Boulder County Transportation Projects

Presented by

Community Planning & Permitting Public Works

February 18, 2021



Transportation Planning & Public Works







2



Overview

- Meeting is being recorded
- Presentation format
- Post questions during presentation
- Q&A
- Upvoting

Tonight's Topics

- Transportation Master Plan
- Northwest Rail
- CO- 119 / Diagonal
- CO-52
- CO-7
- US-287
- East County Line Road

- US-36 / N. Foothills Hwy
- Regional Trails
- Vision Zero
- Recreational Shuttles
- Mobility for All
- Youth Transportation

POLL RESULTS

Boulder County Transportation Master Plan

Stacey Proctor sproctor@bouldercounty.org 303-441-1107



Strategy 1:

Develop a Multimodal Transportation System



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Strategy 3: Invest in Key Transportation Corridors

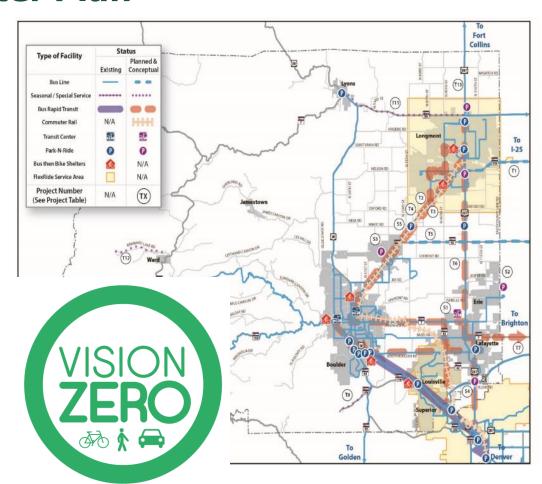


Strategy 5: Enhance Mountain Area Connections



Key Action Items

- People-focused
- Safe
- Sustainable
- Equitable
- Affordable
- Mobility options
- Regional corridors
- Partnerships



www.bocotmp.com

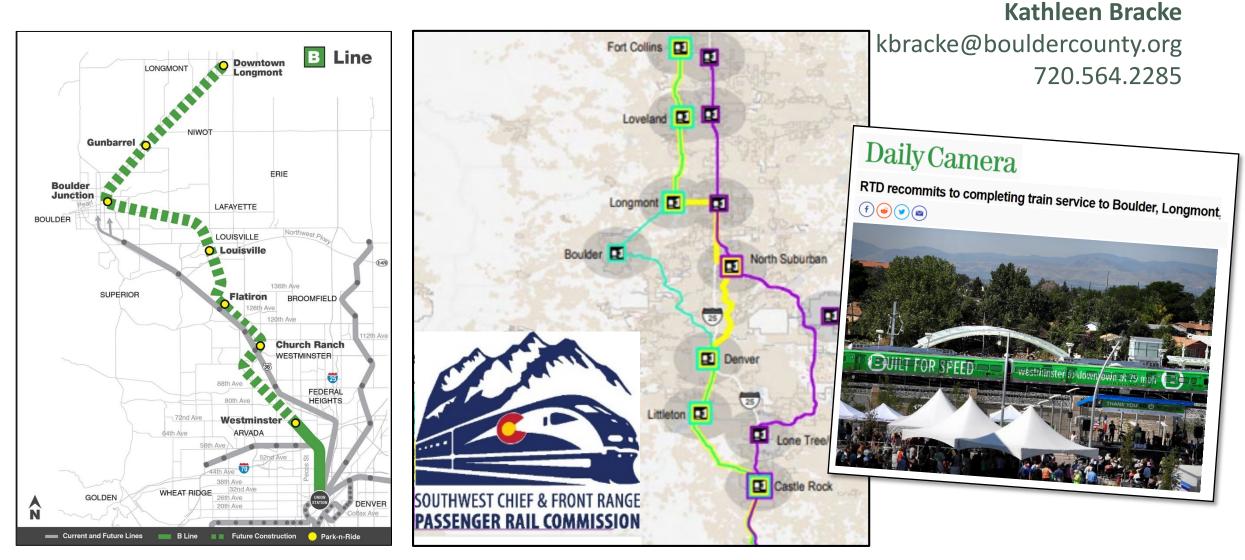
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Mobility Options



www.bocotmp.com

Northwest Rail



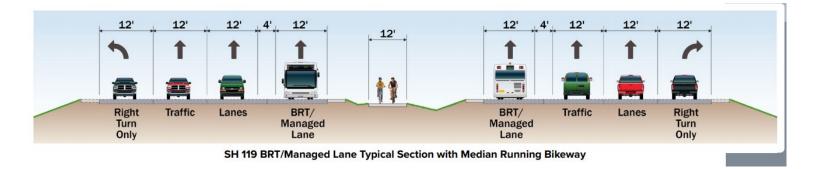
www.boco.org/rtd-b-line

CO-119

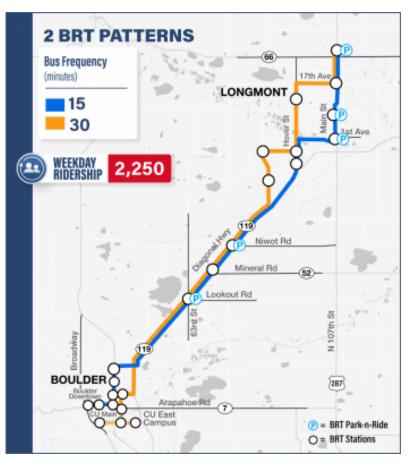
- Mobility Improvements
- Bikeway
- First and Final Mile Study
- FLEX Express Bus Service

CO-119 Managed Lanes & Bus Rapid Transit

- Longmont to Boulder
- Managed Lanes, free for HOV 3+
- Bus operations in managed lanes, with bus stations in the median
- Design led by CDOT



Alex Hyde-Wright Ahyde-wright@bouldercounty.org 303.441.4910



www.boco.org/sh-119

CO-119 Bikeway Design

Boulde Longmont County Proposed Bikeway to Hover St NIWOT RD MONARCH RE MINERAL ROAD hase 1 Scope of work: der to Airport Rd. JAY RD Neasant View Sports Comple IRIS AV Boulder culder County For Terms of Lise

Bikeway Vision

- 7.6-mile bike/ped connection between Boulder, Longmont, and communities in between
- Physically separated from vehicles, with underpasses and/or protected signals across major intersecting roads
- Hard surface
- Provides year-round connection to future Bus Rapid Transit stations designed in conjunction with roadway mobility project
- Currently designing Boulder to Airport Road

www.boco.org/sh-119

Stacey Proctor

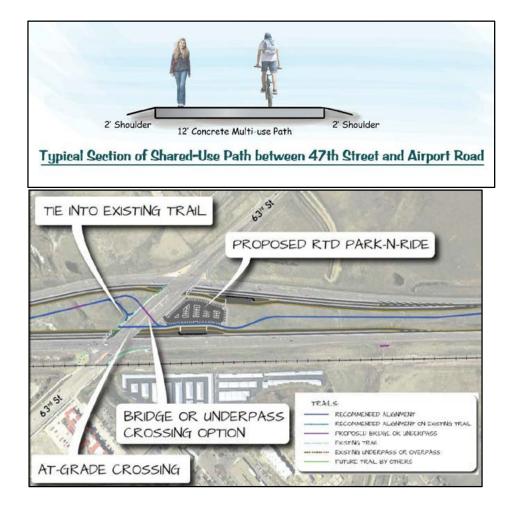
303-441-1107

sproctor@bouldercounty.org

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CO-119 Bikeway Design

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119 Bikeway Details

- Currently hiring a consultant to do the design and permitting
- Opportunities for public input
 - Confirm conceptual design- Spring/Summer
 2021
 - Input on draft plans- Winter 2022
- Hoping to complete design and permitting in 2023
- Seeking funding for construction

www.boco.org/sh-119

CO-119 First & Final Mile

- Bicycle, Pedestrian and Microtransit
- Shared parking agreements (as Park n Rides)
- Wayfinding
- Station area access
- Strategic implementation



Jeff Butts jbutts@bouldercounty.org 720.564.2754



(SH 119 & Niwot Road) Bicycle & Pedestrian Recommendations

www.boco.org/sh-119

**Previously proposed facilities have been carried forward from a previous plan into the SH 119 First

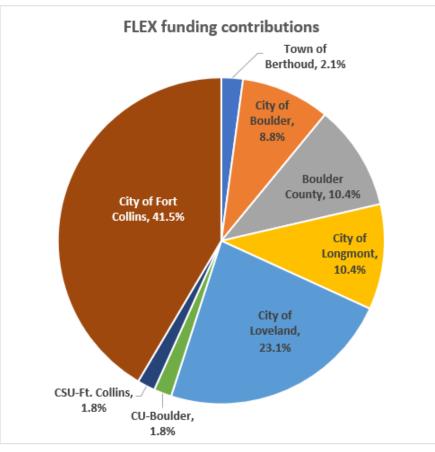
and Final Mile Study

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www.ridetransfort.com/flex

FLEX Express



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FLEX Express

- Funded by cities, towns, universities, counties along the route
- Service between Ft Collins
 & Boulder
- New midday & Sat service to Boulder added in Jan 2021
- 90 min trip end to end





www.ridetransfort.com/flex

CO-119

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Engagement Opportunities

- CO 119 Membership Meeting- March 9 hosted by Commuting Solutions
- Sign up for transit boulder county listserv





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- Planning & Environmental Linkages (PEL)
- Access Control Plan (ACP)

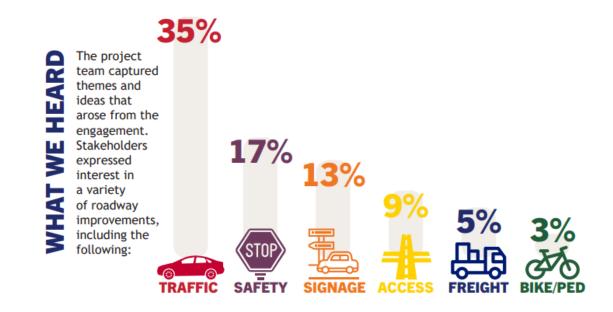


🚦 Traffic Signal 🛛 📃 🗌 Oversize Vehicle Route 🛛 Transit (Bus) Service ----- Existing Bike Route ᅡ School/College

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CO-52 PEL

- Commuting, land-use and industry
- Long term vision
- Project prioritization
- Future funding







CO-52 Access Control Plan

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- Closing, limiting and channelizing access
- Prescribed by State Highway Access Code
- Public meetings mandatory part of process



www.co52pel.com

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CO-52 Timeline



Wilestones: Milestones are outcomes or products of these project tasks



www.co52pel.com

CO-52 PEL & ACP Engagement Opportunities

Website: https://www.codot.gov/projects/co52-pel-acp

Hotline: 720-336-0187

Email: cdot.co52pel@gmail.com

Mailing Contact: CO 52 PEL / ACP c/o Jeffrey Range 4696 Broadway #3 Boulder, CO 80304



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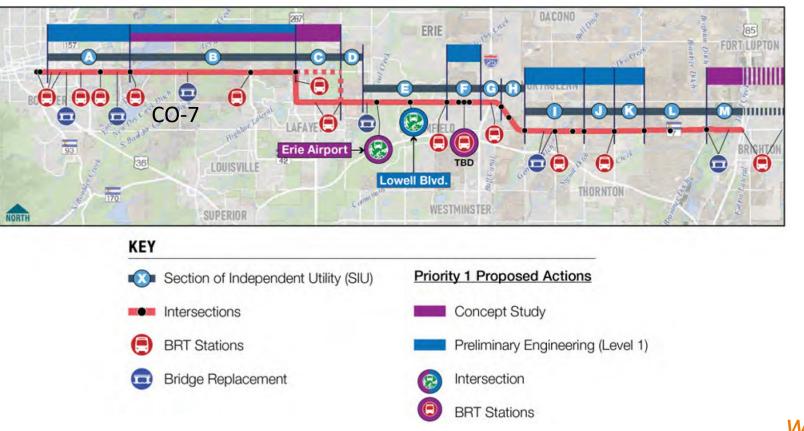


CO-7

• Preliminary Engineering



Figure 19. Recommended Plan - Priority 1 Proposed Actions





CO-7 Preliminary Engineering

- Brighton to Boulder
- Advance previous studies
- \$10M budget for design
- Partnerships
- East-West





Primary Alternatives Retained

A. Managed Lane Cross Section



Managed Lane



B. Reversible Transit Lane Cross Section

:: Felsburg Hore Grander 2000



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CO-7 Engagement Opportunities

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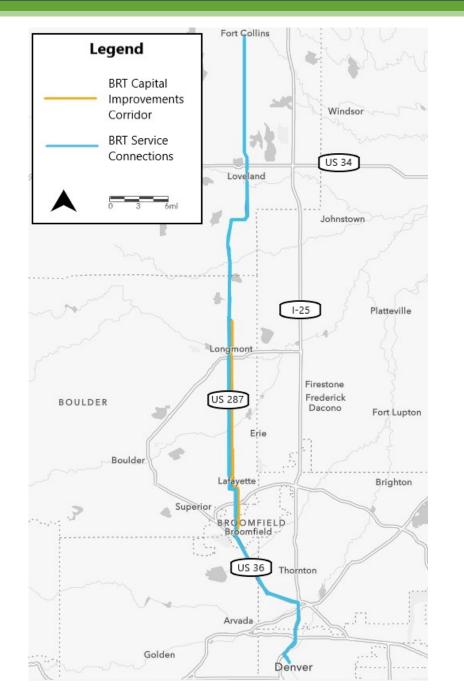
- Ongoing community engagement
- Boulder County website
- More available later
- Signup for alerts at **boco.org/transportation-news**





US-287

- Bus Rapid Transit (BRT) Feasibility
- Isabelle Road Intersection Safety



US-287 BRT Feasibility Study

Jeff Butts jbutts@bouldercounty.org 720.564.2754

- Capital projects: CO-66 and US-36
- Service: Fort Collins to Denver
- Bus Rapid Transit or enhanced transit?
- Finished existing conditions
- Entering alternatives analysis
- Multiple phases: safety, signals, environmental

www.boco.org/287-planning

US-287 Bus Rapid Transit ENGAGEMENT OPPORTUNITIES

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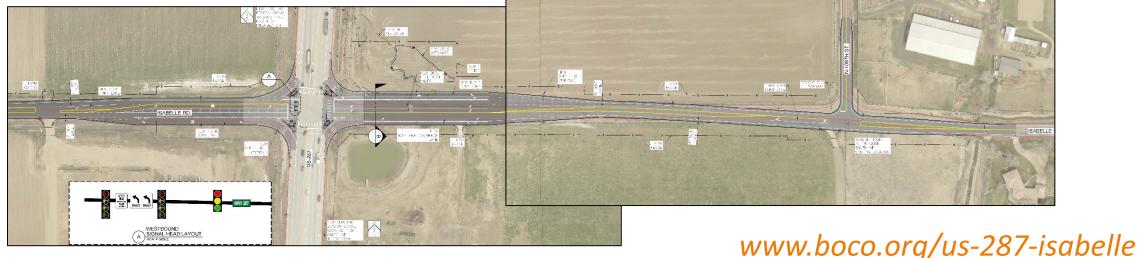
- Public process tentatively in April
- County website
- Signup for alerts at **boco.org/transportation-news**

www.boco.org/287-planning

US-287 / Isabelle Road Intersection Safety Project

Tim Swope tswope@bouldercounty.org 720.564.2658

- CDOT / Erie / BoCo intersection reconstruction to improve safety
- half-mile of buffered bike shoulders along Isabelle Rd
- additional turn lanes to improve operations & safety
- Completion scheduled for June 2021

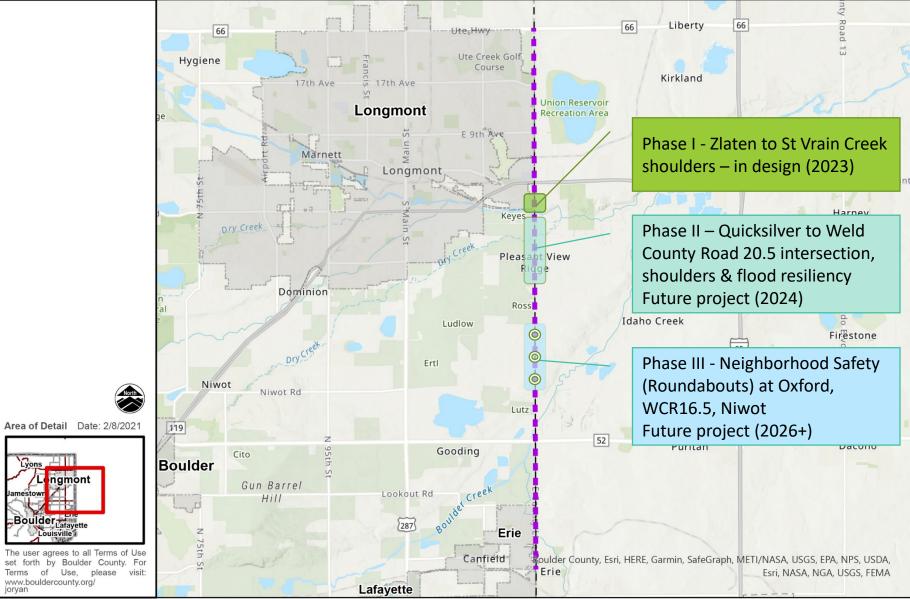




Public Works Department

2525 13th Street, Boulder CO 80302 303-441-3900 www.bouldercounty.org

Project Region Map - East County Line Road

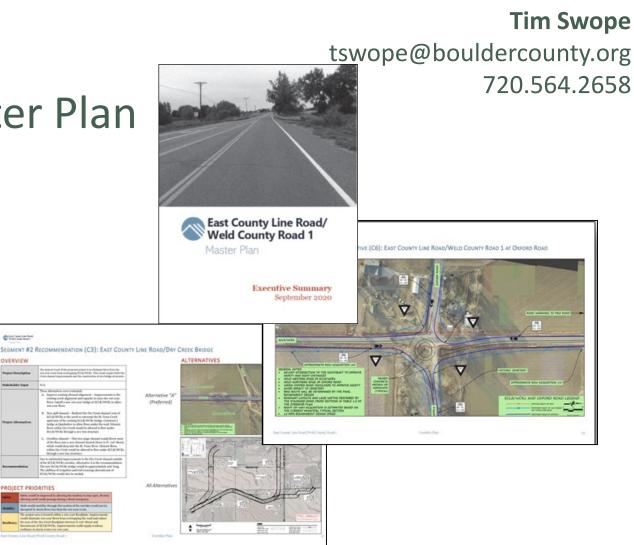


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East County Line Road / Weld County Road 1 Master Plan

Charles tarbat

- Two-year effort to determine future conditions along a 12mile corridor.
- Multi
 - jurisdictional coordination
 - Weld County
 - Boulder County
 - City of Longmont
 - Town of Erie

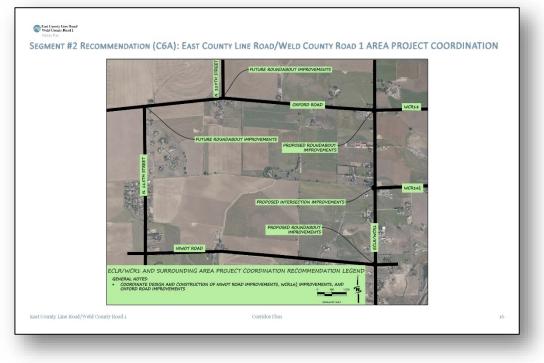


www.eastcountylineroad.com

East County Line Road / Weld County Road 1 Master Plan

- Recommendations for \$50 million in future improvements
- Add seven-foot buffered shoulders from Longmont to Oxford and five-foot from Oxford to Highway 52.
- Future roundabouts at WCR 20.5, Oxford Rd, WCR 16.5, & Niwot Road

Tim Swope tswope@bouldercounty.org 720.564.2658

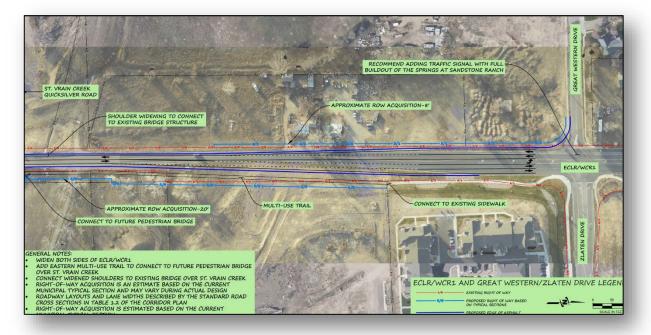


www.eastcountylineroad.com

East County Line Road ENGAGEMENT OPPORTUNITIES

- Design of Zlaten-to-St Vrain Creek Widening, starts design in Fall 2021.
- Go to <u>www.bouldercounty.org</u> or <u>www.eastcountylineroad.com</u> for more information.

Tim Swope tswope@bouldercounty.org 720.564.2658



www.eastcountylineroad.com

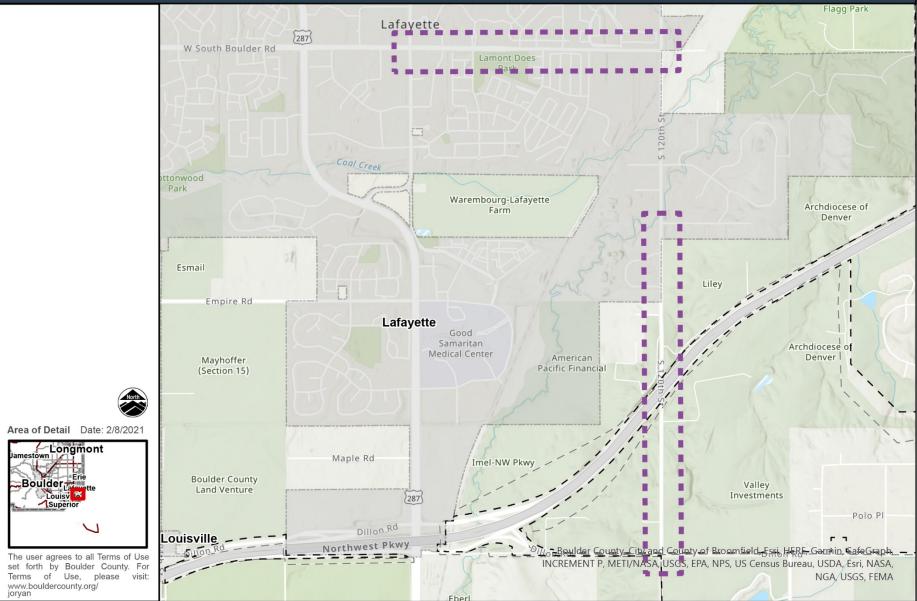


Public Works Department

East County - Lafayette/120th St

2525 13th Street, Boulder CO 80302 303-441-3900 www.bouldercounty.org

Region - East County - Lafayette/120th St



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South Boulder Road Widening - Lafayette

- Multi modal improvements to South Boulder Road from the Transit Center to 120th
- Construction starts March 1
- More information at <u>www.lafayetteco.gov</u>

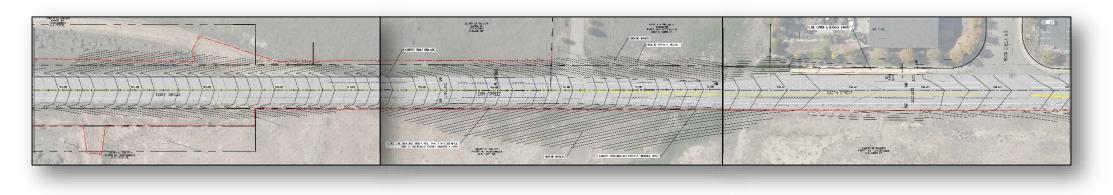
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120th Street Shoulders

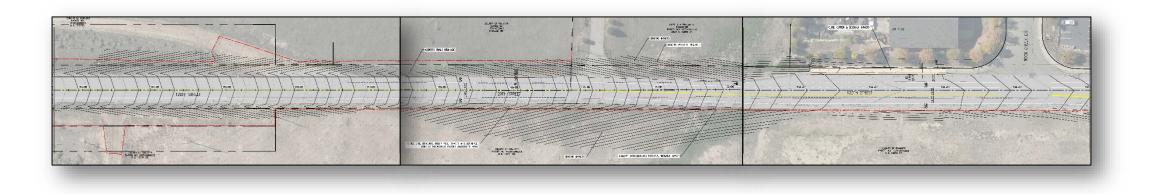
- Add buffered shoulders to 1.5 miles of 120th Street from City of Lafayette to Dillon Road
- Flatten some of the extreme slopes to improve safety / usability.
- New intersection at Dillon constructed fall 2020.



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120th Street Shoulders

- Public open house to review initial design anticipated early summer 2021.
- Go to <u>www.bouldercounty.org</u> for more information.



US 36 North Foothills Hwy Intersection Safety Project

Funded from the Safer Main Streets grant in partnership with CDOT

Striping safety improvements for cyclists and turning vehicles

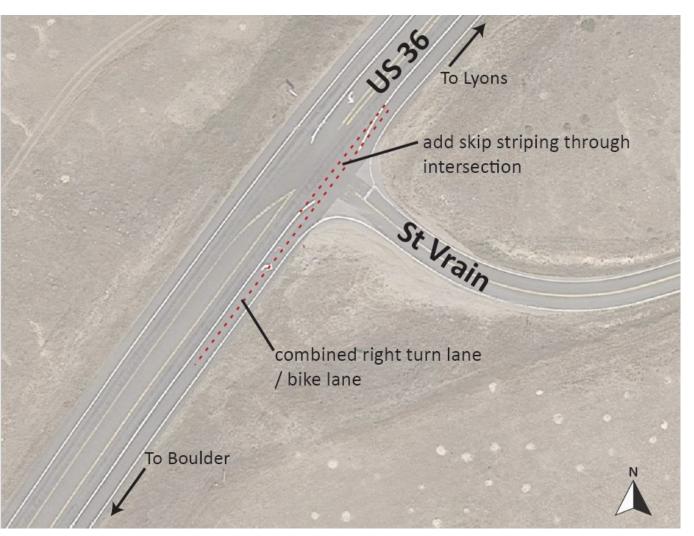
Intersection Improvements at:

- Lefthand Canyon
- Nelson Road
- St. Vrain Road
- Hygiene Road

Timing

Design this year Implement in 2022

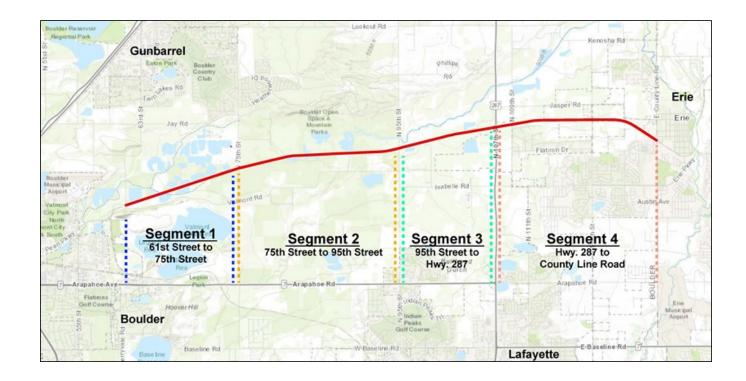
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RTD Rail Regional Trail

- Boulder County, in partnership with the City of Boulder and Town of Erie, is evaluating options for a regional trail connection along the RTD-owned rail corridor linking Boulder and Erie
- Low-stress east-west trail connection in eastern Boulder County
- 8.5-mile-long corridor from 61st St to County Line Rd
- The first step in trail development is to identify needs, opportunities, and constraints of constructing the regional trail



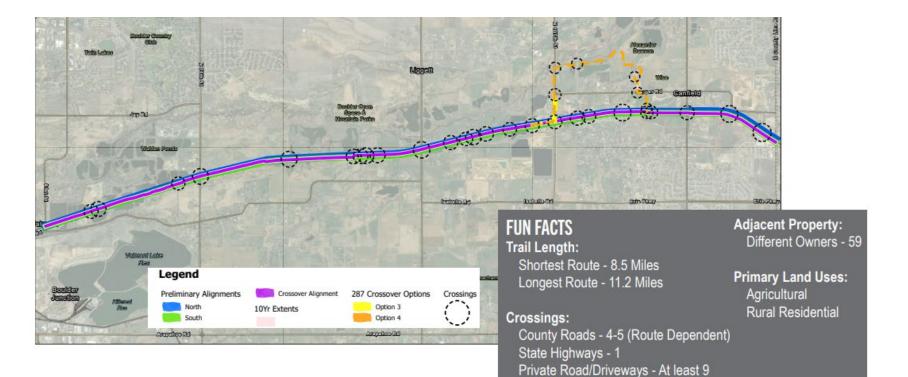
www.RTDRailTrail.com

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www.RTDRailTrail.com

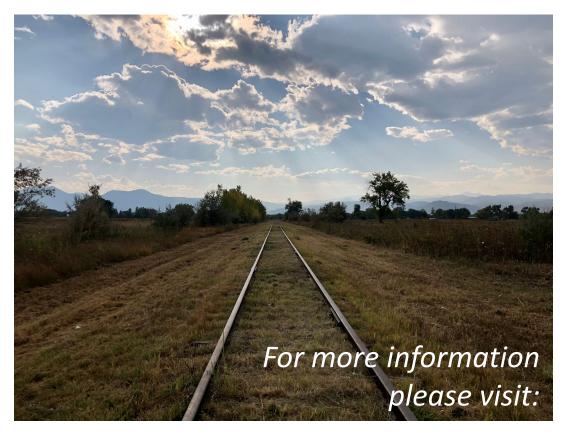
RTD Rail Regional Trail

- Preferred alignment determination
- General public meeting: Fall 2021
- Project schedule: master plan document and preliminary conceptual design completion by end of 2021



Rivers/Creeks/Streams - 1 Ditches - 7-11 (Route Dependent)

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RTD Rail Regional Trail



RTD Rail Regional Trail Master Planning Process

Boulder County, in partnership with the City of Boulder and Town of Erie, is evaluating options for the creation of a new soft-surface regional trail connection along the RTD-owned rail corridor linking the City of Boulder and Erie.

This connection was identified in the county's regional trails prioritization process in 2003 and is eligible for funding through the Countywide Sales Tax Ballot passed by voters in 2007. The Boulder Valley Comprehensive Plan C² and Boulder County Transportation Master Plan identify this trail connection as an important link in the Boulder Valley and regional trails systems.

The first step in trail development is to conduct a master planning process to identify needs, opportunities, and constraints of constructing the regional trail. That process began in the summer of 2019 and is ongoing. More information will be posted here as it becomes available.

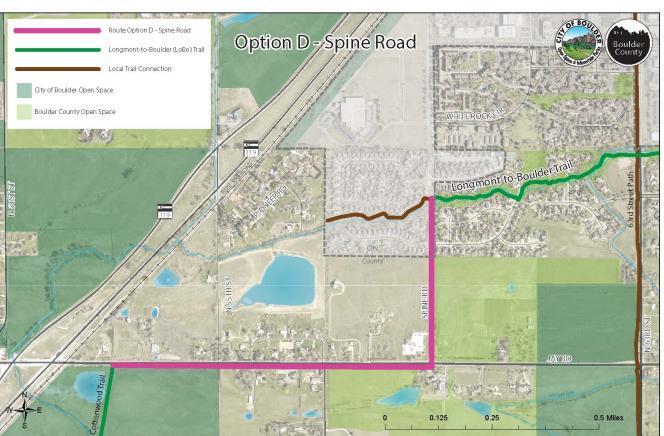




www.RTDRailTrail.com

LoBo Trail – Jay Road Connection

- Completed the alternatives study and conceptual design process last year listed under "Final Reports" on website:
 - LOBO Trail Jay Road Connections Study Final Report (March 2020)
 - LOBO Trail Jay Road Connections Conceptual Designs (March 2020)
- Will be hiring a consultant to begin final design soon
- Preliminary Design Fall 2021
- Public Open House Late 2021
- Final Design, Permitting & Construction Documents - 2022
- Tentative Construction 2023



www.boco.org/lobo-connections

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Boulder Area Trails App

- Mobile application includes trails from Boulder County & 11 other agencies
- Find trails by use or type
- Plan routes
- Link to the appropriate agency websites



<u>www.trailsapp.org</u> OR search for "Boulder Area Trails" in your app store

Amy Lacourse

303.441.4910

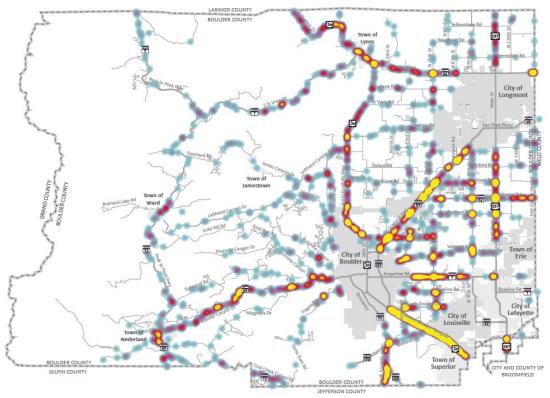
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Boulder County Vision Zero Plan

- Vision Zero target: zero fatalities or serious injuries in unincorporated Boulder County by 2035
- No loss of life is acceptable
- Part 1: traffic crash analysis of crashes in unincorporated Boulder County and mountain towns
- **Part 2:** Action Plan, including proposed projects and programs

Heat Map Showing All Injury-Fatality Crashes in Unincorporated Boulder County & Mountain Towns, 2009-2018



www.boco.org/crash-data-map

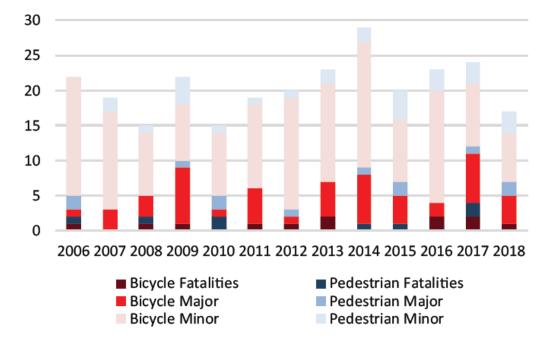
*This interactive crashes web map is a work in progress, but the data shown is accurate.

Boulder County Vision Zero Plan

- Emphasis on serious injury and fatal crashes
- Draft of **Part 1: Crash Analysis** to be released in February 2021
- Draft of Part 2: Action Plan to be released Spring 2021.
- Full Vision Zero Plan finalized Fall 2021

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Bicycle and Pedestrian Crashes in Unincorporated Boulder County and Mountain Towns



www.boco.org/crash-data-map

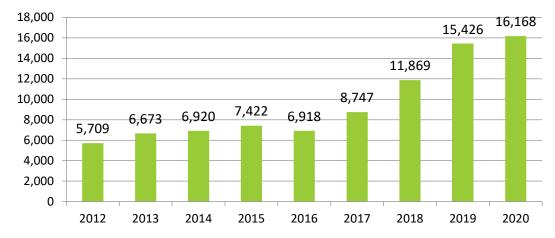
*This interactive crashes web map is a work in progress, but the data shown is accurate.

Hessie Shuttle

- Shuttle service between Nederland and Hessie Trailhead
- In 2020 transported just under half of visitors to trailhead via Shuttle
- Service Sat/Sun/holidays summer & fall
- Mask requirement and capacity limits during COVID-19



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Hessie Shuttle Annual Boardings

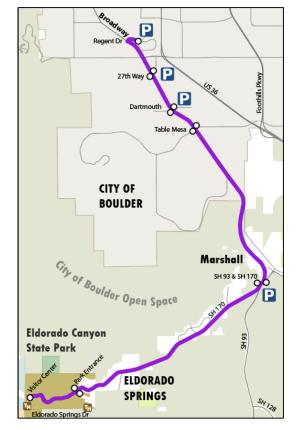


www.HessieTrailhead.com

Eldo Shuttle

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- 2020 was first season of service
- Free shuttle from Boulder to Eldorado Canyon State Park
- Sat/Sun/holidays during summer, service every 20 minutes





www.EldoShuttle.com

Lyons Taxi Voucher Program

- Taxi Vouchers available to Lyons residents for travel between Lyons/Boulder or Lyons/Longmont
- Substitute for RTD "Y" Route, currently suspended due to COVID-19
- Vouchers good for travel using zTrips
- Vouchers available at Town Hall, food pantry, and OUR Center

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Mobility for All Program

- Technology Education Program
- Ride Free Lafayette
- Peak Ride Volunteer Driver Plan
- RTD Access-A-Ride Certification Center Feasibility Study
- Mobility and Access for All Ages and Abilities Plan





www.boco.org/M4A

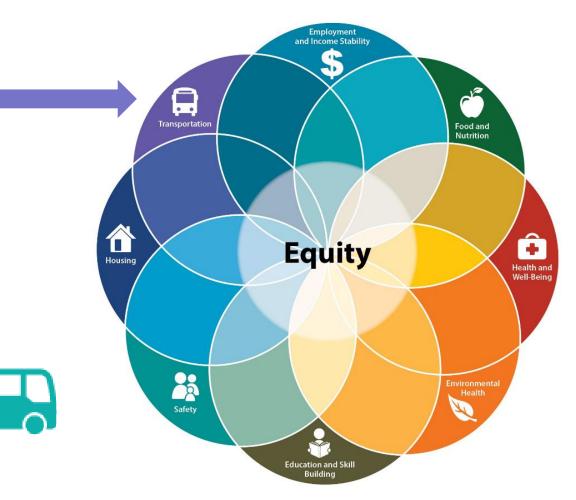
What is Mobility for All?

- Transportation Access =
 - Access to Opportunity

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- Quality of Life
- Basic Needs

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www.boco.org/M4A

Technology Education Program

- Expand Access to & Use of Smartphone Transportation Apps
- Empower Volunteer Ambassadors
- Events: boco.org/M4AEvents





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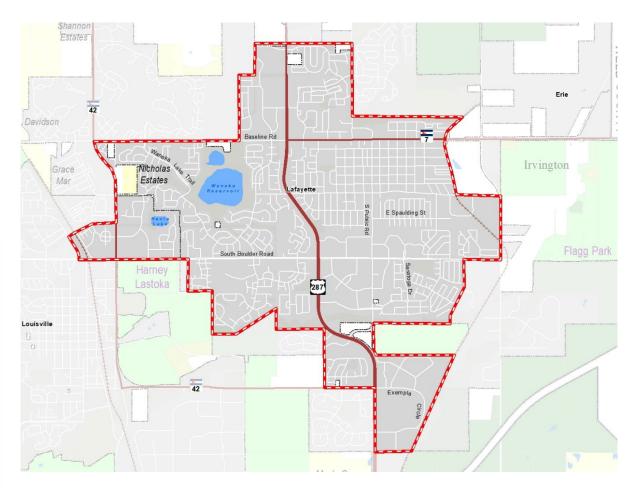
www.boco.org/M4ATechnology

Ride Free Lafayette

- Free service for people in Lafayette and the Kestrel Community
- 7 am to 8 pm Daily, Including Holidays
- 3 Ways to Book: Phone, App, Web



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www.ridefreelafayette.com

Peak Ride Volunteer Driver Plan

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Plans Key Findings

- Unmet travel needs of mountain residents extends beyond just Boulder County
- Core clientele will be older adults, adults with disabilities and low-income individuals.
- Volunteer driver program will require an administrative framework that includes, risk and liability insurance, driver training and screening of driving records
- Multiple funding streams that volunteer driver plans can tap into



www.boco.org/M4APeakRidePlan



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RTD Access-A-Ride Certification Center Feasibility Study

- Current Center, Lakewood
- Existing Facility Assessment
- Construction Cost
- Feasibility of BoCo Locations



www.boco.org/M4AUpdates

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Mobility and Access for All Ages and Abilities





- Coordinated Human Services Transportation
- Cross-Sector Partnerships
- Equitable & Inclusive Transportation System
- Demographic Groups with Special Needs
 - Individuals with Disabilities
 - Families with Low Incomes
 - Youth
 - Older Adults
 - Veterans
- Project Priorities for 10 Years

www.boco.org/M4AUpdates

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Mobility and Access for All Ages and Abilities

Youth Transportation Special Focus

- Currently assessing existing resources
- 2021: Gather partner & public input on resources, gaps, and needs/issues/wants
- Summer/Fall: Final report will...
 - Serve as a partial Needs Assessment for the Youth Transportation Program (YTP)
 - Contributing to 10 Year Action Plans for both the Mobility 4 All and YTP
- Expect ongoing engagement opportunities post-plan completion



www.BoCoSafeRoutes.org

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School Travel & Housing Engagement Study



- <u>Equitable Engagement</u> Opportunity- Fall 2021
- SVVSD & BVSD Youth & their caregivers.
 - Potential expansion to university students.
- Interactive
- Contribute to 10 Year Action Plans for the YTP
 - Complement to the Mobility & Access for All Ages & Ability (in progress)
 - Expect ongoing engagement opportunities post-study completion

Youth Transportation Program (YTP)

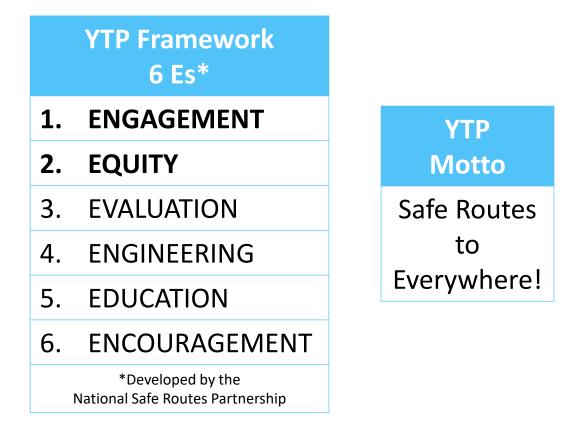
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Why have a YTP?

- Households with students represent ~half of Boulder County's population
- Transportation patterns, challenges, use impact, etc... all need to be better understood and supported.

YTP Short Term Goals (outlined in TMP)

- 2021-2022= Collaborative Planning
- Identify short-, medium-, & long-term priorities and strategies
- Support and expand local collaborative, capacity building, and evaluation efforts



www.BoCoSafeRoutes.org

Trip Tracker (TT) Program

<u>Encourages</u> school communities to reduce car traffic around schools. When participants carpool, bus, bike, walk to school, they earn Tracker Bucks, which can be spent at or donated to participating locally owned businesses, which are reimbursed for redeemed Tracker Bucks.

Boulder Valley School District (BVSD)

• TT is currently adapted

St. Vrain Valley School District (SVVSD)

- TT is currently paused
- New annual reports are available

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www.BoCoTripTracker.com

Active Transportation Workshops

Educational & Encouraging

- Free, interactive, & online via Zoom Webinar
- Family Style = child(ren) attend with their adult(s)

Safe Walking	Safe Biking Bike To School Day is May 5th, 2021
Ages 5-9	Ages 15-18
02/24/21 at 5:30-6:30p	04/26/21 at 5:30-6:30p
Registration Open!	Registration Opens Soon!
Ages 10-14	Ages 10-14
03/31/21 at 5:30-6:30p	04/28/21 at 5:30-6:30p
Registration Open!	Registration Opens Soon!
Ages 15-18	Ages 5-9
04/21/21 at 5:30-6:30p	05/03/21 at 5:30-6:30p
Registration Open!	Registration Opens Soon!

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www.BoCoTripTracker.com

Youth Transportation Program (YTP) - ENGAGEMENT OPPORTUNITIES

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- Register for &/or share information about the upcoming family-style workshops
- Visit and follow us online and via social media for updates and resources
 - Twitter @BoCoSafeRoutes
 - Instagram @BoCoSafeRoutes
- Call or email anytime
- Sign up for Youth Transportation program and projects texts &/or emails at Boco.org/e-news
 - Topic: Trip Tracker
 - Topic: yt-news

<u>www.BoCoSafeRoutes.org</u> <u>www.BoCoTripTracker.com</u>

Q&A

Subscribe to Boulder County transportation news and information at <u>www.boco.org/transportation-news</u>



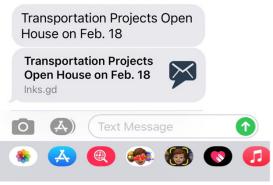
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Boulder County Commissioners appoint Erik Davidson as RTD District I Director



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Tue, Feb 9, 4:15 PM



Boulder County Transportation Projects

Presented by

Community Planning & Permitting Public Works

