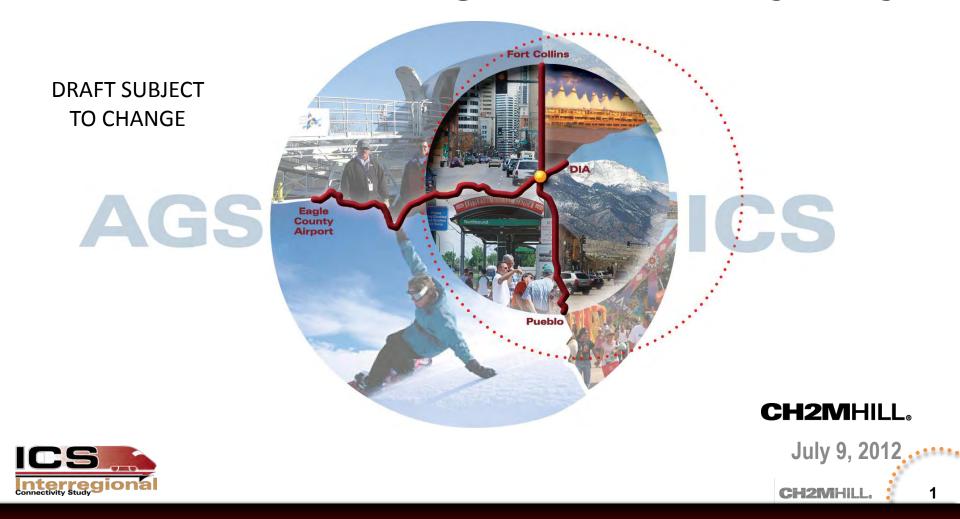
Project Leadership Team (PLT) Meeting #2 CDOT Interregional Connectivity Study



Welcome & Introductions

Welcome remarks

- CDOT Management Team
- Interregional Connectivity Study (ICS) & Advanced Guideway System (AGS) teams

Introductions

- Phone participants
- PLT member & visitors
- Name & organization (brief)

Meeting Logistics

- Restrooms
- Emergencies
- Cell phones



PLT Agenda Review

- Welcome & introductions
- Recap PLT meeting #1
- Details of upcoming public meetings
- Milestone #1 results
- Next steps & concluding comments



Meeting Ground Rules

Role of the Facilitator

- Keep team on schedule
- Keep the team focused
- Parking lot

Role of All Active Participants

- Treat each other with respect
- Listen when others are speaking
- Be mindful of time limits
- Leave personal agendas at door
- Keep an open mind
- Surface concerns
- Focus on the meeting purpose





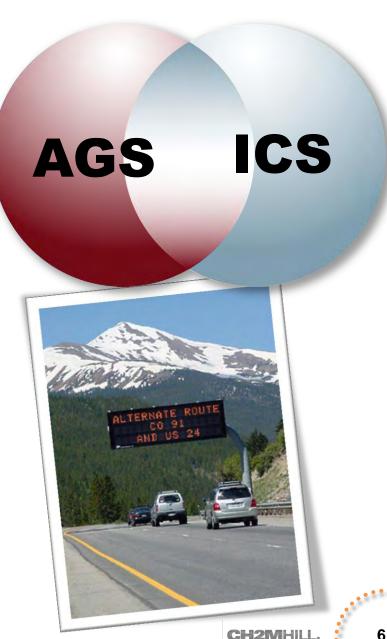


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Recap PLT Meeting #1

Key Accomplishments

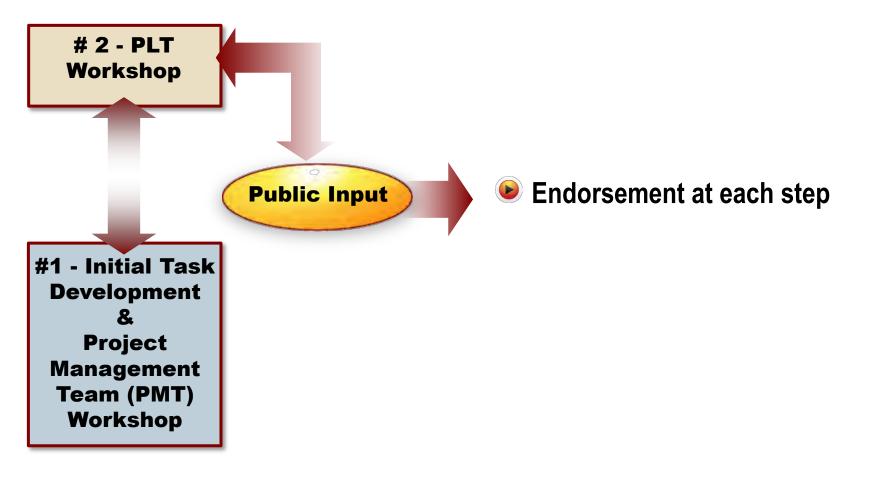
- Reviewed relationship between ICS and AGS studies
- **Confirmed Project Vision based on** State Rail Plan
- Group discussion of:
 - **Project goals**
 - **Project risks**
 - Avoidance & mitigation of risks
- Reviewed draft fatal flaw criteria
- **Discussed initial Purpose and Need**





Upcoming Public Open Houses

Each Screening Step Is Endorsed By Three Levels Of Governance...





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Meetings In Your Area

Colorado Springs Area July 16, 2012 4:00pm to 7:00pm Pikes Peak Area Council of Governments - 15 South Seventh Street, Colorado Springs, CO

Pueblo Area July 17, 2012 4:00pm to 7:00pm Pueblo Convention Center - 320 Central Main St., Pueblo, CO Fort Collins Area July 18, 2012 4:00pm to 7:00pm Windsor Recreation Center - 250 North 11th Street, Windsor, CO

Denver Metropolitan Area July 19, 2012 4:00pm to 7:00pm CDOT Region 1 Offices - Trail Ridge Room -425 C Corporate Circle, Golden, CO



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Public Workshop Opportunities For Input

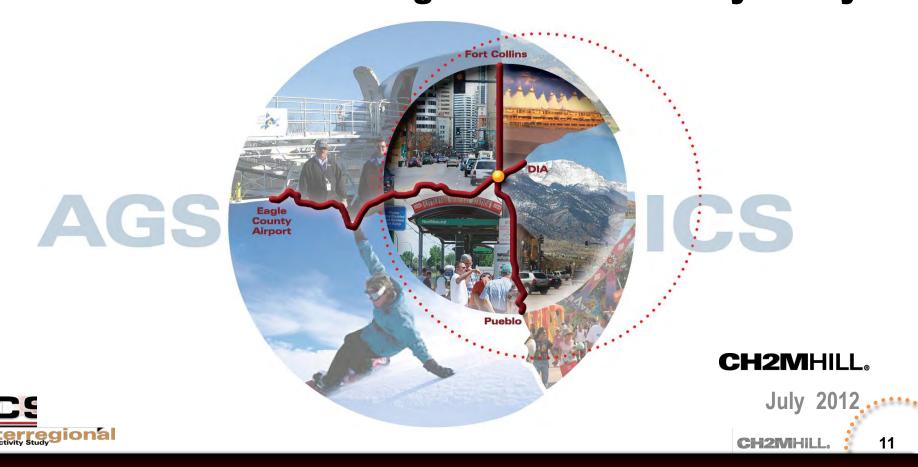
- Presentation
- Informational boards
- Alignment maps sticky notes
- Electronic map stations
- Electronic comment stations
- Comment forms
- Engage with project staff







Public Workshop No.1: Goals, Criteria & Initial Alternatives CDOT Interregional Connectivity Study



Successful Alternatives Fulfill The Purpose & Need

Purpose:

The purpose of the ICS project is provide Colorado with a well supported modal option for the State's transportation network that connects communities and destinations for interregional business and tourism travel; builds on and strengthens Colorado's existing transportation infrastructure; supports the State's Vision, as articulated in the 'State Rail Plan'; and offers statewide social, environmental, and economic benefits that are greater than the capital and operating costs of its implementation.

Needs:

- Address the mobility demands of future population growth.
- Improve mobility through provision of a travel option.
- Enhance economic development through improved connectivity.
- Improve the State's environmental quality and energy efficiency.
- Provide economic benefits sufficient to receive new funding sources.



The Range of Alternatives Tests Performance

Developing Alternatives



Built from past studies

- Rocky Mountain Rail Authority Study (RMRA)
- State Rail Plan
- RTD System
- I-70 Mountain EIS
- North I-25 EIS
- East Corridor EIS

2

- Federal Railroad Administration guidance
 - Speed requirements
 - Operational requirements
 - Safety requirements
 - Stations & station spacing
 - Alternatives analysis evaluation criteria



Logic For Configuring Scenarios

- Start with connections to the airport and Denver Union Station
 - Identify alignments through Denver
 - Identify alignments traveling outside of the Denver metro area
- Test a reasonable range of options
 - 14 stations assumed
 - Alignments outside of Denver based on past studies
 - Modeling two alignments for the AGS study

Refine Alternatives

Based on ridership, environmental and engineering studies

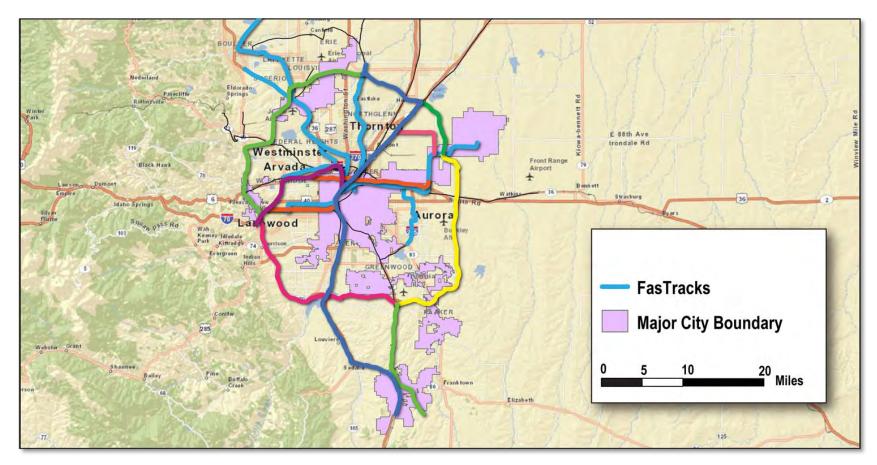


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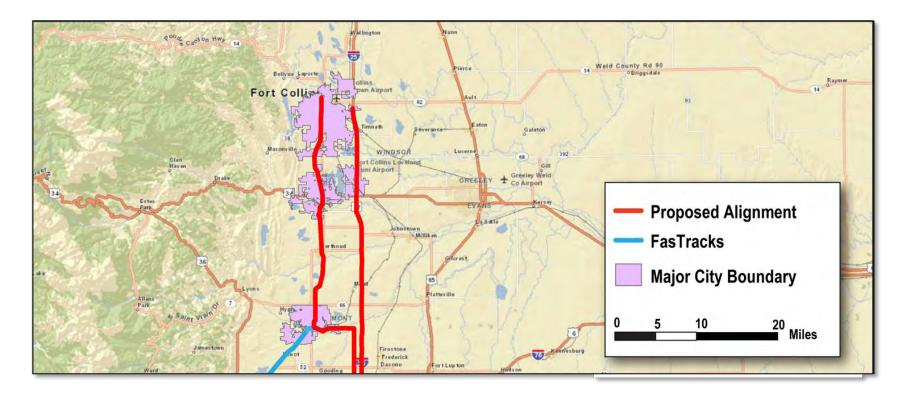
Alignments Being Studied In The Denver Metro Area





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Initial Alignments To Fort Collins



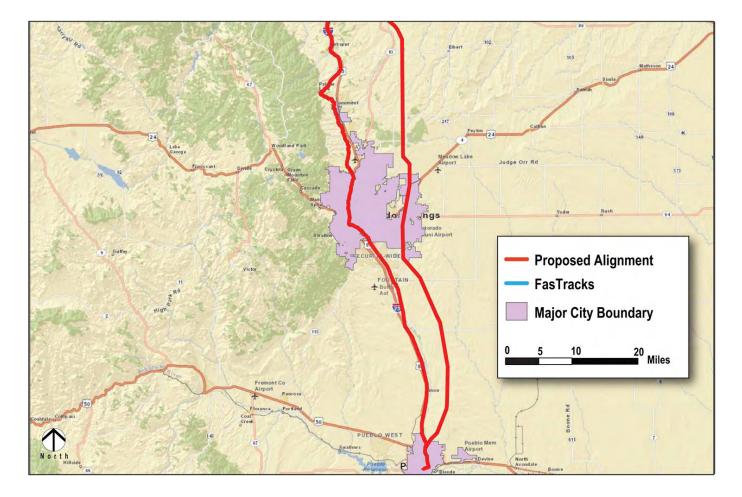


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Alignments Being Studied To Colorado Springs & Pueblo



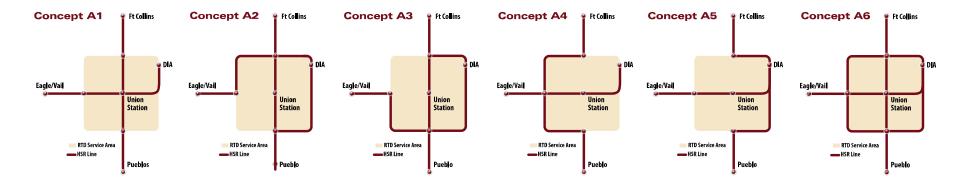


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Group A: Does Not Utilize The RTD System In The Denver Metro Area (One Seat Ride)



Advantages

- Generally shorter
- Probably faster
- One seat ride to DUS & DIA

Disadvantages

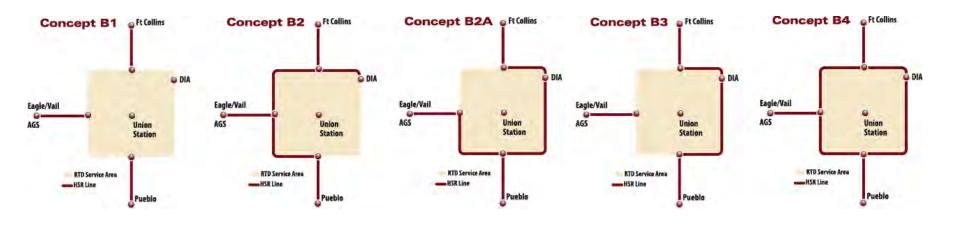
- High cost per mile
- Requires aerial structure
- Higher community impacts
- May compete with RTD



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Group B: Utilizes RTD System To Travel Within The Denver Metro Area



Advantages

- Generally lower cost
- Less construction impacts
- Potentially easier to implement
- Uses RTD infrastructure

Disadvantages

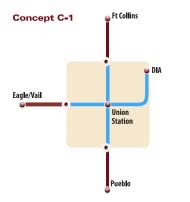
- Not as fast inside Denver
- Probably lower ridership
- No one seat ride to DUS
- Fewer economic benefits



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Group C: Utilizes RTD Track For High Speed Rail Through The Denver Metro Area



<u>Advantages</u>

- One seat ride to DUS & DIA
- Less construction impacts
- Potentially easier to implement
- Uses RTD track

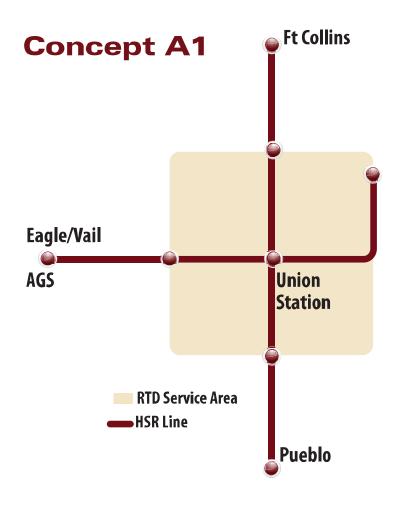
Disadvantages

- Not as fast inside Denver
- Operational challenges working on RTD track
- Fewer economic benefits



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A-1: Direct Routing Through Denver





Advantages

- Shortest and possibly fastest
- Could use DUS or an alternative central station

Disadvantages

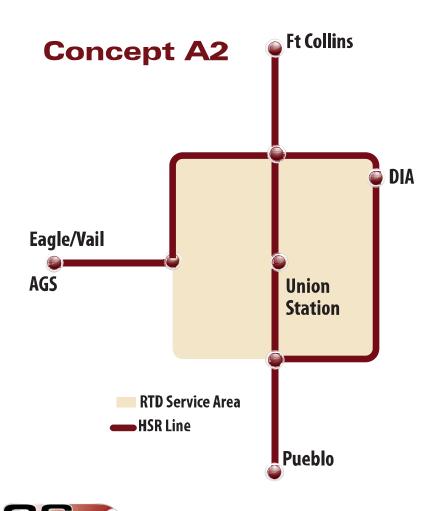
- High community impact
- High per mile cost

Recommendation

Model this alternative as a comparison to the beltway alignments

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A-2: Beltway Excluding SW Quadrant





- Avoids difficult construction and impacts through Denver
- Provides a one seat ride to DIA

Disadvantages

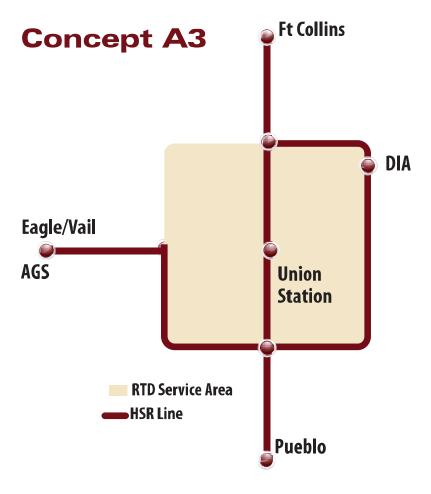
- NW Quadrant challenges
- Longer and probably slower trip to DIA from the west

Recommendation

 Second priority due to NW Quadrant challenges



A-3: Beltway Excluding The NW Quadrant



Advantages

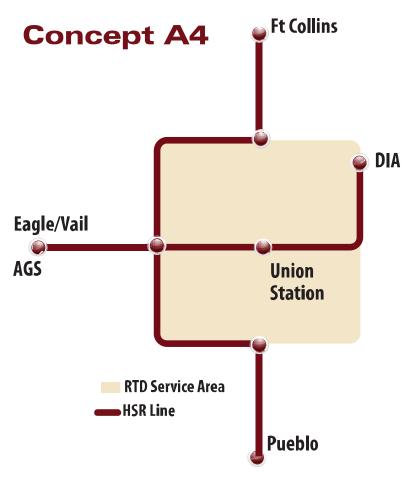
- Avoids controversial NW Quadrant
- Avoids high cost E-W construction through Denver

Disadvantages

- Complicated connection at west Denver
- Long trip to DIA for mountain communities
- Recommendation
 - Second priority due to long trip from mountains



A-4: Western Beltway



ICS Interregional

Advantages

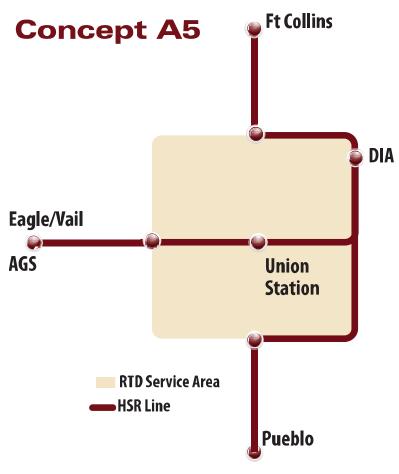
- Avoids the N-S alignment through Denver
- Anticipated to be a lower cost alternative compared to other A series alternatives

Disadvantages

- Poor access to DIA from the north and south
- NW Quadrant controversy
- High costs and impacts for the E-W alignment
- Recommendation
 - Second priority due to environmental issues and poor access to DIA from north and south



A-5: Eastern Beltway





Advantages

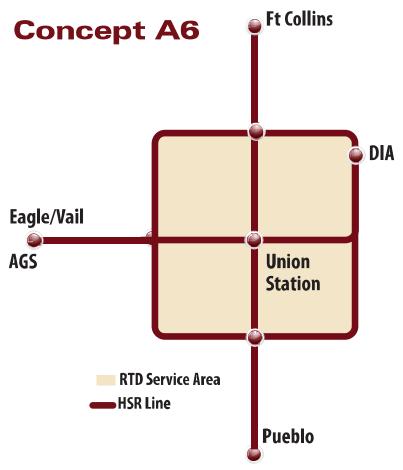
- Lowest cost A series alternatives
- Avoids the NW Quadrant controversy
- Good access to DIA

Disadvantages

- Poor access to the mountains from the north and south
- High impact E-W alignment
- Recommendation
 - Recommended for modeling due to low cost and mobility advantages

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A-6: Complete Beltway



Advantages Provides highest mobility options

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Possible highest ridership

Disadvantages •

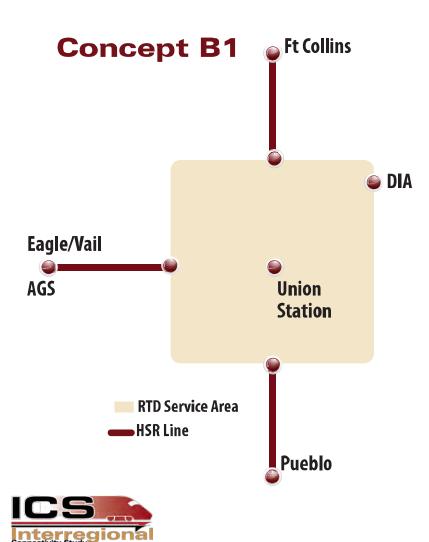
- Highest cost
- Highest environmental impact
- NW Quadrant controversy

Recommendation •

 Recommended for modeling as it provides a test case for the highest ridership



Alternative B-1: Utilize RTD System



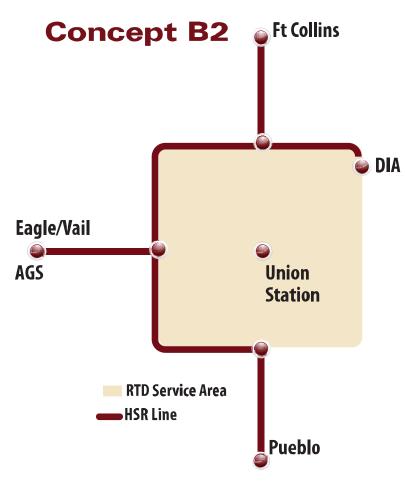
Advantages

- Low cost
- No impacts
- Uses RTD infrastructure for collection/distribution

• Disadvantages

- No "one-seat ride" in any direction
- Slow travel time
- Recommendation
 - Second priority model C-1 as a better example of use of RTD's system

B2: Utilize RTD System : Excluding The Southeast Quadrant



ICS Interregional

Advantages

- Good connection to DIA from the north and west
- Good connection to the mountains from the south and north

Disadvantages

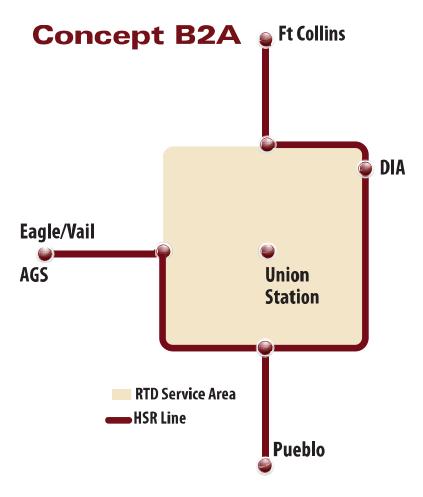
- NW Quadrant environmental issues
- Poor connection to DIA from the south

Recommendation

- Secondary priority high environmental challenges are anticipated
- Poor connection to DIA from the south

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B2A: Utilize RTD System: Excluding The NW Quadrant



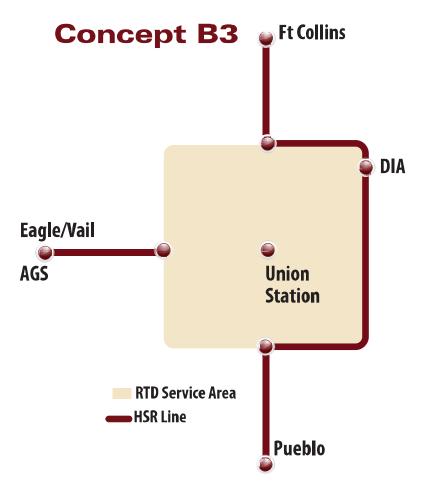


Advantages

- Good connection to DIA from the north and south
- Avoids the NW Quadrant controversy
- Disadvantages
 - Access to DIA from the mountains may be slower
- Recommendation
 - Recommended for modeling
 - Provides good access to DIA (north and south population centers)
 - Avoids the challenging NW quadrant

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B-3: Utilize RTD System: Eastern Boundary





Advantages

- Good access to DIA from north and south
- Lower cost that B-2 or B-2A
- Avoids the NW Quadrant

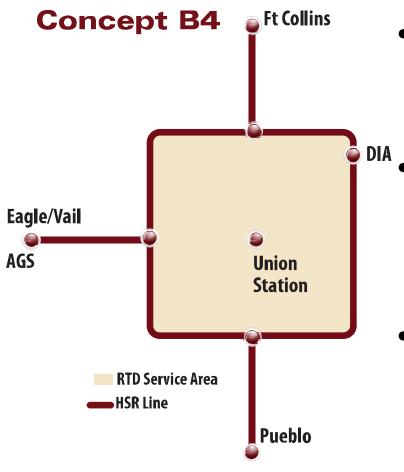
Disadvantages

Poor access from the mountains to the DIA

Recommendation

 Second priority - essentially no connection to Denver metro area and DIA from the west.

B-4: Utilize RTD System: Complete Beltway





Advantages

- Best use of RTD system
- Provides high mobility options

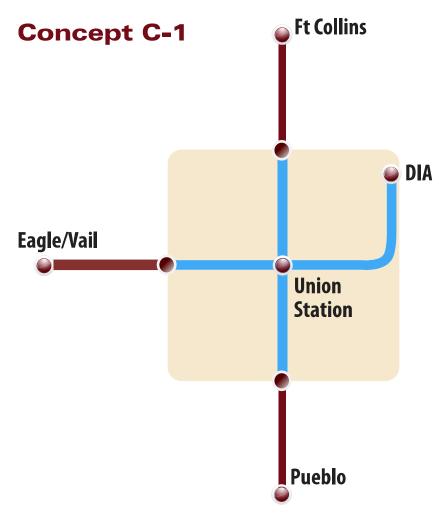
Disadvantages

- Highest cost of the B series alternatives
- NW Quadrant controversy

Recommendation

 Secondary priority - A-6 provides the best test for a maximum mobility scenario.

C-1: RTD Shared Track



ICS Interregional

Advantages

- Shares track with RTD
- One seat ride to DIA
- Capitalizes on existing infrastructure

• Disadvantages

- Complicates operations
- Issues with technology

Recommendation

 Recommended for modeling - is one of the lowest cost alternatives and allows the use of RTD infrastructure with a one seat ride.

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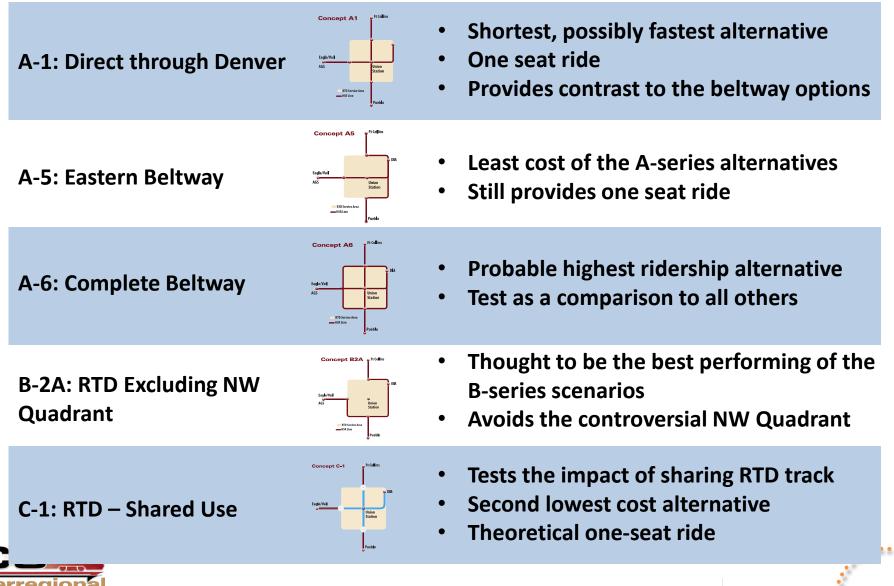
Based On The Fatal Flaw Studies We Have:

- An understanding of the pros/cons of the alignments
- 5 of 11 possible scenarios to be modeled
- 2 scenarios to be modeled for the AGS study
- Found that:
 - Any alignment through Denver has many impacts
 - Alignments outside of Denver have comparatively fewer impacts
 - Acceptance of any of the candidate alignments is unknown
- No technologies have been eliminated from the Greenfield alignments

Using railroad right of way will limit technology options



Best Performing Options Summary



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The Best Alternative Cannot Be Developed Without Your Input:

Clarifying Questions & Answers

Seeking Input From The Public On...

- Project purpose and need
- Goals & evaluation criteria
- Reasonable range of alternatives
- Other comments or concerns
- How we can be more effective



Next Steps

ICS & AGS Next Steps – 3 Month Outlook

ICS:

- Define approach to ridership
- Finalize fatal flaw alignment & evaluation scenarios
- Public meetings July 16 to 19, 2012
- Advance level 2 screening
- Ongoing PLT/PMT coordination

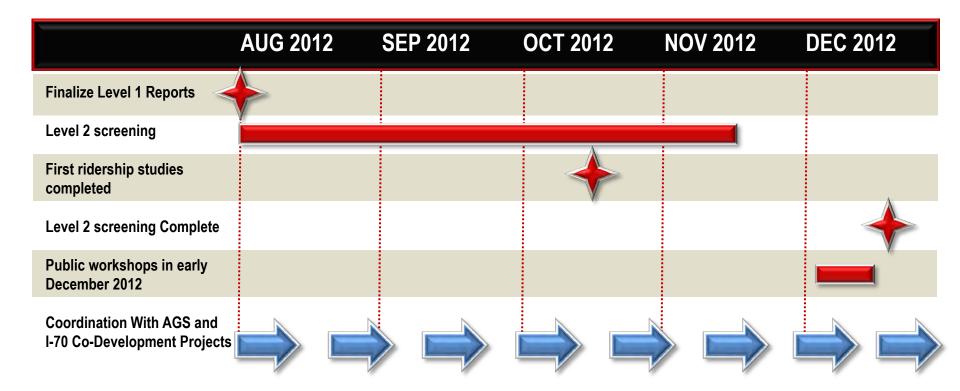
AGS:

- Finalize performance and operation criteria
- Define approach to ridership
- Industry forum/webinar followup
- Development of RFQ
- Ongoing PLT/PMT coordination



Next Steps

Continued Coordination with the AGS Study





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Meetings In Your Area

Colorado Springs Area July 16, 2012 4:00pm to 7:00pm Pikes Peak Area Council of Governments - 15 South Seventh Street, Colorado Springs, CO

Pueblo Area July 17, 2012 4:00pm to 7:00pm Pueblo Convention Center - 320 Central Main St., Pueblo, CO Fort Collins Area July 18, 2012 4:00pm to 7:00pm Windsor Recreation Center - 250 North 11th Street, Windsor, CO

Denver Metropolitan Area July 19, 2012 4:00pm to 7:00pm CDOT Region 1 Offices - Trail Ridge Room -425 C Corporate Circle, Golden, CO



Closing

Two week review of:

- Fatal flaw analysis (matrixes & graphics)
- Comment format will be emailed
- Comments due two weeks from distribution
- Next PLT meeting schedule TBD (Fall 2012)
- Thank you & closing comments



Thank You!