

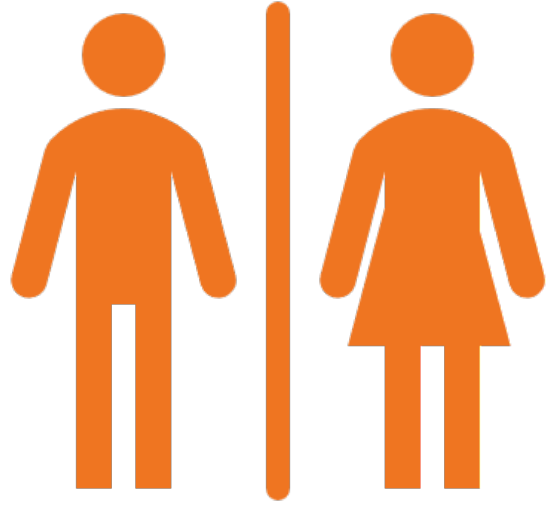


COLORADO

Department of Transportation

Mountain Rail Study Public Open House Meetings December 2024

Safety & Housekeeping





Agenda



- Recap of October open houses, project objectives, timeline, and what we heard
- Vision 2035 and transportation roles & responsibilities
- Final service options and potential phasing
- Station location details
- Train types and propulsion technology
- Capital and operating cost estimations
- Fare structure
- Next steps



October Open Houses - Recap & What We Heard



Information Presented

- Three open houses were held from Oct. 27 to Oct. 29 through the corridor (Hayden, Fraser, and West Metro).
- Provided an overview of the project, discussed potential station locations, phased implementation, high-level service pattern options, funding, timeline, and next steps.
- Addressed public inquiries during the presentation and through small group discussions.





Mission & Objectives

Enhance passenger rail connectivity between Denver and Craig



Improve reliable, safe and congestion-free, mobility and multimodal travel options



Connect diverse communities with unique needs



Foster economic vitality through improved transportation equity and a just transition away from fossil fuels



Support environmental goals including greenhouse gas (GHG) reduction



Timeline



Ongoing stakeholder engagement opportunities continue past service plan development



Vision 2035: Colorado's Transportation Future

A bold, forward-looking plan for expanded transit services, enhanced transportation options, and increased transit-oriented development that improves Coloradans' quality of life and environment.



Ensures safe travel, whether by driving, walking, biking, or taking transit



Saves people money and time by improving access to more affordable and reliable transportation options



Addresses transportation inequities for rural and urban communities alike



Reduces congestion on our roads, improves safety, and improves both air quality and public health



Vision 2035: Colorado's Transportation Future - Federal

Vision 2023 Goal: Double transit and rail ridership

Federal

- Congress passed bold infrastructure legislation - IIJA and IRA (“Infrastructure Investment and Jobs Act” and “Inflation Reduction Act”) making critical investments in transitioning the transportation sector to lower emission options.
- Congress can allocate funding for state Departments of Transportation to fund their transportation systems.
- Additionally, the Federal government has jurisdiction over some forms of transportation, i.e. aviation, preventing the State from taking action to reduce emissions and other regulations.



Vision 2035: Colorado's Transportation Future - State

Vision 2023 Goal: Double transit and rail ridership

State

- The State has invested in an intercity bus system - Bustang, Snowstang, and Outrider - and has seen an increase in ridership with an increased investment to enhance mobility and frequency.
- The state has also secured nearly \$200M in new, annual revenue for transit and rail services. Portions of this revenue can be granted to locals for their transit systems from CDOT via the Clean Transit Enterprise ("CTE").



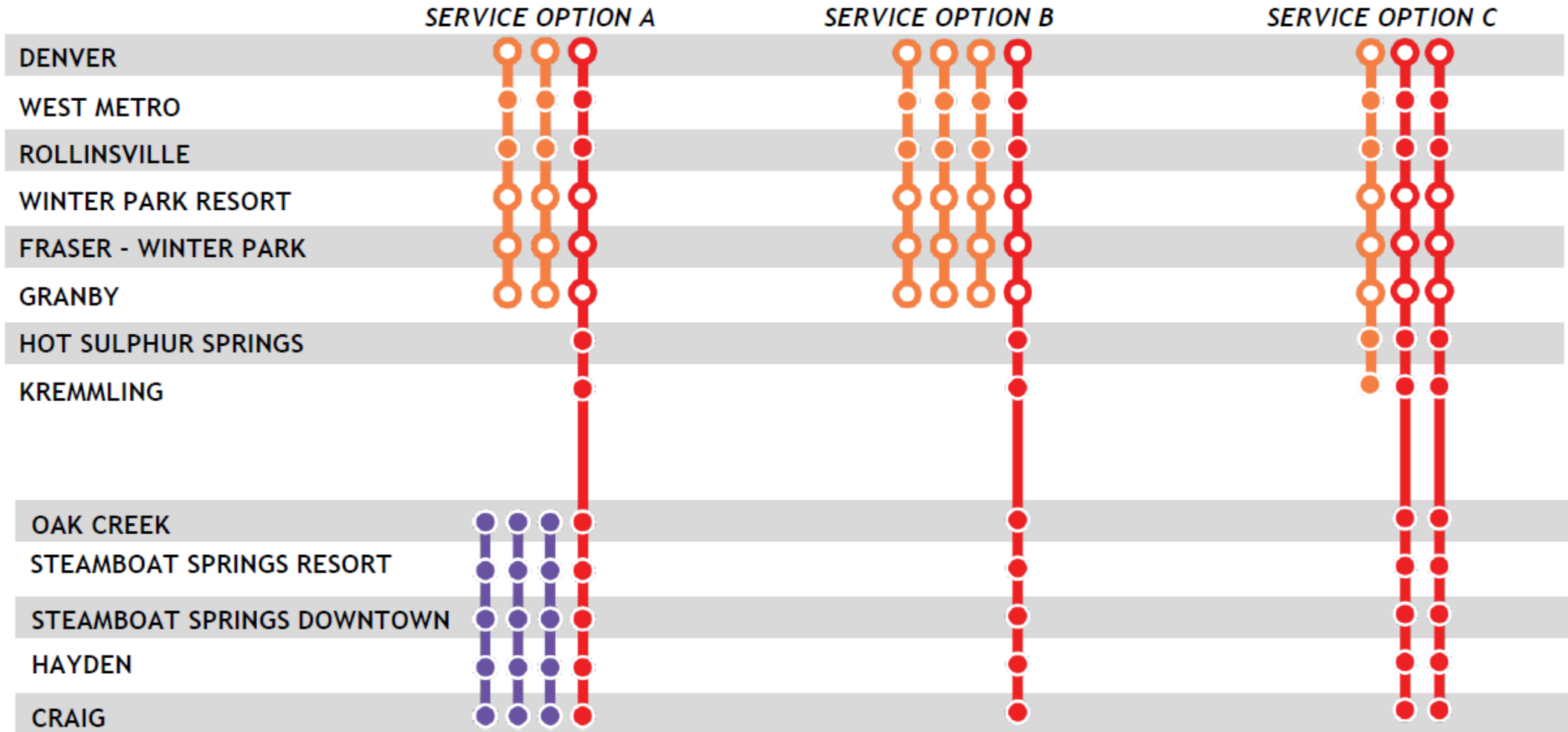
Vision 2023 Goal: Double transit and rail ridership

Regional and Local

- At the regional and local level, expanding and improving transit and rail service is critical to meeting statewide transit and climate goals.
- Local governments can form Regional Transit Authorities (“RTAs”) to operate and fund local transit systems to meet the needs of their communities and integrate into the statewide transportation network.
- Complementary land use policies will also support meeting statewide goals by integrating housing around and near transit.



Final Service Options



Daily Round Trips:

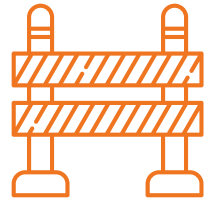
- Local Pattern
- Short Pattern
- Long Pattern

Existing Stations ○ ○

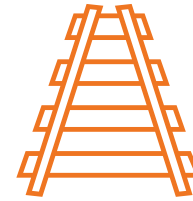
Potential Stations ● ● ●



Recap - Station Screening Criteria



Station
Constraints



Railroad
Operations

Regional
Connectivity

Economic
Development

Environmental
Sustainability

Multimodal
Choice

Existing
Infrastructure



Connections to
Activity Centers



Development
Potential



Natural and Built
Environment



Transit
Access



Parcel
Considerations



Access, Parking,
and Circulation



Zoning
Considerations



Social Equity and
Resilience



Multimodal
Connections



Construction
Complexity



Trainset Types



Locomotive-Hauled



Push-Pull



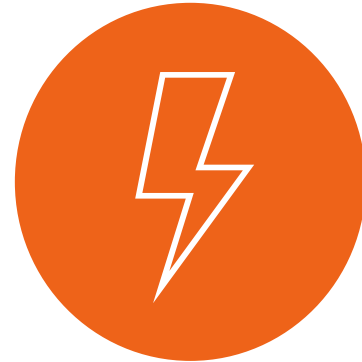
Multiple Unit



Train Propulsion Technology

Types of Propulsion Technology

Diesel-Biodiesel



Electric

Battery-Electric



Hydrogen

**Diesel options may be utilized first to provide service sooner, with alternative fuel options phased in over time.*



Capital Cost Estimation Elements



Right-of-Way



**Mainline Track
& Sidings**



**Upgrading Existing
Infrastructure & Systems**



**Station
(Platform & ADA Access)**



**Operations &
Maintenance Facility**

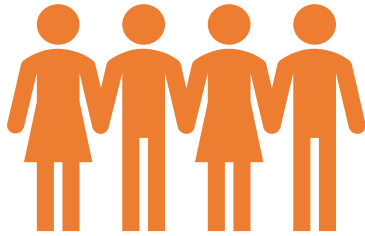


**Layover &
Cleaning Facility**

**Specific cost studies are ongoing and will be published at a later date*



Operating Cost Estimation Elements



Labor Costs - Train Crews, Maintenance Crews, Operations, etc.



Utility Costs



Materials Costs - Parts, Fuel, etc.



Administration



Contracted Services

**Specific cost studies are ongoing and will be published at a later date*



Fare Structure



Fare Structure Preferred Option

Distance-Based

- Simplest fare structure to understand and use
- Fairest allocation of fares across the line
- Balances short and long-distance cost



Potential Discounts, Passes, and Packages

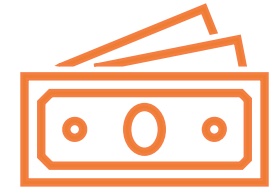
Range of discounts offered to make travel more affordable:

- Multi-ride passes
- Non-time limited passes
- Stored value options and bundled packages
- Senior discounts
- Resident discounts



Additional Fare Structure Options

- Zone-Based
- Regional and Local System

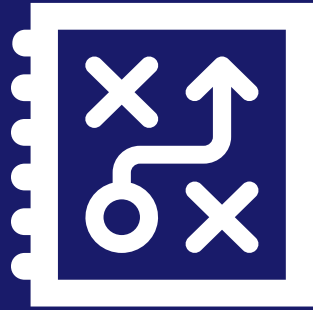


Ticket Price Considerations

- Simplicity
- Fairness
- Balance short- and long-distance trip cost
- Match peer systems across the US



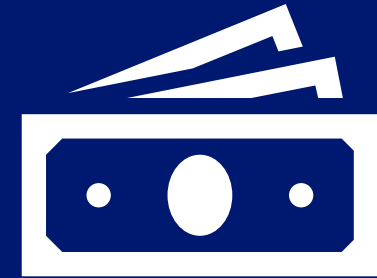
Next Steps



Publish
Final Service
Development Plan



Support Local
Station Area
Planning

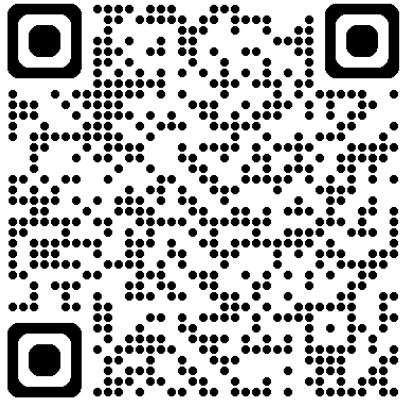


Continue SDP
Development



Stay Involved!

Stay updated by checking the project website



Scan QR code
to view the
website



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