



Transportation

TRANSPORTATION
MASTER PLAN UPDATE



MARCH 2019

DRAFT

RECOMMENDATIONS

SUBMITTED BY:



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PROPOSED RECOMMENDATIONS

The following document lists out the most recent recommendations for each strategy. Draft recommendations were first discussed during a series of workshops for transportation staff in late January and early March. Recommendations include both infrastructure improvements and policy changes.

Recommendations have been developed from a number of sources:

- ✦ Existing Plans and Studies
 - All plans listed within the [State of the System Report](#)
- ✦ Online Survey
- ✦ Inclusive Planning Steering Committee Meetings
- ✦ Planning Commission
- ✦ Board of County Commissioners
- ✦ Public Meetings
 - Round 1: September 2018
- ✦ Travel Pattern Data (StreetLight Data)
- ✦ Analysis as Part of this Project
 - Bicycle Level of Traffic Stress (BLTS)
 - Safety Analysis of Selected Corridors and Intersections
 - 2040 Forecasted Households/Employment and Travel Patterns
 - Demographic Information

STRATEGY 1: DEVELOP A MULTIMODAL TRANSPORTATION SYSTEM

ROADWAY PROPOSED RECOMMENDATIONS

- ✦ Prioritize roadway safety, signage and shoulder improvements to address unsafe conditions on primary on-road cycling corridors that separate bikes from cars and lower bicycle level of stress
- ✦ Facility enhancements, such as buffered bike lanes on corridors categorized with a very high level of bicycle stress safety
- ✦ Complete intersection improvements at signalized and unsignalized intersections to improve safety for all modes and reduce congestion
- ✦ Improve intersections for safe access to primary cycling corridors, transit stops and bike and pedestrian facilities
- ✦ Add/improve shoulders, trail connections, bike and pedestrian infrastructure to ensure safe connections to primary cycling corridors, transit facilities and Park-n-Rides
- ✦ Prioritize roadway safety, signage and shoulder improvements on primary corridors that separate bikes from cars and address unsafe conditions
- ✦ Focus public outreach and facility enhancements on corridors that improve cyclist-motorist shared use of county roads
- ✦ Complete intersection improvements at signalized and unsignalized intersections to improve safety for all modes and reduce congestion
- ✦ Add bikeable shoulders with reconstruction of roads where feasible
- ✦ No new general purpose lanes: Focus on intersections for capacity/safety improvements
- ✦ Partner to support shuttles to recreation destinations/first and final mile improvements
- ✦ ADA compliance and bike/pedestrian improvements in urbanized areas
- ✦ Improve intersections for safe and convenient access to transit stops and bike and pedestrian facilities
- ✦ Add/improve shoulders, trail connections, bike and pedestrian infrastructure to ensure safe and convenient connections to transit facilities and Park-n-Rides
- ✦ Provide alternatives/choice on major corridors
 - Improved transit service
 - Intersection improvements
 - Bike Improvements

➤ Managed Lanes

- ✦ When designing projects, integrate comprehensive project considerations, such as safety, resilience, advanced mobility, and impacts to vulnerable populations.
- ✦ Explore options to increase revenue necessary to implement the identified regional project priorities

✦ Adopt a Vision Zero Policy:

Category	Strategy
Policy	Adopt a goal of achieving zero injury or fatal traffic crashes in unincorporated Boulder County by 2035
Planning	Complete safety report every five years When planning capital program prioritize safety Emphasis on vulnerable roadway users- pedestrians and cyclists Biennial report card on progress Review and update multimodal standards as necessary
Collaboration	Work with CDOT/RTD/municipal partners to coordinate safety improvements
Engineering	Consider safety within all capital projects Emphasis on a system approach On-site debrief after every fatal crash with all relevant partners Evaluation of county speed limits

PROJECTS

Boulder County completes a number of regular maintenance and resurfacing projects every year. Those projects are not included in the project list as part of this planning effort. It is assumed that those projects are part of the regular maintenance program and will not result in significant change. Major reconstruction projects are defined as projects that are more intensive than regular maintenance projects and will consider changes to the existing roadway conditions.

TABLE 1: PROPOSED ROADWAY PROJECTS

Map ID	Project Name	Project Extents	Project Status	Funding Status
R1	75 th Street – Plateau Road Intersection Improvements	At intersection	Conceptual – On-hold*	Programed in RST but Not Funded (sales tax)
R2	SH 66 Improvements	Main Street to Hover Street	Conceptual*	Programed in RST
R4	71 st Street Improvements (w/ Multiuse Path)	SH 52 to Lookout Road	Planned - Under Construction	FY19 Funding (sales tax & federal)
R6	95 th Street Reconstruction	Lookout Road to City of Longmont	Planned - Under Construction	FY19 Funding (sales tax)

Map ID	Project Name	Project Extents	Project Status	Funding Status
R6.1	95 TH Street Reconstruction & Resiliency Improvements	Boulder Creek to Lookout Road	Conceptual – On Hold*	Programed but only Partially Funded (sales tax & UDFCD)
R8	US 287 and Isabelle Road Intersection Safety Improvements	At intersection	Designed – In Design	Funded (sales tax & CDOT safety funding)
R10	SH 7 and N 119 th Street Intersection	At intersection (CDOT, Town of Erie & Lafayette)	Conceptual - Designed	Programed in RST but only Partially Funded (sales tax)
R11	South Boulder Road Widening	Mallory Drive to 120 th Street	Planned - Under Construction	FY19 Funding (City, federal & sales tax)
R12	120 th Street Bridge over Coal Creek (Lafayette)	South Boulder Road to Horizon Ave	Conceptual - Designed	Programed in RST but not (sales tax)
R13	SH 42 Improvements (Louisville)	Pine Street to Lock Street and Intersection	Conceptual – On-hold*	Not Funded (sales tax)
R14	SH 42 Improvements (Louisville)	Hecla Drive Intersection	Conceptual – On-hold*	Not Funded (sales tax)
R15	SH 42 Improvements (Louisville)	Short Street to Pine Street	Conceptual*	Programed in RST but only Partially Funded (sales tax)
R16	SH 42 Pedestrian Underpass	South of Paschal Drive	Planned - Designed	FY20 Funding (City & sales tax)
R17	SH 7 Bike lanes (Lyons)/US 36	5 th Avenue to Broadway in Lyons	Conceptual – On-hold*	Not Funded (sales tax)
R19	Dillon Road Improvements & Multiuse Path (City of Broomfield)	Sheridan Ave to US287	Planned - Under Construction	FY19 C&C of Broomfield Funding
R20	East County Line Road Improvements	St Vrain Creek to Highway 52	Conceptual – Master Plan underway*	Programed in RST but Partially Funded
R21	East County Line Road Improvements	Highway 52 to Jay Road (Erie)	Conceptual – Master Plan underway*	Programed in RST but Partially Funded
R22	SH 170 Connection	SH 93 to Eldorado Springs	Conceptual – Master plan underway*	Programed in RST but Not Funded
R23	South Boulder Road Reconstruction	Boulder to Louisville	Designed - In design	Partially Funded
R24	Baseline Road Structure Replacement & Potential Pedestrian Underpass	At Dry Creek Trailhead	Conceptual – Master Plan underway*	Not Funded
R27	Overland Road Bridge Replacement	St Vrain Creek (west of Jamestown)	Conceptual*	Potential resiliency improvement
R28	Eldora Ski Road Reconstruction	County Road 130 to Eldora Ski Hill	Conceptual*	Not Funded
R29	Bridge at 61 st Street and Boulder Creek	At water crossing	Conceptual*	Not Funded
R29.1	Bridge at 75 th Street and Boulder Creek	At water crossing	Conceptual*	Not Funded
Projects Identified by PELs				
R30	SH 7 Road Expansion to Two Lanes	119 th Street to County Line Road	Planned - Adopted in SH 7 PEL Study	Not Funded
R31	SH 93 Intersection Improvements	SH 170 south past the county boundary	Planned - Adopted in WestConnect PEL Study	Not Funded
R32	SH 93 and SH 128 Underpass	At the intersection	Planned - Adopted in WestConnect PEL Study	Not Funded

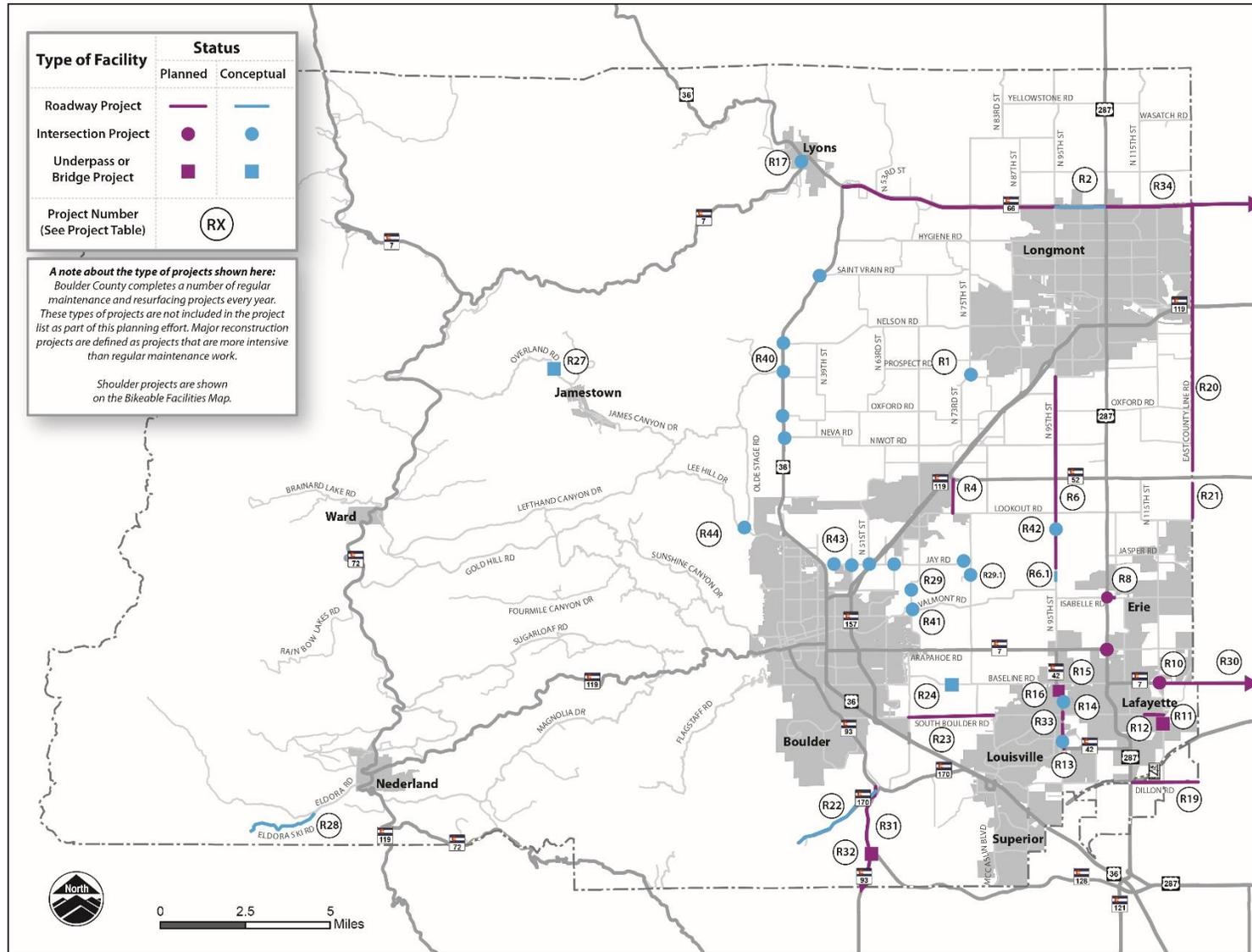
Map ID	Project Name	Project Extents	Project Status	Funding Status
R33	SH 42 Improvements	Pascal Drive to Lock Street	Planned - Adopted in 42 Gateway PEL Study	Not Funded
R34	SH 66 PEL Passing Lanes	Lyons to County Road 19	Conceptual – Preferred Alternative in SH 66 PEL Study	Not Funded
Safety Focused Improvements				
R40	US 36 Intersection Safety Improvements with Striping and/or Green Pavement Treatments	At the intersections	Conceptual – Safety analysis*	Not Funded
R41	Valmont Road/61 st Street Phasing Considerations	At the intersection	Conceptual – Safety analysis*	Not Funded
R42	95 th Street/Gunbarrel Ridge Striping and Signage Improvements	At the intersection	Conceptual – Safety analysis*	Not Funded
R43	Jay Road Improvements: Green striping and signage primarily at intersections	At the intersections and curve near 75 th Street	Conceptual – Safety analysis*	Not Funded
R44	Lee Hill Drive and Olde Stage Road Striping Improvements	At the intersection	Conceptual – Safety analysis*	Not Funded

* Indicates that more study needs to be completed to evaluate the feasibility of implementation

REHABILITATION AND MAINTENANCE IMPLEMENTATION ACTIONS PROPOSED RECOMMENDATIONS

- ✦ Maintain and rehabilitate roadway, bicycle and pedestrian, and transit facilities with the highest priority on regional connections, destinations, and corridors that serve the most people
- ✦ Repair, rehabilitate and replace bridges at the most cost effective time with a goal of no county bridges rated structurally deficient or functionally obsolete
- ✦ Maintain transportation system for safety and convenience for all travel modes
- ✦ Maintain a five-year Resurfacing Plan with the goal of pavement quality index (PQI) of 7 on a scale of 1 (poor) to 10 (excellent) on primary county connections
- ✦ Complete regular maintenance on shoulders and regional trails

FIGURE 1: PROPOSED ROADWAY PROJECTS



TRANSIT PROPOSED RECOMMENDATIONS

- ✦ Invest in county transit service through new route development, service buy ups, technological enhancements and operations support while promoting long-term stability of the existing transit system
- ✦ Support development of bus rapid transit in regional corridors connecting Boulder County communities to the region
- ✦ Support Northwest Commuter Rail, including analysis of Peak Service
- ✦ Focus transit investments on programs that reduce vehicle miles traveled, provide service to underserved communities, and enhance corridor service in key travel corridors
- ✦ Expand and supplement existing Boulder County Business and Community Eco Pass programs with the goal of a countywide community pass program serving all county residents and employees
- ✦ Enhance north/south transit connections along the Front Range, connecting the Denver metro area to the communities along U.S. 36 and Interstate 25 (I-25) corridors, extending north to Northern Colorado communities
- ✦ Enhance east/west connections from communities in east and central Boulder County to the I-25 corridor
- ✦ Implement transit service and other mobility services, improvements, and expansion to and among mountain communities and recreational destinations
- ✦ Enhance bus stop facilities, including benches, concrete pads, shelters, bike racks as well as route or schedule information to increase safety
- ✦ Investigate additional seasonal/special services to meet travel demands that have concentrated peaks of demand
- ✦ Monitor bus stops and make recommendations for improved locations
- ✦ Develop partnerships with communities with anticipated increased travel to and from Boulder County (i.e. Larimer, Weld, Adams Counties, and the municipalities within them) to improve mobility
- ✦ Evaluate and pursue alternate transit service delivery options to provide increased transit service within the RTD service area above and in areas outside of the RTD service area

PROJECTS

TABLE 2: PROPOSED TRANSIT PROJECTS

Map ID	Project Name	Project Extents	Project Status	Funding Status
T4	SH 119 Regional Service Extension	US 287 to SH 119 and I-25 Park and Ride	Conceptual*	Not Funded
T5	Northwest Corridor Commuter Rail	Denver to Longmont	Conceptual – In NAMS	Not Funded
T5.1	Peak Service for Northwest Corridor Commuter Rail	Denver to Longmont	Conceptual – In Analysis	Not Funded
T6	SH 119 BRT	Boulder to Longmont	Conceptual – In NAMS, In Design	Partially Funded (TIP Regional Share)
T7	SH 119 Regional Service Extension to I-25 via SH 52	I-25/SH 52 via SH 52 then SH 119SH	Conceptual	Not Funded
T8	US 287 BRT	Broomfield to Longmont	Conceptual – In NAMS	Not Funded
T10	SH 7 BRT	Lafayette to east of county boundary	Conceptual – In NAMS	Not Funded
T12	Eldorado Canyon Seasonal Shuttle	SH 93 to Eldorado Canyon	Conceptual*	Not Funded
T13	Nederland to Black Hawk Special Service	Nederland to Black Hawk	Conceptual*	Not Funded
T14	Hessie Trailhead Fourth of July Seasonal Shuttle Extension	Extension past current shuttle terminus	Conceptual*	Not Funded
T15	Lyons to Longmont Special Service	Lyons to Longmont	Conceptual*	Not Funded
T17	Brainard Lake Seasonal Shuttle	TBD	Conceptual*	Not Funded
T18	FLEX service expansion	Existing routing	Conceptual*	Not Funded

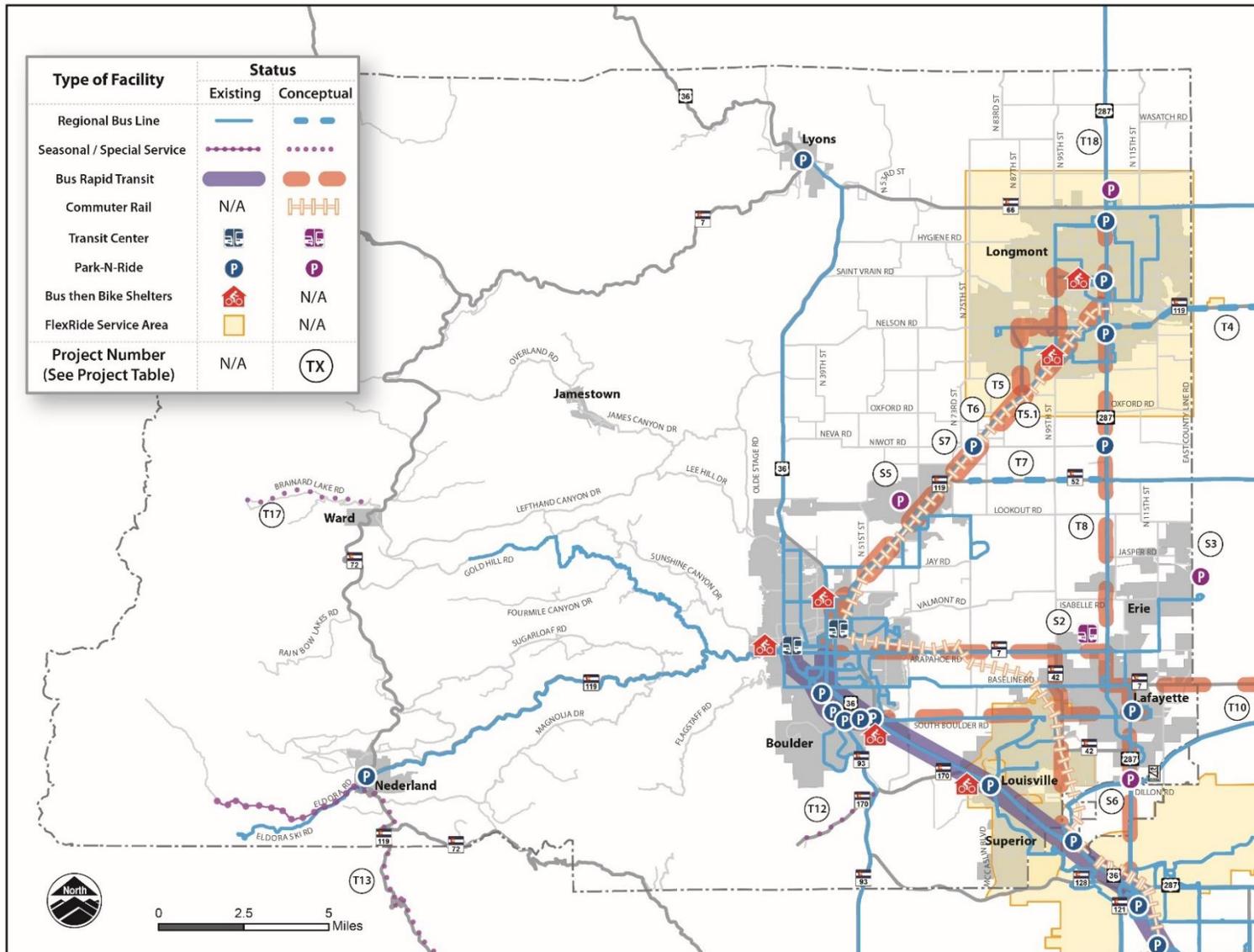
* Indicates that more study needs to be completed to evaluate the feasibility of implementation

TABLE 3: PROPOSED BUS STOP PROJECTS

Map ID	Project Name	Project Extents	Project Status	Funding Status
S2	Erie Transit Center	Near the intersection of Arapahoe Avenue and US 287	Conceptual*	Not Funded
S3	Erie Park and Ride	Erie Community Center	Conceptual*	Not Funded
S5	63 rd Park and Ride	Near the intersection of SH 119 and 63 rd	Conceptual*	Not Funded
S6	US 287 and Northwest Parkway	At the intersection	Conceptual*	Not Funded
S7	Niwot Park and Ride Expansion	At existing park and ride	Conceptual – As part of SH 119 BRT project	Not Funded

* Indicates that more study needs to be completed to evaluate the feasibility of implementation

FIGURE 2: PROPOSED TRANSIT PROJECTS



REGIONAL TRAIL, BICYCLE, AND PEDESTRIAN PROPOSED RECOMMENDATIONS

- ✦ Create a network of road-separated, hard-surface, year-round bicycle facilities that connect regional destinations:
 - Primary network of low-stress, hard-surface, year-round bicycle facilities that connect regional destinations in Boulder County
 - Secondary network of lower-stress, on-street bicycle facilities that connect key destinations in Boulder County
 - Tertiary network of bicycle facilities on roads that provides cyclists and motorists their own lanes
- ✦ Complete projects identified in the Regional Trails Program, including improvements on the following trails: Coal Creek, East Boulder, Longmont-to-Boulder (LOBO), Lyons-to-Boulder, Rock Creek, St. Vrain, U.S. 36, and Boulder-to-Erie (old Union Pacific right-of-way)
- ✦ Develop and plan future connections to western county destinations and a north-south connection in the east part of the county
- ✦ Repair, replace, and add sidewalks and bicycle connections in residential areas and to key transit connections
- ✦ Decrease travel time delays on regional transit associated with loading and unloading bicycles by providing Bus then Bike Shelters at identified locations
- ✦ Improve intersections for safe and convenient access to transit stops and bike and pedestrian facilities
- ✦ Add/improve shoulders, trail connections, bike and pedestrian infrastructure to ensure safe and convenient connections to transit facilities and Park-n-Rides
- ✦ Pave downhill pull outs and small sections of downhill shoulder to allow low stress passing lanes where possible
- ✦ Prioritize uphill shoulders on roadways with limited right-of-way
- ✦ Work with communities to integrate regional bike and open space goals

PROJECTS

TABLE 4: PROPOSED REGIONAL TRAIL PROJECTS

Map ID	Project Name	Project Extents	Project Status	Funding Status
P2	Lyons Trail Connection	Gunbarrel	Conceptual – Conceptual Trail Alignment in Comp Plan*	Not Funded
P3	St. Vrain Greenway – Phase II: 61 st to US 36	61 st to US 36	Conceptual*	Partially Funded (sales tax)
P4	St. Vrain Greenway – Phase III: Pella to 61 st	Pella to 61 st	Conceptual – On-hold*	Funded (sales tax)
P5	St. Vrain Greenway: Phase I: Golden Ponds to Pella	Golden Ponds to Pella	Designed – In Design	Partially Funded (sales tax)
P6	East Boulder Trail	East Boulder Trail	Conceptual	Unfunded
P7	LOBO Trail - William's Fork Connector	William's Fork Trail	Designed – In Design	Funded (sales tax)
P8	RTD Rail Trail	Erie to Boulder	Conceptual*	Funded (sales tax)
P10	East Boulder Trail	East Boulder	Conceptual*	Unfunded
P11	Coal Creek Trail – McCaslin Link	McCaslin Link	Conceptual*	Partially Funded (sales tax)
P12	Nederland Trails	County Road 130	Conceptual – In Design	Partially Funded (sales tax)

* Indicates that more study needs to be completed to evaluate the feasibility of implementation

TABLE 5: PROPOSED BIKEABLE FACILITY PROJECTS

Map ID	Project Name	Project Extents	Project Status	Funding Status
Primary Network of Low-stress, Hard-surface, Year-round bicycle facilities				
B1	Boulder to Longmont	TBD	Conceptual*	Not Funded
B6	Boulder to Lyons	TBD	Conceptual*	Not Funded
B12	Boulder to north Louisville/Lafayette	TBD	Conceptual*	Not Funded
B16	Boulder to Erie	TBD	In Planning	Not Funded
B25	Lafayette/Erie to Longmont	TBD	Conceptual*	Not Funded
B27	Longmont to Lyons	TBD	Conceptual*	Not Funded
B28	Longmont to Weld County	TBD	Conceptual*	Not Funded
B29	Longmont to Berthoud/Loveland	TBD	Conceptual*	Not Funded
B30	SH 7 Multi-use Path	119 th Street to East County Line Road	Conceptual – Adopted in SH 7 PEL Study	Not Funded
B31	SH 93 Multi-use Path	SH 170 south past the county boundary	Conceptual – Adopted in WestConnect PEL Study	Not Funded
B32	SH 66 Frontage Road/Bike facility	Lyons to County Road 19	Conceptual – Preferred Alternative in SH 66 PEL Study	Not Funded

Map ID	Project Name	Project Extents	Project Status	Funding Status
Secondary Network of Lower-stress, On-street bicycle facilities				
B8	Hygiene to Larimer County	83 rd Street/75 th Street	Conceptual*	Not Funded
B19	Eldorado Springs Drive/SH 170	SH 93 to Eldorado Springs	Conceptual*	Partially Funded (sales tax)
B20	Jay Road	US 36 to 75 th Street	Conceptual*	Not Funded
B24	73 rd Street/75 th Street	Niwot Road to Hygiene Road	Conceptual*	Not Funded
B33	SH 42 Bike Lanes	Pascal Drive to Lock Street	Conceptual – Adopted in 42 Gateway PEL Study	Not Funded
Tertiary Network of On-Street Facilities				
B2	Boulder Canyon Uphill Shoulder	Fourmile Canyon Drive to Sugarloaf	Conceptual*	Not Funded
B3	Fourmile Canyon Drive Uphill Shoulder	Boulder Canyon to Salina	Conceptual*	Not Funded
B4	Sunshine Canyon Drive Shoulder	Boulder to County Road 83 (end of pavement?)	Conceptual*	Not Funded
B5	Olde Stage Road Uphill Shoulders for both sides of hill	Top of hill to Lefthand Canyon Drive	Conceptual*	Not Funded
B7	Hygiene Road Shoulder	US 36 to 75 th Street	Conceptual*	Funded (sales tax)
B9	95 th Street Shoulder	Yellowstone Road to county boundary	Conceptual*	Not Funded
B10	71 st Street Shoulder	SH 52 to Lookout Road	Conceptual*	Not Funded
B11	79 th Street Uphill Shoulder	SH 52 to Lookout Road	Conceptual*	Not Funded
B12	Niwot Road Shoulder	95 th Street to US 287	Conceptual – In Design	Funded (sales tax)
B13	East County Line Road Shoulder	SH 52 to Jasper Road	Conceptual – In Erie TMP and listed within sales tax*	Sales Tax Funded
B15	SH 7 Shoulder	75 th Street to US 287	Conceptual*	Not Funded
B22	Isabelle Road Shoulder	95 th Street to Erie	Conceptual*	Funded (sales tax)
B23	East County Line Road Shoulder	SH 52 to Longmont	Conceptual*	Funded (sales tax)
B25	Lee Hill Road Uphill Shoulder	False summit, then true summit	Conceptual*	Not Funded
B26	Linden Avenue Shoulder	Boulder to North Cedar Brook	Conceptual – Lower priority*	Not Funded

* Indicates that more study needs to be completed to evaluate the feasibility of implementation

FIGURE 3: PROPOSED REGIONAL TRAILS PROJECTS

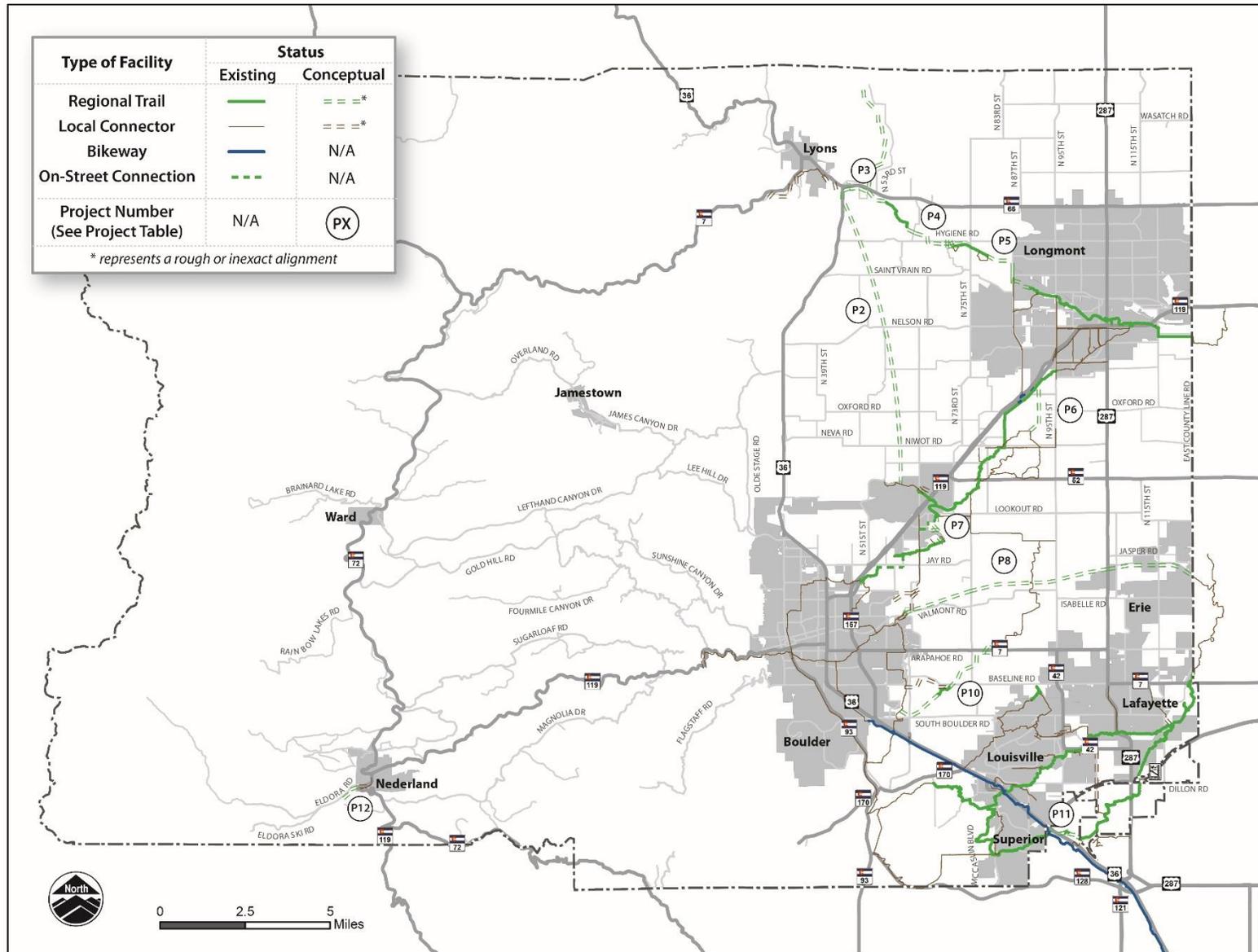
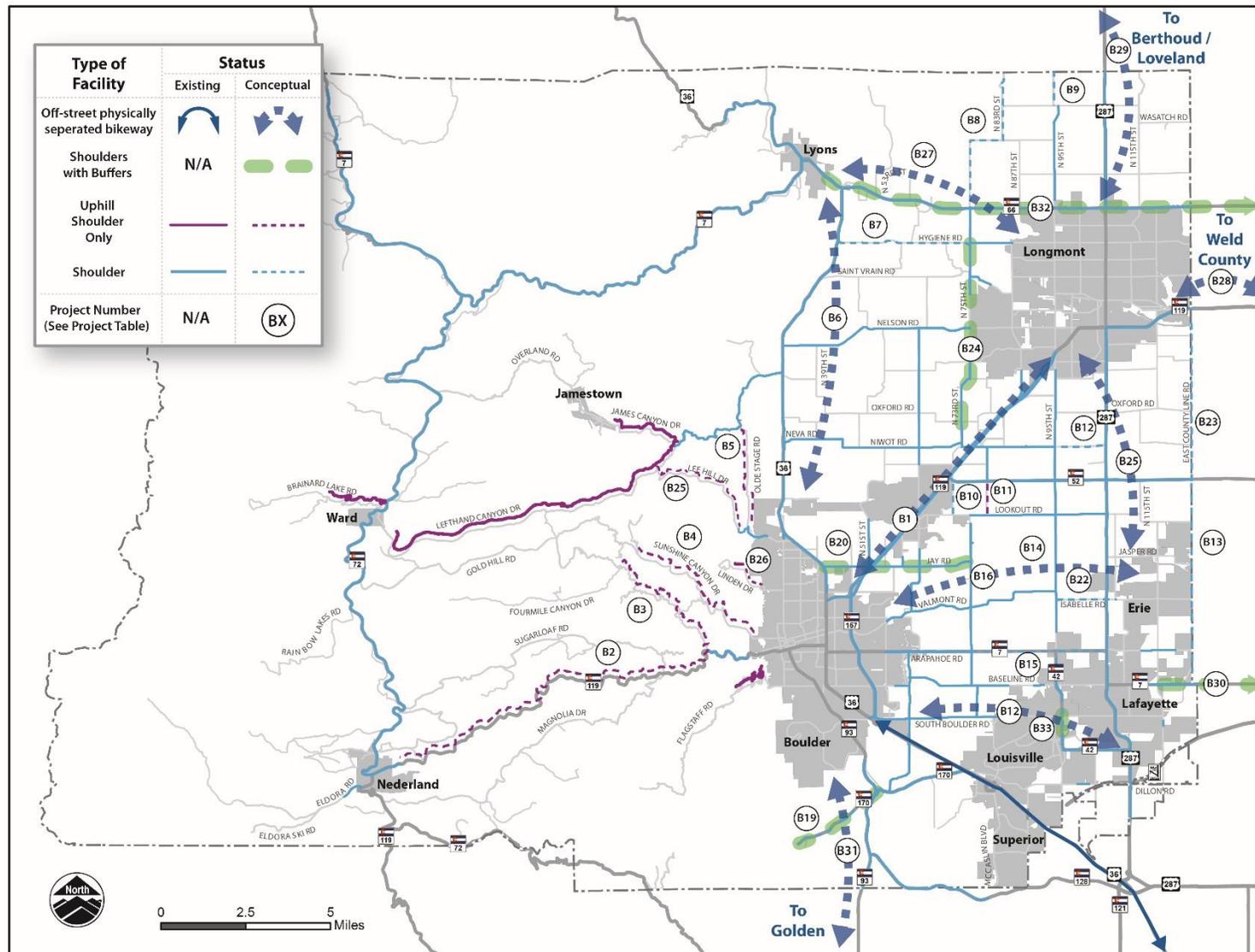


FIGURE 4: PROPOSED BIKEABLE FACILITIES PROJECTS



STRATEGY 2: CREATE THE COMPLETE TRIP

PROPOSED RECOMMENDATIONS

- ✦ Adopt project considerations process to consider a number of possible improvements within the project development phase
- ✦ Increase travelers' ability to use transit by providing infrastructure that enables walking and bicycling to and from bus stops (See Strategy 1: Create the Multimodal System for infrastructure information)
- ✦ Develop policy for addressing technology considerations within projects
- ✦ Develop a community-wide Eco-Pass program
- ✦ Support RTD in the creation of a low-income pass program
- ✦ Install variable message signs and smartphone applications that provide real-time transit information
- ✦ Increase bicycle carrying capacity on transit vehicles
- ✦ Conduct marketing and outreach activities to educate the public on available travel options
- ✦ Collaborate with cities and unincorporated areas to establish community-wide Eco Pass programs to make transit use easy, affordable and convenient for all residents and employees in the county
- ✦ Support new fare payment options and RTD's development of mechanisms for governments to subsidize passes via these new fare payment methods
- ✦ Support communities, transportation management organizations (TMOs) and other service providers to coordinate service delivery, share resources, collaborate on marketing & outreach, and offer multimodal corridor services
- ✦ Support school-based Transportation Demand Management (TDM) programs and safe routes to school programs in Boulder Valley and Saint Vrain school districts
- ✦ Promote active living, and associated public health benefits, by providing infrastructure that enables walking and bicycling to and from bus stops and local destinations
- ✦ Support TDM services along multimodal travel corridors, prioritizing geographic areas and major employers without existing programs or services
- ✦ Coordinate with Housing and Human Services to ensure transportation is considered in new housing development
- ✦ Develop policy for addressing technology considerations within projects

STRATEGY 3: INVEST IN KEY REGIONAL TRANSPORTATION CORRIDORS

PROPOSED RECOMMENDATIONS

- ✦ Prioritize moving people, not cars
- ✦ Provide alternatives/choice on major corridors
- ✦ Do not widen East-West corridors
 - Focus transit on SH7
 - Intersection improvements- for safety and capacity
 - Shoulders
- ✦ Support Northern Area Mobility Study (NAMS) corridor recommendations for:
 - Hwy 119
 - Hwy 42
 - Hwy 7
 - Hwy 287
 - South Boulder Road

TABLE 6: PROPOSED EAST-WEST CORRIDORS PROJECTS

Corridor	Valmont Rd/Isabelle Rd	SH 66	SH 52 (Mineral Rd)	SH 7 (Arapahoe Rd)	Baseline Rd
Transit			Bus rapid transit continuation from SH 119 Park and ride at I-25	Bus rapid transit/high frequency bus service Park and ride capacity improvements Bus stop enhancements/first and final mile amenities Local transit connection Queue jump lanes	
Regional Trails, Bicycle and Pedestrian	Regional trail connections along the Union Pacific Railroad/Boulder-to-Erie Corridor and St. Vrain, (include primary network bicycle connection from Lafayette/N Louisville to Boulder via SH 7, Baseline and/or BNSF corridor) Bikeable shoulders Bike and pedestrian grade separations at key crossings Study for preferred alignment for east-west grade separated bikeway (Baseline, Arapahoe, BNSF)				
System Management	Intersection enhancements to improve safety and convenience for all modes and reduce congestion Signal detection Crossing amenities Transit signal priority				

TABLE 7: PROPOSED NORTH-SOUTH CORRIDORS PROJECTS

Corridor	Foothills Pkwy	SH 42 (N. 95th St)	US 287	SH 93
Transit		Local transit connections	Feasibility study for bus rapid transit/North Front Range Connection	Improved transit between Golden and Boulder
		Park-n-ride capacity improvements Bus stop enhancements Bike storage Local transit connections Queue jump lanes		
Regional Trails, Bicycle and Pedestrian	Separated bike facility	Trail connections Bikeable shoulders Bike and pedestrian grade separations Shared-use paths		
System Management	Intersection improvements	Intersection enhancements to improve safety and convenience for all modes and reduce congestion Signal detection Crossing amenities Transit signal priority (TSP)		

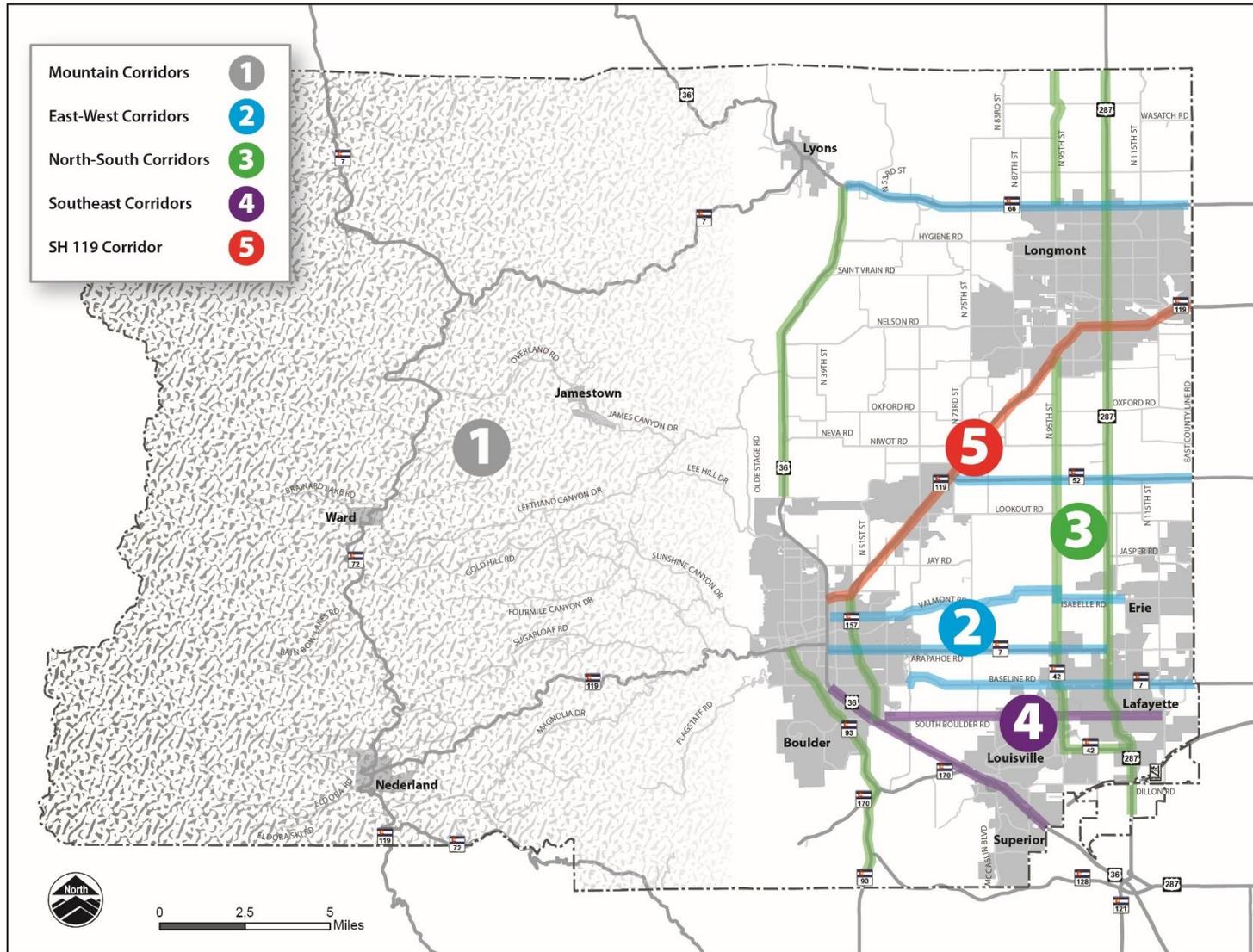
TABLE 8: PROPOSED SOUTHEAST CORRIDORS PROJECTS

Corridor	South Boulder Rd/ 120th St
Transit	High frequency transit
	Park and ride capacity improvements
	Bus stop enhancements/first and final mile amenities
	Local transit connections
Queue jump lanes	
Regional Trails, Bicycle and Pedestrian	Regional trail connections along Rock Creek/Coal Creek/US 36 Bikeway Grade separations at key roads and rail crossings and connections to local system
System Management	Intersection enhancements to improve safety and convenience for all modes and reduce congestion Signal detection Crossing amenities Transit signal priority (TSP)

TABLE 9: PROPOSED SH 119 PROJECTS

Corridor	SH 119 (Diagonal Highway)
Transit	Bus rapid transit (BRT)
	Northwest Commuter Rail
	Park and ride capacity improvements
	Bus stop enhancements
	Local transit connection improvements
	Bike storage
Regional Trails, Bicycle and Pedestrian	Trail connections Longmont-to-Boulder Bikeable Facility, parallel to SH 119 Bike and pedestrian connections to transit stations Bike and pedestrian grade separations at key crossings
System Management	Intersection at SH 52 to be split highway with the implementation of Northwest Commuter Rail Intersection enhancements to improve safety and convenience for all modes and reduce congestion Signal detection Crossing amenities Transit signal priority (TSP)

FIGURE 5: KEY REGIONAL CORRIDORS



STRATEGY 4: INCREASE ACCESSIBILITY

PROPOSED RECOMMENDATIONS

- ✦ Incorporate affordable transportation in affordable living programs
 - Ensure access to affordable transportation options when developing affordable housing
 - Pursue transit pass programs for affordable housing units
 - Improve access to more affordable fuel efficient vehicles for low-income households without transit access
 - Pursue mobility-as-a-service options for low-income, mobility disadvantaged populations
- ✦ Expand Transportation Options
 - Expand and enhance affordable and equitable mobility options for older adults, people with disabilities, individuals with low income, and others living with mobility limitations
 - Increase bike-to-transit workshop and earn-a bike programs to provide transportation options and make bus travel more accessible
- ✦ Increase Transportation Education
 - Provide individual and group travel training to teach people with limited mobility how to safely and confidently use public transportation
 - Publish and distribute maps and other information to educate all groups about the availability of transportation options
 - Create centralized trip booking and dispatch center
 - Support 'one-call' information and referral services to help those faced with mobility challenges
- ✦ Support school transportation at public and private schools
- ✦ Provide affordable school based mobility support
- ✦ Conduct Spanish-language outreach and public engagement
- ✦ Improve access to vehicles with reduced greenhouse gas emissions for low-income households
- ✦ Provide Transit Pass Assistance
 - Distribute subsidized transit passes for assisted housing sites and public schools for those who need transportation support
 - Increase housing-based or community-wide Eco Passes to enable more transit use
 - Support RTD in the creation of a low-income pass program

STRATEGY 5: ENHANCE MOUNTAIN AREA CONNECTIONS

PROPOSED RECOMMENDATIONS

- ✦ Historic Townsite and Canyon Communities Implementation Actions
 - Continue to work with historic townsites and canyon communities to address local goals and needs and to provide regional multimodal connections
 - Continue to provide support for public transit services such as “on-demand” transit solutions for mountain residents
- ✦ Incorporated Communities Implementation Actions
 - Support implementing strategies in respective comprehensive plans that provide a regional travel benefit and support Boulder County transportation policy goals
 - Support incorporated communities to identify and implement a permanent funding mechanism for the Eco Pass program
 - Help communities mitigate affects from recreation and through traffic
 - Implement public transit connections between mountain and plains communities
- ✦ Provide connections to mountain area recreational destinations
 - Evaluate shuttles at highly-congested trailheads
 - Brainard Lake Recreation Area: Provide shuttle access to Brainard Lake in coordination with U.S. Forest Service
 - Eldorado Canyon State Park/Trailheads: Enhance multimodal access to Eldorado Canyon State Park, including on-street bikeable shoulders along Highway 170, and a potential for shuttle service to the park and nearby trailheads
 - Eldora Mountain Resort: Explore providing shuttle access to Eldora Mountain Resort during peak recreational use
 - Hessie Trailhead: Continue operation of Hessie shuttle with potential expansion to 4th of July trailhead

FUNDING

	Program	Project/Program Estimate (in Millions)	Anticipated Funding (in Millions)	Gap (in Millions)
Boulder County System	Boulder County 5 Year Capital Improvement Program (CIP) 2018-2023	\$83	\$46	\$37
	Boulder County Sales Tax (sunsets 2024)	\$62	\$47	\$15
	Subdivision Local Road Paving	\$100	\$0	\$100
	Boulder County System Total	\$245	\$93	\$152
Key Regional Corridors	SH 119 BRT/Managed Lanes/Bikeway	\$230	\$53	\$177
	SH 7 BRT/Managed Lanes/Bikeway	\$172	\$12	\$160
	SH 287 BRT/Intersections/Bikeway	\$57	\$6	\$51
	SH 42/95th	\$27	\$7.8	\$19.2
	28 th St/Broadway BRT	\$26	\$0	\$26
	SH 93 Mobility/Safety Improvements	\$133	\$0	\$133
	SH 66 Mobility/Safety Improvements*			
	Subtotal	\$645	\$78.8	\$566.2
	Northwest Rail	\$1,600	\$0	\$1,600
Key Regional Corridor Total	\$2,245	\$78.8	\$2,166.2	
Grand Total		\$2,490	\$171.8	\$2,318.2

* Planning and Environmental Linkages Study in progress

PROPOSED RECOMMENDATIONS

- ✦ Explore options to increase revenue necessary to implement the identified regional project priorities