



LITTLETON CITY COUNCIL STUDY SESSION

August 20, 2024





AGENDA



- 01** Project Background
- 02** Vision & Goals
- 03** Stakeholder Coordination & Public Engagement
- 04** Overall Corridor Recommendations
- 05** Key Littleton Recommendations
- 06** Early Action Projects
- 07** Next Steps

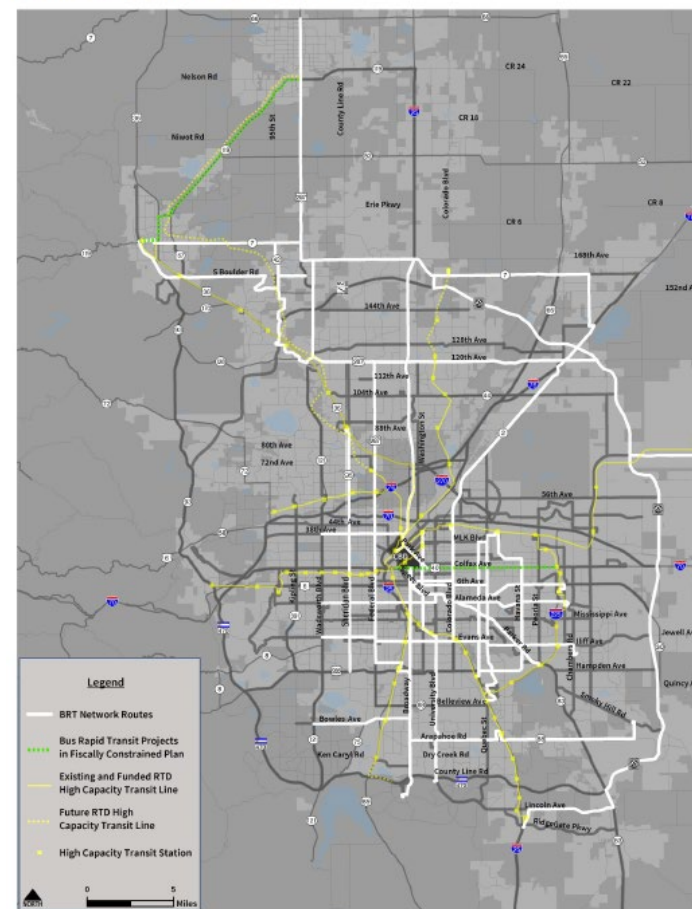


PROJECT BACKGROUND



- RTD BRT Feasibility Study identified Broadway and a corridor for future BRT (February 2018 - June 2019)
- Applied for TIP funding in early 2019
- Originally scoped to focus on the Littleton section of Broadway with design and clearances
- Project was initially waitlisted, but additional funding became available in 2021
- Changing circumstances prompted staff to utilize the funding to lead a regional significant project

Figure 24. Regional BRT Network





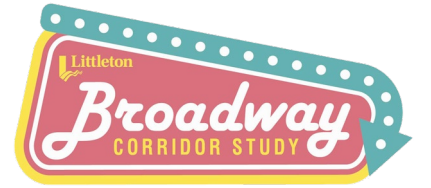
- Arapahoe County
- CDOT
- City of Centennial
- City and County of Denver
- City of Englewood
- City of Littleton
- Douglas County
- DRCOG
- RTD



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PARTNER COORDINATION



- **Core Team**
 - City of Littleton, HDR, and FHU
 - Biweekly meetings to track progress on action items, discuss next steps, strategize, etc.
- **Project Management Team**
 - Monthly coordination meetings
 - Technical staff from project team partners
 - Reviewed draft materials, informed strategies and recommendations
- **Project Coordination Team**
 - Meetings at key project milestones
 - Director level agency staff
 - Provided higher-level insight





PROJECT OVERVIEW VIDEO



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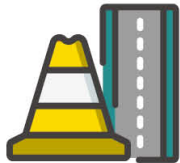
VISION AND GOALS



Vision

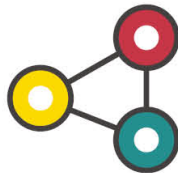
Broadway will celebrate and connect the unique identities of our communities, foster economic vibrancy, provide safe and comfortable spaces, and support regional mobility options for all.

SAFETY



Attaining
a future with zero
transportation-
related fatalities and
serious injuries.

CONNECTIVITY



Completing
a cohesive and
well-connected
corridor for all
modes and users.

MOBILITY



Offering
reliable and
predictable
transportation
options.

PLACEMAKING



Creating
spaces where people
want to spend time.

ECONOMIC DEVELOPMENT



Fostering
investment that
positively impacts
the community.

SUSTAINABILITY



Maintaining
and enhancing
ecological, human,
and economic health.

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PUBLIC ENGAGEMENT



Four primary phases

- Study Initiation
- Alternatives Development and Screening
- Preferred Alternative
- Final Report

In-person and digital formats

- Project webpage
- Stakeholder interviews
- In-person public meetings and pop-up events
- Online surveys and project videos



PUBLIC FEEDBACK HIGHLIGHTS

- Want more multimodal options with bike/ped focus
- Prioritize protected bike lanes
- Enhance sidewalks and crosswalks
- Protect residential neighborhoods
- Address speeding
- Want more affordable housing and mixed-use development

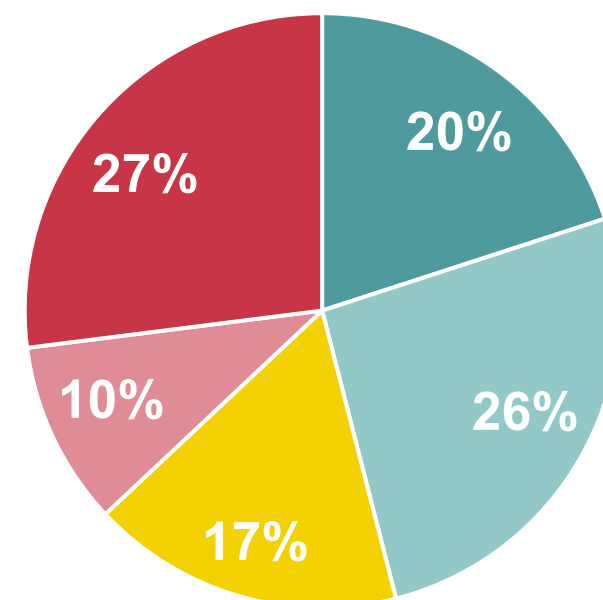


PUBLIC FEEDBACK



- 87% of first survey respondents agreed with the goals
- Safety was the highest area of concern in the first survey
- Improved sidewalks and crosswalks were the highest-rated improvements
- Over 90% of respondents agreed with the retained alternatives for consideration during the second engagement phase
- Wider sidewalks, separated bike lanes, and improved landscaping were the most supported corridor recommendations

How well does the preferred alternative align with your vision for Broadway?



■ Extremely Well
■ Well
■ Somewhat
■ Mostly Not
■ Not at All



STAKEHOLDER ENGAGEMENT



17 Stakeholder Interviews

- Broadway Residents
- Colorado Motor Carriers Association
- Bike/Ped/Open Spaces
 - Denver Streets Partnership
 - South Suburban Parks and Recreation
 - Arapahoe County
 - High Line Canal Conservancy
- Meeting the Challenge
- McDonald Automotive Group
- Emergency Responders
 - Centennial Police
 - Arapahoe County Police
- Affordable Housing
 - Innovative Housing Concepts
 - South Metro Housing Options
- Public Schools
 - Englewood Public Schools
 - Littleton Public Schools
- Developers
 - Englewood Downtown Development Authority
 - Norris Design
 - Amli
- Hospitals
 - Centura Littleton Adventist Hospital
 - Craig Hospital
 - Swedish Hospital
- True Independence
- Littleton Chamber
- South Fellowship Church
- South Metro Denver Chamber



STAKEHOLDER ENGAGEMENT



Key Takeaways

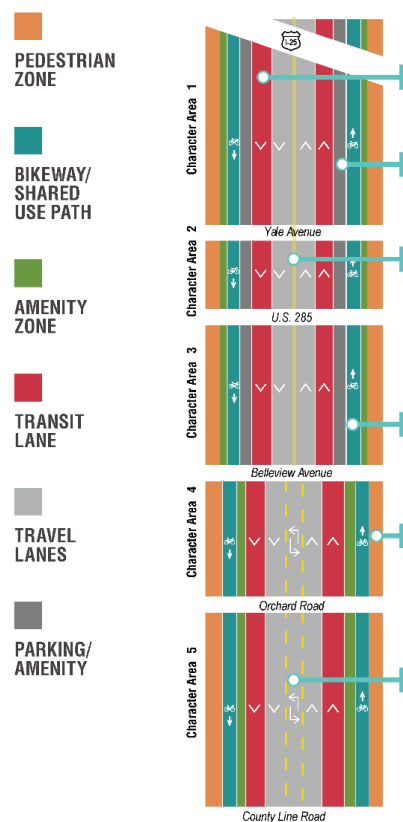
- Inconsistency throughout the corridor, including speed limits, land use, identity, roadway, etc.
- Keep historic character
- Safer, less congested, and more of a destination
- Trail connections: more noticeable, accessible, and safer
- Crosswalks: safer, more comfortable, and ADA compliant
- Bikeway: supported along Broadway if it is protected and safe,
- With additional development and new housing, concerned about congestion getting worse



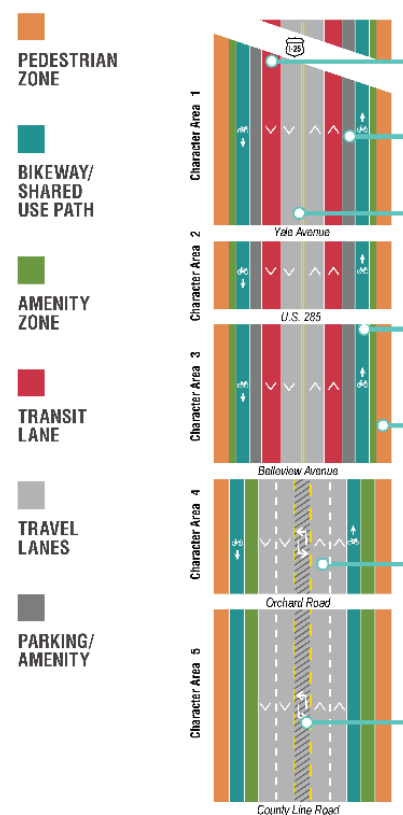
LEVEL 2 ALTERNATIVES



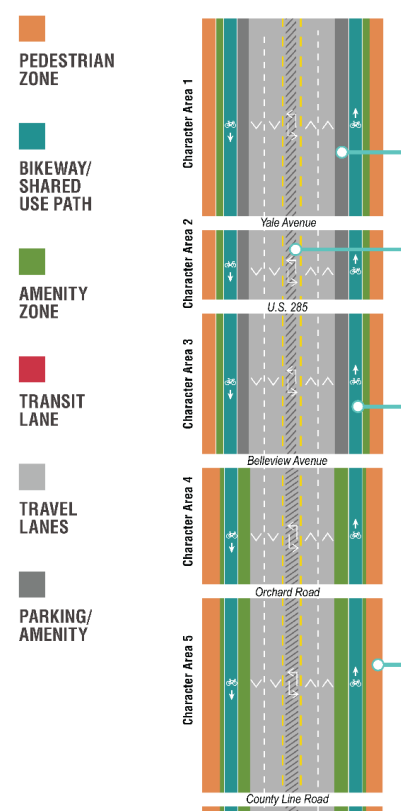
Alternative 1



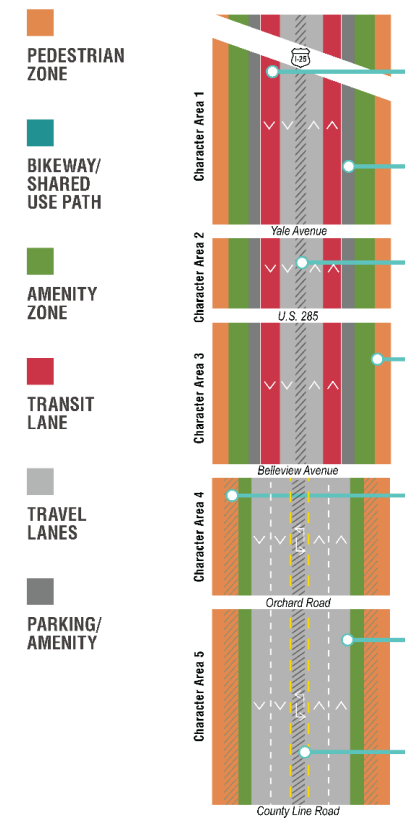
Alternative 2



Alternative 3



Alternative 4



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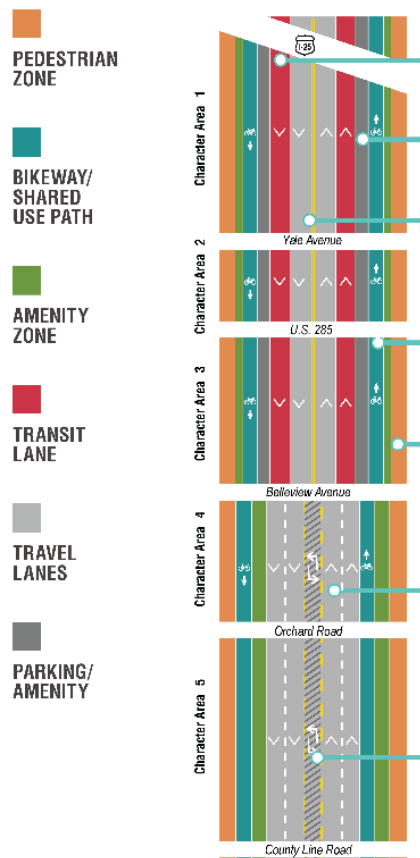
RECOMMENDED ALTERNATIVE

(Alternative 2)

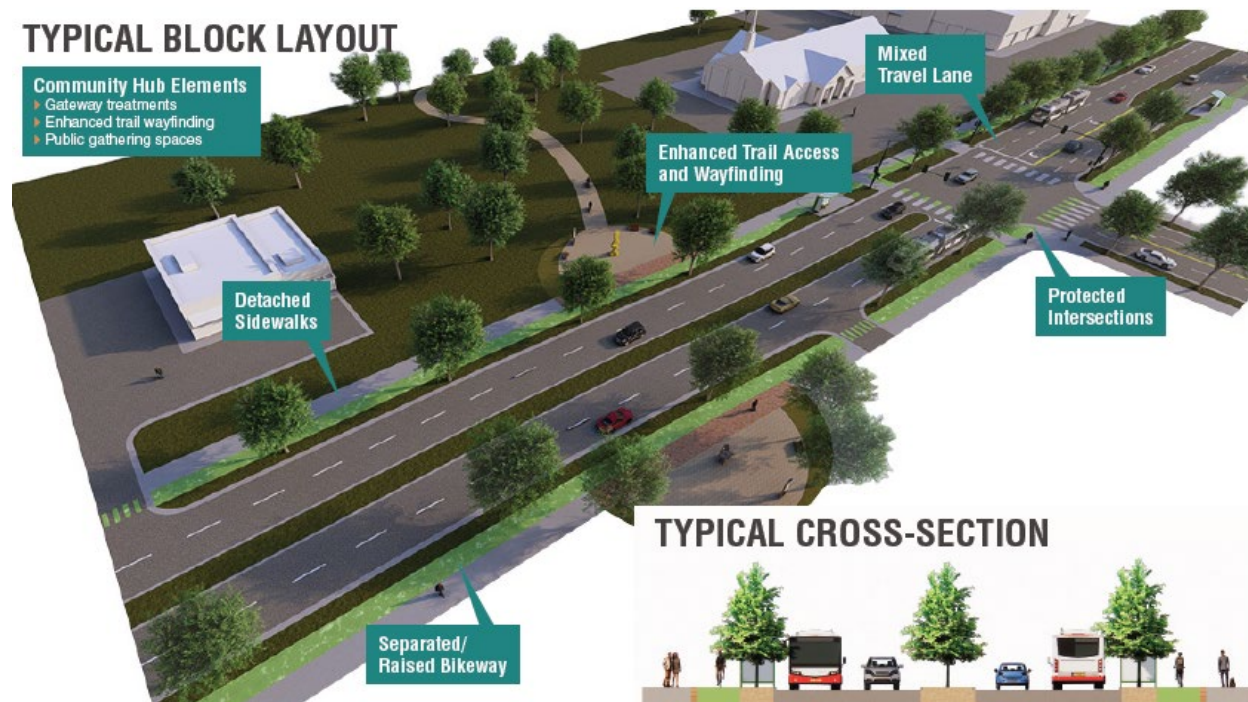


Enhance Non-Car Modes

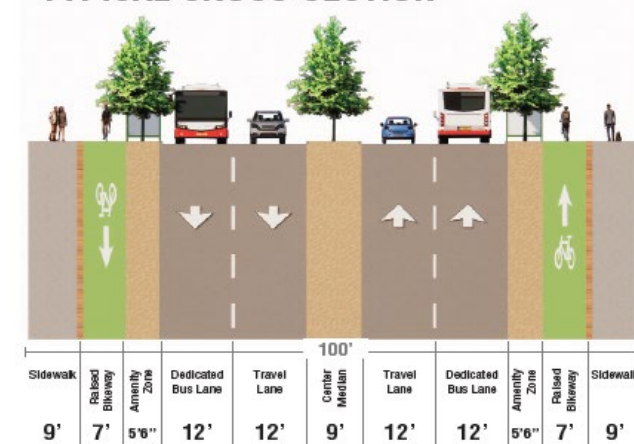
ROAD DESIGN



TYPICAL BLOCK LAYOUT



TYPICAL CROSS-SECTION



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URBAN DESIGN



- Major and Minor Nodes

- Major Littleton nodes at Littleton Blvd, Arapahoe & Mineral
- Minor Littleton nodes at Rafferty Gardens, Caley, Ridge, Jamison & Village Park



- Urban Design Elements at Community Hub Locations:

- Spatial Organization, Focal Points, Social Interaction Spaces, Green Space/Landscaping, and Connectivity/Accessibility are node focuses

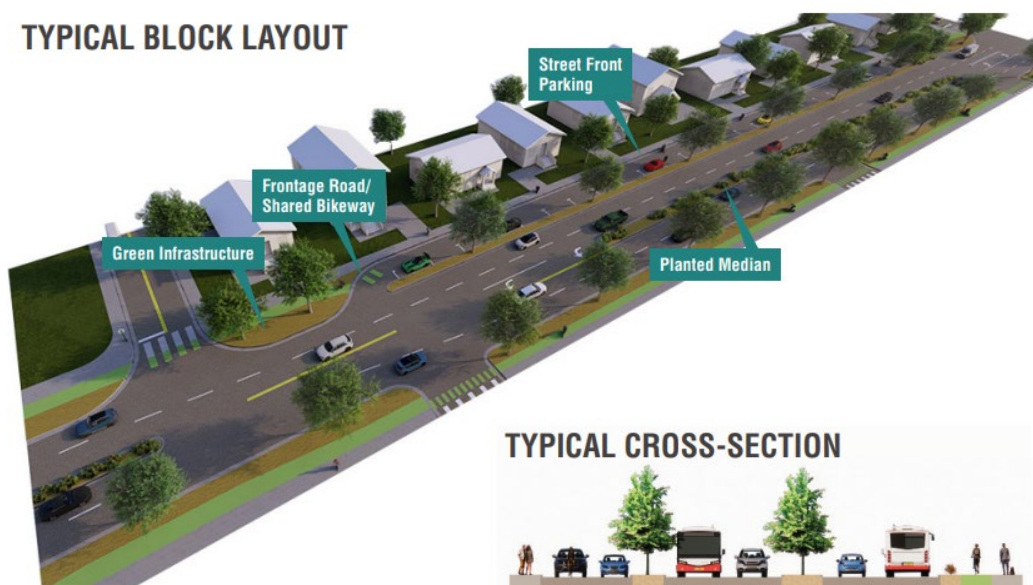




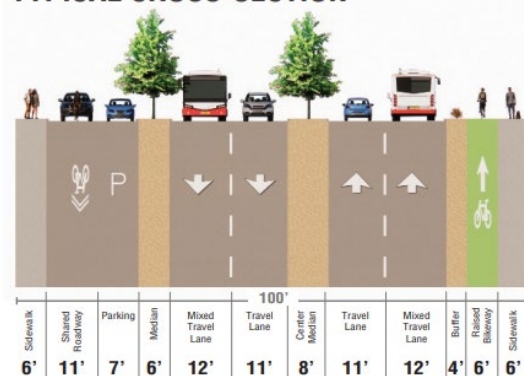
RESIDENTIAL CONCEPTS



TYPICAL BLOCK LAYOUT



TYPICAL CROSS-SECTION



Benefits

- Reduce transportation conflicts
- Slow traffic in front of homes
- Comfortable space for bikes and pedestrians
- Physical buffer between homes and Broadway
- Retains on-street parking

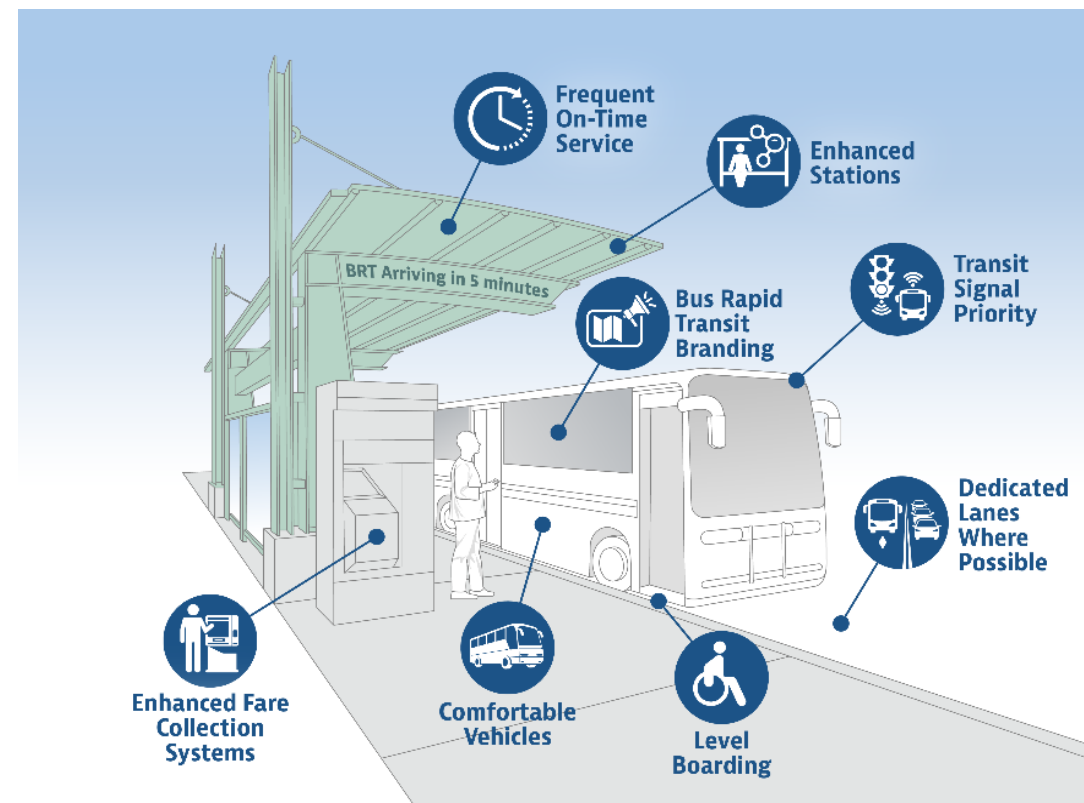
Trade-Offs

- Limits turn movements
- Access concerns for emergency vehicles
- No space for dealership truck deliveries to park on-street

ADDITIONAL LITTLETON RECOMMENDATIONS



- Transit speed & reliability improvements including signal priority, queue jumps, removal of pullouts
 - These improvements set the stage for BRT and potential future dedicated transit lanes
- Improved trail connections to Little Dry Creek, High Line Canal, and Lee Gulch
- Proposed BRT stations at Belleview, Littleton Blvd, Caley, Arapahoe, Ridge, Dry Creek, and Mineral



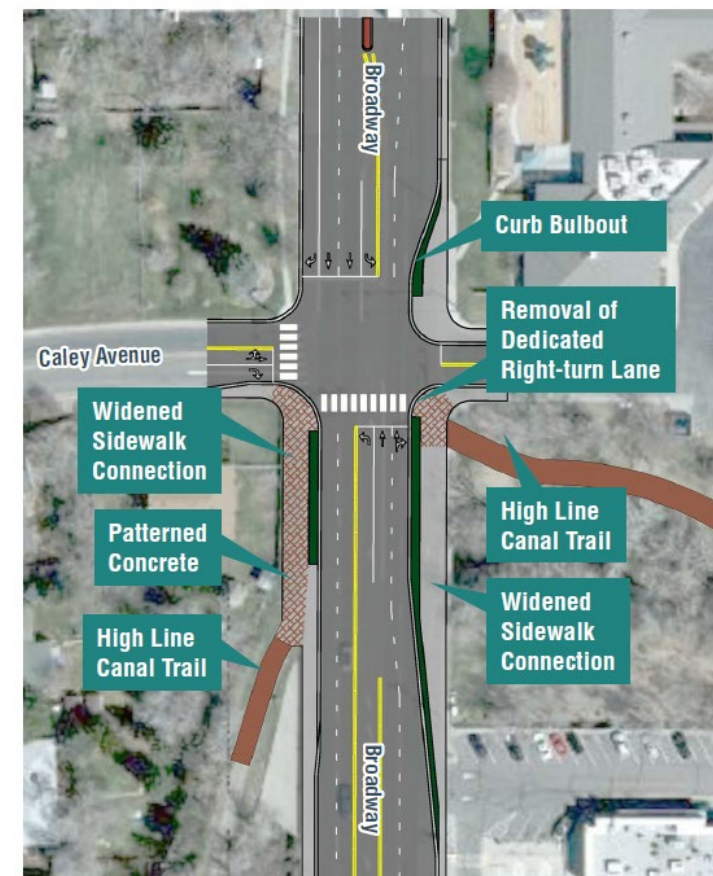


EARLY ACTION PROJECTS



- High Line Canal Crossing Improvements
 - Conceptual at-grade improvements for all three crossings
 - Preliminary design plans for at-grade improvements at Arapahoe
 - Trail grade-separation at Arapahoe is still moving forward as the ultimate solution
- Access Management Recommendations
 - Identified as a key strategy for improving active transportation on Broadway
 - Block-by-block assessment of access conditions and modification potential
 - Identified opportunities for access modifications upon redevelopment
- Mid-Block Crossing Recommendations
 - Broadway & Bannock
 - Broadway & Euclid
 - Broadway & Littleton Village

FIGURE 19. CALEY AVENUE HIGH LINE CANAL CROSSING IMPROVEMENTS





CARRYING IT FORWARD



- Regional Coalition
- DRCOG or Coalition-led Alternatives Analysis (FTA funding requirement)
- HSIP Broadway Intersections Design & Construction
- Future grant opportunities



QUESTIONS & DISCUSSION



- City Staff Presenters:
 - Aaron Heumann
 - Brent Soderlin
 - Kenna Davis
 - Shane Roberts
- Consultant Team Presenters:
 - Keith Borsheim - HDR
Keith.Borsheim@hdrinc.com