
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Overview

The Colorado Aviation System Plan (CASP) and Colorado Aviation Economic Impact Study (CEIS) are two critical tools used to assist the Colorado Department of Transportation's (CDOT's) Division of Aeronautics as they execute their roles and responsibilities supporting the Colorado Aeronautical Board (CAB). It's essential to keep these tools up-to-date as they are used to support decision making. The Division of Aeronautics last completed the CASP and CEIS in 2011 and 2013, respectively. For this current update, the Division of Aeronautics is seeking a fresh start for the CASP and CEIS considering all of the changes that have occurred in the state and in aviation. Innovative approaches to coordination and outreach during the study, analysis techniques, and presentation of results are all important components of the new CASP and CEIS efforts.

Public Input

www.coloradoaviationsystem.com

Questions? Feedback?

Thank you for your participation!

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