

**AGENDA
TRANSPORTATION ADVISORY COMMITTEE**

Monday, September 25, 2023 1:30 p.m.

1st Floor Aspen & Birch Conference Room

***In-Person Meeting with Virtual Option for Public (via Zoom)**

1. Call to Order
2. Public Comment
3. August 28, 2023 TAC Meeting Summary
(Attachment A)

ACTION ITEMS

4. Transportation Improvement Program Policy Amendments
(Attachment B) Josh Schwenk, Planner
5. Regional Transportation Operations and Technology Project Selection
(Attachment C) Greg MacKinnon, Program Manager Transportation Operations
6. Corridor Set Aside Selection
(Attachment D) Nora Kern, Subarea and Project Planning Program Manager

INFORMATIONAL BRIEFINGS

7. Statewide Transit Planning Update
(Attachment E) Cole Neder, Senior Transit Planner

INFORMATIONAL ITEM

8. Strengthening Mobility and Revolutionizing Transportation and Reconnecting Communities and Neighborhoods Grants Informational Forms
(Attachment F) Nora Kern, Subarea and Project Planning Program Manager

ADMINISTRATIVE ITEMS

9. Member Comment/Other Matters
 - Advanced Mobility Partnership Working Group Update
10. Next Meeting – October 23, 2023
11. Adjournment

ATTACH A

ATTACHMENT A
MEETING SUMMARY
TRANSPORTATION ADVISORY COMMITTEE WORK SESSION
Monday, August 28, 2023
***In-Person Meeting with Virtual Option for Public (via Zoom)**

MEMBERS (OR VOTING ALTERNATES) PRESENT:

Kellee Van Bruggen (Alternate)	Adams County – City of Arvada
Sara Dusenberry	Adams County – City of Northglenn
Jim Katzer (Alternate)	Arapahoe County
Brent Soderlin	Arapahoe County – City of Littleton
Phil Greenwald (Vice Chair)	Boulder County – City of Longmont
Alex Hyde-Wright	Boulder County
David Gaspers	Denver, City & County
Justin Begley	Denver, City & County
Jennifer Barlett (Alternate)	Denver, City & County
Art Griffith	Douglas County
Justin Schmitz	Douglas County – City of Lone Tree
Chris Hudson (Alternate)	Douglas County – Town of Parker
Mike Whitaker	Jefferson County – City of Lakewood
Christina Lane	Jefferson County
Brodie Ayers	Aviation Special Interest Seat
Jeffrey Boyd	Housing Special Interest Seat
Carson Priest	Transp. Demand Mgmt. Special Interest Seat
Jessica Myklebust	CDOT Region 1
Jim Eussen (Alternate)	CDOT Region 4
Marissa Gaughan (Alternate)	CDOT DTD
Wally Weart	Freight Special Interest Seat
Ron Papsdorf	DRCOG
Frank Bruno	Via Mobility
Bill Sirois	RTD

ADDITIONAL ALTERNATES (OR MEMBERS AND ALTERNATES ATTENDING VIRTUALLY) PRESENT:

Matt Williams (Alternate)	Douglas County
Tom Moore	Regional Air Quality Council
Maria D’Andrea	Jefferson County – City of Wheat Ridge
John Firouzi (Alternate)	Jefferson County – City of Arvada
Mike Vanatta (Alternate)	Jefferson County
Aaron Bustow (Alternate)	FHWA (ex-officio)
Karie Erickson (Alternate)	Older Adults Special Interest Seat
Jordan Rudel (Alternate)	CDOT Region 1
Lisa Nguyen (Alternate)	Aviation Special Interest Seat
Jonathan Webster (Alternate)	Denver, City & County
David Krutsinger (Alternate)	Denver, City & County

Public: Josie Thomas, Allison Cutting, Classic Wagner, JoAnn Mattson, Danny Herrmann, Angie Drum, Josh Sender, Steven Sherman, Eric DeNardo, Azeb Seifu, Jeanne Shreve, Bridget Hart, Deanna McIntosh, Zeke Lynch, Jennifer Carpenter, Jen Lambrick, William Keenan, Eugene Howard

DRCOG staff: Josh Schwenk, Cam Kennedy, Emily Kleinfelter, Steve Cook, Ala Alnawaiseh, Lauren Kirgis, Jacob Riger, Jenny Wallace, Robert Spotts, Erik Braaten, Todd Cottrell, Pavlo Krokidis, Nora Kern, Sang Gu Lee, Kalie Fallon, Andy Taylor, Cole Neder, Emily Lindsey, Alvan-Bidal Sanchez, Brad Williams, Aaron Villere

Call to Order

Vice Chair Phil Greenwald called the meeting to order at 1:30 p.m.

Public Comment

Mr. Jacob Riger announced that Ms. Janet Lundquist is a new representative to the TAC for Adams County and that Ms. Karie Erickson, the alternate for Older Adults Special Interest Seat will be filling in for Ms. Hilary Simmons for the next couple of months.

July 24, 2023 TAC Meeting Summary

The summary was accepted with revisions to a spelling and name change.

INFORMATIONAL BRIEFINGS

Regional Transportation Demand Management Strategic Plan

Kalie Fallon, Emerging Mobility & Transportation Demand Management Planner, explained that the Regional Transportation Demand Management Strategic Plan project team includes the Denver Regional Council of Governments' staff and a consultant team led by UrbanTrans. The project team is working in partnership with member governments and stakeholders to develop various aspects of the plan, guided by a Stakeholder Steering Committee. The project team anticipates releasing a draft Transportation Demand Management Strategic Plan with specific tactical actions later this year for public and stakeholder review and comment. The draft recommendations fall into three categories: planning, policy, and services. There are a total of 10 recommendations.

Mr. Alex Hyde Wright inquired about the cost-benefit analysis and how it applies to the strategies being crafted. Ms. Fallon replied that return on investment will be factored into the case studies based on prior examples.

Mr. Hyde-Wright expressed Boulder County's support for multiple aspects of the plan including expanding the safe routes to school program, looking at opportunities to reduce the local match for Transportation Demand Management projects that focus on

historically underserved communities, and the focus on nontraditional commutes, disabilities, and expanding language access as part of the overall effort.

Mr. David Krutsinger stated that the recommendation to add Transportation Demand Management to Transportation Improvement Program project requirements has potential complexities that need to be considered given the scope of Transportation Demand Management covering topics ranging from zoning to operating to maintenance, education programs, and capital investments.

Taking Action on Regional Vision Zero Plan Update

Emily Kleinfelter, Safety/Regional Vision Zero Planner, explained that staff have been working on the strategic update to Taking Action on Regional Vision Zero, focused on Chapter 6, to be more in line with emerging best practices in transportation safety.

The objectives for this strategic update are to:

- Consider focused changes to the adopted Taking Action on Regional Vision Zero, including updates to key chapters.
- Take a holistic approach to updating the Implementation Plan Action Initiatives to create a valuable and sustainable approach to addressing multiple aspects of safety across the region, to achieve zero fatalities and serious injuries.
- Develop an accompanying story map as a resource for staff, local government members, regional partners, safety stakeholders, and the public.
- Meet upcoming state accessibility requirements.

Mr. Justin Begley inquired about the role of evaluation. Ms. Kleinfelter concurred and encouraged everyone to attend the upcoming Vision Zero Workshop where funding, resources, and implementation will be discussed in great detail.

Mr. Mike Whitaker stated that since 2016 in Lakewood, all crash types have gone down, and cameras have played a huge part. This is because camera recordings have helped the city see what issues are recurring and then focus on addressing those specific issues. Seeing the crash reports unredacted, for example, is critical because it allows staff to see the full scope of what happened and why it happened.

Mr. Frank Bruno stated the long-term viability of this program will come down to what local governments can do. In terms of enforcement, speeding seems to be on the rise and that is something local governments will have to address because the plan can only do so much.

Regional Crash Data Consortium Update

Erik Braaten, Crash Data Consortium Senior Planner, stated that over the past year, the Denver Regional Council of Governments has been engaging with member governments and state and federal stakeholders to investigate and demonstrate the value of a regional crash data consortium to inventory the needs of the region and work to identify and address common issues with crash data collection, processing, and

analysis. This project is funded by the National Highway Traffic Safety Administration 405c Traffic Records Improvement Grant and administered by the Colorado Department of Transportation.

Work will continue with the consortium stakeholders to develop and implement solutions to improve crash data used to identify safety improvements and other programs and projects in the Denver region. A final report will be published in September 2024 that will include recommendations to address issues identified by the consortium and strategies for the continuation of the consortium following the expiration of the original 405c grant funding.

Mr. Ron Papsdorf asked what barriers are being experienced in the region regarding the timeliness of crash data availability for diagnosis and analysis of crash trends. Mr. Braaten replied that many states, including Connecticut and Wisconsin, quickly geocode and upload data so that the public and stakeholders can see crash data location and information in almost real-time. Mr. Jacob Riger emphasized this project is critical to address the crash data analysis and evaluation issues raised in the previous agenda item and encouraged everyone to attend the Regional Crash Data Consortium workshop on September 28.

Colorado Department of Transportation Region 1 Bicycle and Pedestrian Safety Study
Emily Kleinfelter, Safety/Regional Vision Zero Planner, introduced Azeb Seifu, Colorado Department of Transportation Region 1 Traffic Safety and Operations Unit Planner, who explained that the Colorado Department of Transportation Region 1 recently completed a comprehensive Bicycle and Pedestrian Safety Study which directly contributes to the Denver Regional Council of Governments Regional Vision Zero objective of eliminating traffic fatalities and serious injuries by identifying critical safety enhancements for people walking and biking.

The Safety Study also aligns with the Denver Regional Council of Governments 2050 Regional Transportation Plan by addressing the core tenets of safety, active transportation, and multimodal mobility. The study focused on improving safety for bicyclists and pedestrians by identifying locations with a known crash history and identifying locations with factors known to contribute to higher risk for bicyclists and pedestrians so that improvement measures to improve safety could be put in place.

2050 Regional Transportation Plan – 2024 Cycle Amendments

Alvan-Bidal Sanchez, Transportation Planning Program Manager, presented that the next cycle amendments process will be initiated in September 2023 and conclude in mid-2024. The Denver Regional Council of Governments does not intend to conduct a Cycle Amendment process in 2025, so this will be the last opportunity to request project-based amendments until the development and adoption of the next federally required four-year update to the 2050 Regional Transportation Plan. The anticipated

adoption date for the next Regional Transportation Plan is the second half of 2026. Project-based amendments that staff are soliciting include:

- Adding a new regionally significant project.
- Removing a regionally significant project.
- Major changes to an existing regionally significant project, including:
 - Major scope changes.
 - Major cost or funding changes.
 - Completion year changes.

All proposed amendments must meet federal fiscal constraint requirements, meaning there must be reasonably expected funding to implement the proposed project. The 2050 Regional Transportation Plan as amended must also meet federal air quality conformity requirements and state transportation greenhouse gas emission reduction requirements.

Mr. Hyde-Wright inquired if the Denver Regional Council of Governments is soliciting amendment requests for non-regionally significant projects. Mr. Sanchez encouraged project sponsors to coordinate with Denver Regional Council of Governments staff to help determine the appropriateness of submitting a non-regionally significant project amendment request this cycle.

INFORMATIONAL ITEM

Multimodal Project Discretionary Grant Informational Forms

Ron Papsdorf, Division Director, Transportation Planning and Operations, informed the committee that the Denver Regional Council of Governments requested that agencies considering applying for an FY 2023 Multimodal Project Discretionary Grant submit information about their project and in response three submittals from three agencies were sent to the Denver Regional Council of Governments. The information is available for review within the agenda packet.

ADMINISTRATIVE ITEMS

Member Comment/Other Matters

- Advanced Mobility Partnership Working Group update
Mr. Carson Priest stated that during the monthly meeting, several informational briefings were presented. Staff from the Denver Regional Council of Governments discussed ongoing bus rapid transit work, and Regional Transportation District staff addressed the agency's new partnership program. The City of Golden discussed its new free transit circulator service, the Ore Cart. Lastly, the Colorado Energy Office discussed its Community Accelerated Mobility Project opportunities.

- End-of-Year Meeting Schedule

Mr. Riger led the committee through a Mentimeter poll to understand preferences for scheduling the committee meetings during November and December. The poll results reflected a preference for combining the November and December meetings into a single joint meeting during the first half of December.

Mr. Papsdorf reported that following the Transportation Advisory Committee's recommended approval of the FY 2024-2027 Transportation Improvement Program, the Regional Transportation Committee and the Board of Directors subsequently approved it. Staff are currently working through details to get approval from the Federal Highway Administration and the Environmental Protection Agency. Mr. Papsdorf thanked the staff for managing through a very complex process and thanked those around the room and their own agencies and staff for working with the Denver Regional Council of Governments through the complex and time-consuming process to get the Transportation Improvement Program approved.

Next Meeting – September 25, 2023

Adjournment

There were no additional comments and the meeting adjourned at 3:20 p.m.

ATTACH B

ATTACHMENT B

To: Chair and Members of the Transportation Advisory Committee

From: Josh Schwenk, Planner, 303-480-6771 or jschwenk@drcog.org

Meeting Date	Agenda Category	Agenda Item #
September 25, 2023	Action	4

SUBJECT

September 2023 Amendments to the *FY 2024-2027 Transportation Improvement Program*.

PROPOSED ACTION/RECOMMENDATIONS

DRCOG staff recommends approval of the proposed amendments because they comply with the current Transportation Improvement Program amendment procedures, as contained within the Board-adopted [Policies for Transportation Improvement Program Development](#).

ACTION BY OTHERS

N/A

SUMMARY

DRCOG's transportation planning process allows for Board-approved amendments to the current Transportation Improvement Program on an as-needed basis. Typically, these amendments involve the addition or deletion of projects, or adjustments to existing projects and do not impact funding for other projects in the Transportation Improvement Program.

The projects to be amended are shown below and listed in Attachment 1. The proposed amendments to the [FY 2024-2027 Transportation Improvement Program](#) have been found to conform with the State Implementation Plan for Air Quality.

Transportation Improvement Program Amendments:

TIP ID#	Sponsor	Title	Reason for Amendment	New/Removed Funding	Internal Funding Shifts
2007-096	CDOT Region 1	Region 1 Surface Treatment Pool	Remove two and add four pool projects	N/A	Transfer \$9,500,000 in state Surface Treatment funds to a new project - I70: Chief Hosa to W Colfax
2016-057	CDOT Region 1	Region 1 RPP Pool	Transfer funding to new project I70: Chief Hosa to W Colfax	N/A	Transfer \$9,000,000 in state RPP funds to I70: Chief Hosa to W Colfax
2022-074	CDOT Region 1	Region 1 Arterial BRT and Transit Improvements Pool	Add one pool project	N/A	Transfer \$13,349,000 in state Legislative funds and \$10,000,000 in state Legislative-Transit funding to TIP ID# 2024-008

TIP ID#	Sponsor	Title	Reason for Amendment	New/Removed Funding	Internal Funding Shifts
2024-008	CDOT	Federal Blvd BRT - Preconstruction	Add funding from Region 1 Arterial BRT and Transit Improvements Pool	N/A	Add \$13,349,000 in state Legislative funds and \$10,000,000 in state Legislative-Transit funding from TIP ID# 2022-074
New Project	CDOT Region 1	I70: Chief Hosa to W Colfax	Add new project	N/A	Transfer \$9,000,000 in state RPP funds from TIP ID# 2016-057 and \$9,500,000 in state Surface Treatment funds from TIP ID# 2007-096

CO119 Modifications: The below amendments consolidate funding associated with the CO119 improvements into three TIP projects: 1) BRT elements within Boulder and Longmont led by RTD (2020-001), 2) bikeway design led by Boulder County (2020-013), and 3) operational improvements, BRT elements, and bikeway construction along the CO119 Diagonal Highway between Boulder and Longmont led by CDOT Region 4 (2020-081). This consolidates the majority of funding, including the DRCOG-awarded funding to Boulder County through FY 2022-2027 TIP Calls 1-4, to allow for coordinated construction of all elements along the corridor and for a clearer understanding for all the parties involved, including the public.

TIP ID#	Sponsor	Title	Reason for Amendment	New/Removed Funding	Internal Funding Shifts
2012-121	CDOT Region 4	Region 4 Non-Regionally Significant RPP Pool	Transfer funding for CO119/Hover to TIP ID# 2020-081	N/A	Transfer \$7,300,000 in state RPP funds to TIP ID# 2020-081
2020-001	RTD	CO119 BRT Enhancements in Boulder and Longmont	Transfer funding and scope from 2022-2027 TIP calls to TIP ID# 2020-081	N/A	Transfer \$4,743,000 in federal CMAQ funds, \$8,924,000 in federal MMOV-ARPA funds, \$6,000,000 in federal STBG funds, \$2,400,000 in state Legislative funds, and \$15,000,000 in RTD funds, to TIP ID# 2020-081.
2020-013	Boulder County	CO119 Bikeway: Boulder to Longmont – Preconstruction	Transfer funding and scope from 2022-2027 TIP calls to TIP ID# 2020-081	N/A	Transfer \$3,175,000 in federal CMAQ funds, \$3,985,000 in federal MMOV-ARPA funds, \$3,036,000 in federal STBG funds, and \$1,107,000 in state Legislative funds to TIP ID# 2020-081.

TIP ID#	Sponsor	Title	Reason for Amendment	New/Removed Funding	Internal Funding Shifts
2020-081	CDOT Region 4	CO119 Operational Improvements: Boulder to Longmont	Add scope and funding from TIP ID# 2020-001, 2020-013, 2020-084, and 2022-022 as well as new RAISE and CDOT TAP awards	Add \$25,000,000 in federal RAISE funds, \$1,679,000 in federal TA funds, \$19,672,000 in state Legislative funds, and \$2,000,000 in RTD funds	Add \$10,988,000 in federal CMAQ funds, \$17,909,000 in federal MMOV-ARPA funds, \$9,036,000 in federal STBG, \$3,507,000 in state Legislative funds, \$5,000,000 in state Legislative-Transit funds, \$7,770,000 in state RPP funds, and \$15,000,000 in RTD funds from other CO119 projects.
2020-084	Boulder County	CO119/CO52 Transit Bypass Lanes	Transfer funding and scope to TIP ID# 2020-081	N/A	Transfer \$3,070,000 in federal CMAQ funds, and \$470,000 in state RPP funds to TIP ID# 2020-081.
2022-022	CDOT Region 4	CO119/63 rd Transit Bypass Lanes	Transfer funding and scope to TIP ID# 2020-081	N/A	Transfer \$5,000,000 in federal MMOV-ARPA funds and \$5,000 in state Legislative-Transit funds to TIP ID# 2020-081.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to recommend to the Regional Transportation Committee the attached project amendments to the *FY 2024-2027 Transportation Improvement Program*.

ATTACHMENT

Proposed Transportation Improvement Program amendments

ADDITIONAL INFORMATION

If you need additional information, please contact Josh Schwenk, Senior Planner, Transportation Planning and Operations Division at 303-480-6771 or jschwenk@drcoq.org.

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

2007-096: Remove two pool projects, add four pool projects and transfer \$9,500,000 in state Surface Treatment funds to I70: Chief Hosa to W Colfax

Existing Project

Title: **Region 1 Surface Treatment Pool**

Project Type: **Roadway Reconstruction**

TIP-ID: **2007-096**

STIP-ID: **SR15215**

Open to Public:

Sponsor: **CDOT Region 1**

Project Scope

Projects in CDOT Region 1 to be approved for Pool Funding by Region 1 Director.



Affected County(ies)
Adams
Arapahoe
Broomfield
Denver
Douglas
Jefferson

Performance Measures
<input type="checkbox"/> Bridge Condition
<input type="checkbox"/> Congestion
<input type="checkbox"/> Freight Reliability
<input checked="" type="checkbox"/> Pavement Condition
<input type="checkbox"/> Safety
<input type="checkbox"/> Transit Assets
<input type="checkbox"/> Transit Safety
<input type="checkbox"/> Travel Time Reliability

All pool project funding depicts federal and/or state funding only.

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
SH-88 (Federal Blvd)	Alameda Ave to Louisiana Ave	\$3,000	SH-93	US-6/SH-58 to 58th Ave	\$4,000	I76	Emergency Repair	\$782
US-85	H. Ranch Pkwy to C-470	\$3,000	SH-72	I-70 to Indiana St	\$4,000	I70	MP 215.7 to MP 221	\$9,200
I-25	SH-86 to Castle Pines Pkwy	\$2,500	US-40	MP 252 to I-70	\$7,000	US85	Florida to I25	\$3,000
I-70	Floyd Hill to Chief Hosa	\$18,000	I-70	Chief Hosa to Colfax Ave.	\$9,500	US287	Evergreen DT to Cold Springs Gulch	\$7,200
SH-86	Woodlands Blvd to IREA Access	\$8,000	SH-391	Hampden Ave to Jewell Ave	\$4,000	US285	Federal to Dahlia	\$10,800
SH-7	I-25 to US-85	\$8,000	US-287	I-70 to 92nd Ave	\$6,600	I25	CO83 to Mississippi	\$6,300
I-76	York St to Dahlia St	\$21,000	SH-265	I-70 to US-6	\$4,600	US6	19th to Colfax	\$6,500
US-85	I-76 to 124th Ave	\$4,000	SH-8	Soda Lakes Rd to Bear Creek Blvd	\$1,000	I25	23rd to 44th	\$12,300
SH-224	I-25 to US-6	\$5,000	SH-83	Stroh Rd to Hilltop Rd	\$8,300			
SH-2	MLK Blvd to US-6	\$3,000	Design	Various Locations	\$2,000			

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (Surface)		\$40,157	\$42,864	\$42,823	\$42,823		
Local		\$0	\$0	\$0	\$0		
Total	\$16,782	\$40,157	\$42,864	\$42,823	\$42,823	\$0	\$185,449

Highlighted projects to be removed.

Revised Project Listing and Funding Table

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
SH-88 (Federal Blvd)	Alameda Ave to Louisiana Ave	\$3,000	SH-72	I-70 to Indiana St	\$4,000	US85	Florida to I25	\$3,000
US-85	H. Ranch Pkwy to C-470	\$3,000	US-40	MP 252 to I-70	\$7,000	US287	Evergreen DT to Cold Springs Gulch	\$7,200
I-70	Floyd Hill to Chief Hosa	\$18,000	SH-391	Hampden Ave to Jewell Ave	\$4,000	US285	Federal to Dahlia	\$10,800
SH-86	Woodlands Blvd to IREA Access	\$8,000	US-287	I-70 to 92nd Ave	\$6,600	I25	CO83 to Mississippi	\$6,300
SH-7	I-25 to US-85	\$8,000	SH-265	I-70 to US-6	\$4,600	US6	19th to Colfax	\$6,500
I-76	York St to Dahlia St	\$21,000	SH-8	Soda Lakes Rd to Bear Creek Blvd	\$1,000	I25	23rd to 44th	\$12,300
US-85	I-76 to 124th Ave	\$4,000	SH-83	Stroh Rd to Hilltop Rd	\$8,300	Alameda	Bryant to I25	\$3,500
SH-224	I-25 to US-6	\$5,000	Design	Various Locations	\$2,000	CO88	W Asbury to W Bellevue	\$9,000
SH-2	MLK Blvd to US-6	\$3,000	I76	Emergency Repair	\$782	CO72	I70 to W 52nd	\$5,000
SH-93	US-6/SH-58 to 58th Ave	\$4,000	I70	MP 215.7 to MP 221	\$9,200	CO121	4th to 37th	\$5,100

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (Surface)		\$40,157	\$33,364	\$42,823	\$42,823		
Local		\$0	\$0	\$0	\$0		
Total	\$16,782	\$40,157	\$33,364	\$42,823	\$42,823	\$0	\$175,949

2012-121: Transfer \$7,300,000 in state RPP funds to CO119 Operational Improvements: Boulder to Longmont (TIP ID# 2020-081)

Existing Project

Title: **Region 4 Non-Regionally Significant RPP Pool**

Project Type: **Roadway Operational Improvements**

TIP-ID: **2012-121**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope

Pool contains projects selected under the Non-Regionally Significant Regional Priority Program in CDOT Region 4 (DRCOG-TIP area only).



Affected County(ies)
Boulder
Weld

Performance Measures	
<input checked="" type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input checked="" type="checkbox"/>	Freight Reliability
<input checked="" type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input type="checkbox"/>	Transit Assets
<input type="checkbox"/>	Transit Safety
<input checked="" type="checkbox"/>	Travel Time Reliability

All pool project funding depicts federal and/or state funding only.

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
SH-88: WCR 7 Intersection Imp		\$1,000	Coffman St. Busway	\$1,230 in RPP in TIP# 2020-083	\$0			
SH-119/SH-52 Transit Bypass Lanes	\$470 in RPP in TIP# 2020-084	\$0	SH-119/Hover Intersection		\$7,300			

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (R P P)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$6,392	\$0	\$0	\$0	\$0	\$0	\$6,392

Revised Project Listing

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
SH-88: WCR 7 Intersection Imp		\$1,000	Coffman St. Busway	\$1,230 in RPP in TIP# 2020-083	\$0			
SH-119/SH-52 Transit Bypass Lanes	\$470 in RPP in TIP# 2020-081	\$0	SH-119/Hover Intersection	\$7,300 in RPP in TIP# 2020-081	\$0			

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

2016-057: Transfer \$9,000,000 in state RPP funds to I70: Chief Hosa to W Colfax

Existing Project

Title: **Region 1 RPP Pool**

Project Type: **Other**

TIP-ID: **2016-057**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 1**

Project Scope

CDOT Region 1 RPP Pool. Funds projects with RPP funds.



Affected County(ies)
Adams
Arapahoe
Broomfield
Denver
Douglas
Jefferson

Performance Measures	
<input checked="" type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input checked="" type="checkbox"/>	Freight Reliability
<input checked="" type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input type="checkbox"/>	Transit Assets
<input type="checkbox"/>	Transit Safety
<input checked="" type="checkbox"/>	Travel Time Reliability

All pool project funding depicts federal and/or state funding only.

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
Small projects/consultants/clo seouts		\$8,000	Design		\$2,000	Maintenance Paving Support IDIQ	Regionwide	\$1,000
local agency contributions	Included in various TIP pages	\$5,000	Steel Bridge Girders Cleanout	Regionwide	\$1,000			

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (R P P)		\$17,750	\$17,085	\$15,050	\$18,170		
State (TCC)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$0	\$17,750	\$17,085	\$15,050	\$18,170	\$0	\$68,055

Revised Funding Table

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (R P P)		\$17,750	\$8,085	\$15,050	\$18,170		
State (TCC)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$0	\$17,750	\$8,085	\$15,050	\$18,170	\$0	\$59,055

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

2020-001: Transfer funding (\$4,743,000 in federal CMAQ funds, \$8,924,000 in federal MMOF-ARPA funds, \$6,000,000 in federal STBG funds, \$2,400,000 in state Legislative funds, and \$15,000,000 in RTD funds) and scope from 2022-2027 TIP calls for projects to CO119 Operational Improvements: Boulder to Longmont (TIP ID# 2020-081)

Existing Project

Title: **CO119 BRT Enhancements in Boulder and Longmont**

Project Type: **Transit Operational Improvements**

TIP-ID: **2020-001**

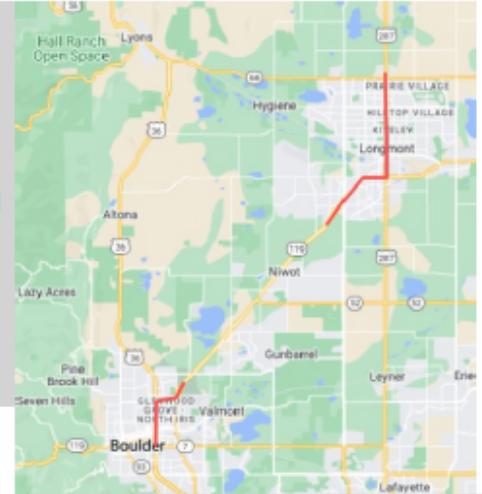
STIP-ID: **SDR5000**

Open to Public:

Sponsor: **RTD**

Project Scope

The project will construct BRT elements and Park-n-Ride stations along the entire CO119 corridor. Specific improvements include intersection safety improvements; transit bypass lanes at Jay Rd; BRT station platforms, Park-n-Ride, and bikeway underpass at 63rd St; transit queue jump and commuter bikeway tie-in at Airport Rd; and transit queue jump, BRT station platforms, and intersection improvements at Niwot Rd.



Affected Municipality(ies)
Boulder
Longmont

Affected County(ies)
Boulder

Project Phases	
Year	Phase
2024	Initiate Construction
2025	Initiate Construction

Performance Measures	
<input type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input type="checkbox"/>	Freight Reliability
<input type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input checked="" type="checkbox"/>	Transit Assets
<input checked="" type="checkbox"/>	Transit Safety
<input checked="" type="checkbox"/>	Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (CMAQ)		\$4,743	\$0	\$0	\$0		
Federal (MMOF-ARPA)		\$8,924	\$0	\$0	\$0		
Federal (RTD)		\$0	\$0	\$0	\$0		
Federal (STBG)		\$0	\$6,000	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (Leg)		\$350	\$2,050	\$0	\$0		
Local		\$4,960	\$1,700	\$0	\$0		
Total	\$25,000	\$18,977	\$9,750	\$0	\$0	\$0	\$53,727

Revised Project Scope and Funding Table

Project Scope

The project will construct BRT elements including bus stop improvements and Park-n-Ride stations in Boulder and Longmont.

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal (RTD)		\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
Local		\$8,000	\$8,000	\$0	\$0		
Total	\$0	\$8,000	\$8,000	\$0	\$0	\$0	\$16,000

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

2020-013: Transfer construction funding (\$3,175,000 in federal CMAQ funds, \$3,985,000 in federal MMOF-ARPA funds, \$3,036,000 in federal STBG funds, and \$1,107,000 in state Legislative funds) and scope from 2022-2027 TIP calls for projects to CO119 Operational Improvements: Boulder to Longmont (TIP ID# 2020-081)

Existing Project

Title: **CO119 Bikeway: Boulder to Longmont - Precon**

Project Type: **Bicycle and Pedestrian Projects (New)**

TIP-ID: **2020-013**

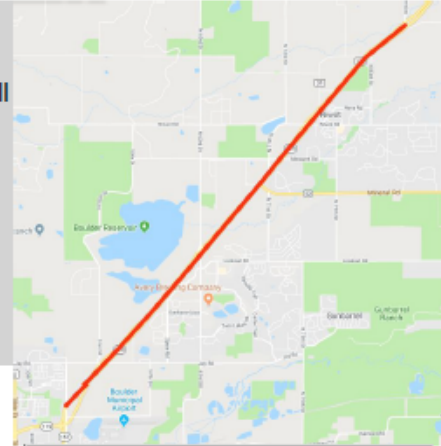
STIP-ID: **SDR5000**

Open to Public: **2025**

Sponsor: **Boulder County**

Project Scope

Complete pre-construction and construction of a bikeway along CO119 from Boulder to Longmont. Funding includes Jay and 63rd (call 1), 63rd to CO52 (call 2), CO52 to Niwot (call 2), and Niwot to Airport (call 4).



Affected Municipality(ies)	Affected County(ies)	Project Phases	
Unincorporated	Boulder	Year	Phase
		2024	Initiate Construction
		2025	Initiate Construction

Performance Measures	
<input type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input type="checkbox"/>	Freight Reliability
<input type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input type="checkbox"/>	Transit Assets
<input type="checkbox"/>	Transit Safety
<input type="checkbox"/>	Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (CMAQ)		\$3,175	\$0	\$0	\$0		
Federal (MMOF-ARPA)		\$3,985	\$0	\$0	\$0		
Federal (STBG)		\$0	\$3,036	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (Leg)		\$575	\$532	\$0	\$0		
Local		\$240	\$232	\$0	\$0		
Total	\$1,383	\$7,975	\$3,800	\$0	\$0	\$0	\$13,158

Revised Project Scope and Funding Table

Project Scope

Complete design and environmental clearances for a bikeway along CO119 from Boulder to Longmont.

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal (STBG)		\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$1,383	\$0	\$0	\$0	\$0	\$0	\$1,383

2020-081: Add scope and funding from TIP ID# 2020-001, 2020-013, 2020-084, 2022-022, as well as new RAISE and TAP awards and additional state Legislative funding. Note: FY20-23 is shown for ease of review and will be shown in the FY 2024-2027 TIP as prior funding

Existing Project

Title: **CO119 Operational Improvements: Boulder to Longmont**

Project Type: **Roadway Operational Improvements**

TIP-ID: **2020-081**

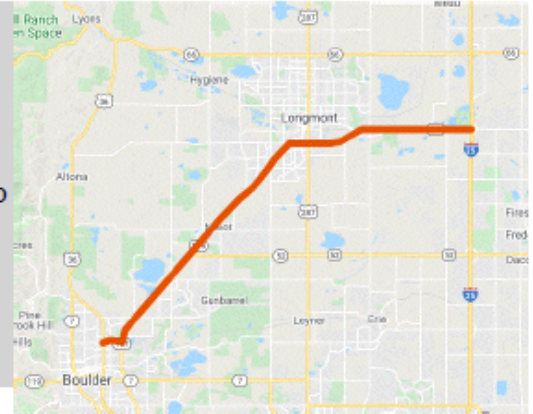
STIP-ID: **SDR5000**

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope

This project will improve safety and mobility on the SH-119 corridor from Boulder to Longmont. Project will design and construct capacity, transit, and pedestrian improvements at the intersection of SH-119/SH-52 with full reconstruction including queue jump lanes. Other sections under consideration are the intersections of SH-119/63rd St. and SH-119/Niwot Rd. with queue jump modifications.



Affected Municipality(ies)

Boulder
Longmont
Unincorporated

Affected County(ies)

Boulder

Performance Measures

- Bridge Condition
- Congestion
- Freight Reliability
- Pavement Condition
- Safety
- Transit Assets
- Transit Safety
- Travel Time Reliability

Amounts in \$1,000s	FY20	FY21	FY22	FY23	FY24	FY25	FY26	Total Funding
Federal (STBG-PAN)	\$0	\$0	\$3,200	\$0	\$0	\$0	\$0	
State (Leg)	\$500	\$2,983	\$0	\$32,817	\$0	\$0	\$0	
State (PRI)	\$162	\$164	\$0	\$0	\$0	\$0	\$0	
State (R P P)	\$0	\$50	\$0	\$0	\$0	\$0	\$0	
Local	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total	\$662	\$3,197	\$3,200	\$32,817	\$0	\$0	\$0	\$39,876

Revised Project Scope and Funding Table

Project Scope

This project will improve safety and mobility on the CO119 corridor from Boulder to Longmont. Project will design and construct: transit, intersection, safety and bike/pedestrian improvements at the intersections of Jay Rd, 63rd St, Niwot Rd, and Airport Rd; reconstruct CO52 and Hover St intersections; queue bypass lanes at: Jay Rd, 63rd St, CO52, Niwot Rd, Airport Rd (SB only); BRT stations at 63rd St, CO52 and Niwot Rd; Park-n-Rides at 63rd St and Niwot Rd; and bikeway from Foothills Pkwy to Hover St, including 6 underpasses and two bike/pedestrian bridges.

Amounts in \$1,000s	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	Total Funding
Federal (CMAQ)	\$0	\$0	\$0	\$3,070	\$7,918	\$0	\$0	\$0	
Federal (MMOF-ARPA)	\$0	\$0	\$0	\$500	\$17,409	\$0	\$0	\$0	
Federal (STBG)	\$0	\$0	\$0	\$0	\$0	\$9,036	\$0	\$0	
Federal (RAISE)	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	
Federal (TA-CDOT)	\$0	\$0	\$0	\$0	\$0	\$0	\$1,679	\$0	
Federal (STBG-PAN)	\$0	\$0	\$3,200	\$0	\$0	\$0	\$0	\$0	
State (Leg)	\$500	\$2,983	\$0	\$32,817	\$925	\$22,254	\$0	\$0	
State (Leg-T)	\$0	\$0	\$0	\$500	\$4,500	\$0	\$0	\$0	
State (PRI)	\$162	\$164	\$0	\$0	\$0	\$0	\$0	\$0	
State (R P P)	\$0	\$50	\$0	\$7,770	\$0	\$0	\$0	\$0	
Local	\$0	\$0	\$0	\$0	\$590	\$300	\$1,662	\$1,000	
Local (RTD)	\$0	\$0	\$0	\$4,860	\$10,640	\$1,500	\$0	\$0	
Total	\$662	\$3,197	\$3,200	\$49,517	\$41,982	\$58,090	\$3,341	\$1,000	\$160,989

2020-084: Transfer funding (\$3,070,000 in federal CMAQ funds, and \$470,000 in state RPP funds) and scope to CO119 Operational Improvements: Boulder to Longmont (TIP ID# 2020-081)

Existing Project

Title: **CO119/CO52 Transit Bypass Lanes**

Project Type: **Transit Operational Improvements**

TIP-ID: **2020-084**

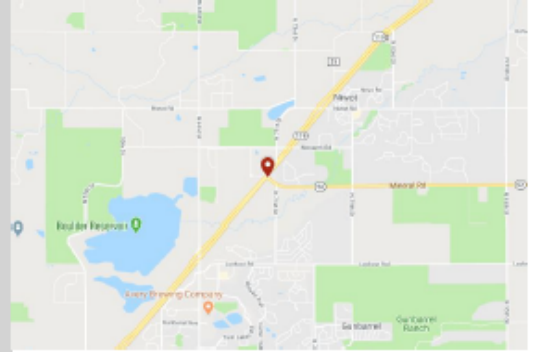
STIP-ID: **SDR5000**

Open to Public: **2024**

Sponsor: **Boulder County**

Project Scope

Design and construct transit bypass lanes on SH-119 at the northbound and southbound approaches to the SH-52 intersection.



Affected County(ies)

Boulder

Performance Measures

- Bridge Condition
- Congestion
- Freight Reliability
- Pavement Condition
- Safety
- Transit Assets
- Transit Safety
- Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (CMAQ)		\$0	\$0	\$0	\$0		
Federal (RTD)		\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (R P P)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$8,400	\$0	\$0	\$0	\$0	\$0	\$8,400

Revised Funding Table

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (CMAQ)		\$0	\$0	\$0	\$0		
Federal (RTD)		\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (R P P)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0

2022-022: Transfer funding (\$5,000,000 in federal MMOF-ARPA funds and \$5,000,000 in state Legislative-Transit funds) to CO119 Operational Improvements: Boulder to Longmont (TIP ID# 2020-081)

Existing Project

Title: **CO119/63rd Transit Bypass Lanes**

Project Type: **Transit Operational Improvements**

TIP-ID: **2022-022**

STIP-ID:

Open to Public: **2025**

Sponsor: **CDOT Region 4**

Project Scope

Construct transit bypass lanes at the 63rd St. intersection.



Affected Municipality(ies)		Affected County(ies)		Project Phases		Performance Measures	
Boulder		Boulder		Year	Phase	<input type="checkbox"/> Bridge Condition <input checked="" type="checkbox"/> Congestion <input type="checkbox"/> Freight Reliability <input type="checkbox"/> Pavement Condition <input type="checkbox"/> Safety <input type="checkbox"/> Transit Assets <input type="checkbox"/> Transit Safety <input checked="" type="checkbox"/> Travel Time Reliability	
				2024	Initiate Construction		

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (MMOF-ARPA)		\$4,500	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (Leg-T)		\$0	\$0	\$0	\$0		
Local		\$4,500	\$0	\$0	\$0		
Total	\$1,000	\$9,000	\$0	\$0	\$0	\$0	\$10,000

Revised Funding Table

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (MMOF-ARPA)		\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0		
State (Leg-T)		\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

2022-074: Add one pool project and transfer \$13,349,000 in state Legislative funds and \$10,000,000 in state Legislative-Transit funds to Federal Blvd BRT – Precon (TIP ID# 2024-008)

Existing Project

Title: **Region 1 Arterial BRT and Transit Improvements Pool**

Project Type: **Rapid Transit**

TIP-ID: **2022-074**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 1**

Project Scope

Regionwide pool for design and preconstruction activities for bus rapid transit (BRT) stations for arterial roads. Specific projects will not be listed.



Affected County(ies)
Regional

Performance Measures	
<input type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input type="checkbox"/>	Freight Reliability
<input type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input checked="" type="checkbox"/>	Transit Assets
<input checked="" type="checkbox"/>	Transit Safety
<input type="checkbox"/>	Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (Leg)		\$7,000	\$7,000	\$7,000	\$7,000		
State (Leg-T)		\$10,000	\$10,000	\$5,000	\$5,000		
Local		\$0	\$0	\$0	\$0		
Total	\$17,000	\$17,000	\$17,000	\$12,000	\$12,000	\$0	\$75,000

Revised Project Listing and Funding Table

Agency/Project Name	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)	Agency/Project Name (Cont)	Notes	Cost (1,000s)
Colorado Blvd	Early Action, NEPA, & 30% Design	\$6,000						

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (Leg)		\$1,664	\$2,987	\$5,000	\$5,000		
State (Leg-T)		\$4,000	\$6,000	\$5,000	\$5,000		
Local		\$0	\$0	\$0	\$0		
Total	\$17,000	\$5,664	\$8,987	\$10,000	\$10,000	\$0	\$51,651

2024-008: Add \$13,349,000 in state Legislative funds and \$10,000,000 in state Legislative-Transit funds from Region 1 Arterial BRT and Transit Improvements Pool (TIP ID# 2022-074)

Existing Project

Title: **Federal Blvd BRT - Precon**

Project Type: **Rapid Transit**

TIP-ID: **2024-008**

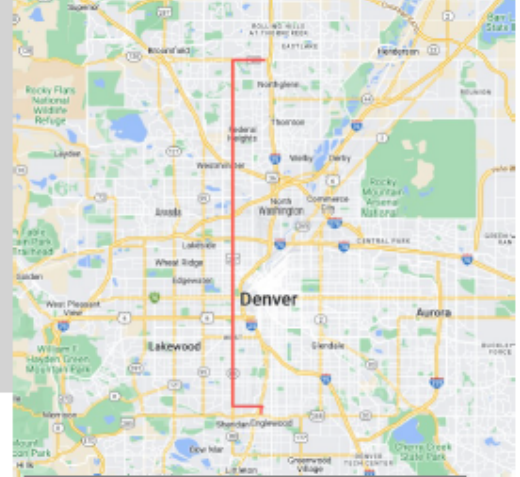
STIP-ID:

Open to Public:

Sponsor: **CDOT**

Project Scope

Design, environmental, and early action projects associated with side-running BRT. Final project will involve enhanced bus stops, sidewalk improvements, transit lane striping, and operational improvements including transit signal priority.



Affected Municipality(ies)
Denver
Englewood
Westminster
Unincorporated

Affected County(ies)
Adams
Arapahoe
Denver

Project Phases	
Year	Phase
2025	Initiate Design
2026	Initiate Design
2027	Initiate ROW

Performance Measures	
<input type="checkbox"/>	Bridge Condition
<input checked="" type="checkbox"/>	Congestion
<input type="checkbox"/>	Freight Reliability
<input type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input checked="" type="checkbox"/>	Transit Assets
<input checked="" type="checkbox"/>	Transit Safety
<input type="checkbox"/>	Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (RTD)		\$0	\$0	\$0	\$0		
Federal (STBG)		\$0	\$4,512	\$8,122	\$4,017		
State		\$0	\$0	\$0	\$0		
State (Leg-T)		\$0	\$4,063	\$5,453	\$8,133		
Local		\$0	\$3,950	\$1,750	\$0		
Total	\$0	\$0	\$12,525	\$15,325	\$12,150	\$0	\$40,000

Revised Funding Table

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
Federal (RTD)		\$0	\$0	\$0	\$0		
Federal (STBG)		\$0	\$4,512	\$8,122	\$4,017		
State		\$0	\$0	\$0	\$0		
State (Leg)		\$5,336	\$4,013	\$2,000	\$2,000		
State (Leg-T)		\$6,000	\$8,063	\$5,453	\$8,133		
Local		\$0	\$3,950	\$1,750	\$0		
Total	\$0	\$11,336	\$20,538	\$17,325	\$14,150	\$0	\$63,349

ATTACHMENT 1

Policy Amendments – September 2023

FY 2024-2027 Transportation Improvement Program

New Project: Add \$9,500,000 in state Surface Treatment funds from Region 1 Surface Treatment Pool (TIP ID# 2007-096) and \$9,000,000 in state RPP funds from Region 1 RPP Pool (TIP ID# 2016-057)

New Project

Title: **I70: Chief Hosa to W Colfax**

Project Type: **Roadway Reconstruction**

TIP-ID: **Request**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 1**

Project Scope

Resurfacing improvements on I70 from Chief Hosa to MP 259 (W Colfax Ave) to include guardrail improvements.



Affected Municipality(ies)	Affected County(ies)
Unincorporated	Jefferson

Performance Measures	
<input type="checkbox"/>	Bridge Condition
<input type="checkbox"/>	Congestion
<input type="checkbox"/>	Freight Reliability
<input checked="" type="checkbox"/>	Pavement Condition
<input checked="" type="checkbox"/>	Safety
<input type="checkbox"/>	Transit Assets
<input type="checkbox"/>	Transit Safety
<input type="checkbox"/>	Travel Time Reliability

Amounts in \$1,000s	Prior Funding	FY24	FY25	FY26	FY27	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0		
State (R P P)		\$0	\$9,000	\$0	\$0		
State (Surface)		\$0	\$9,500	\$0	\$0		
Local		\$0	\$0	\$0	\$0		
Total	\$0	\$0	\$18,500	\$0	\$0	\$0	\$18,500

ATTACH C

ATTACHMENT C

To: Chair and Members of the Transportation Advisory Committee

From: Greg MacKinnon, Program Manager, 303-480-5633 or gmackinnon@drcog.org

Meeting Date	Agenda Category	Agenda Item #
September 25, 2023	Action	5

SUBJECT

Regional Transportation Operations and Technology (RTO&T) *FY 2024-2027 Transportation Improvement Program (TIP) Set-Aside* program project funding recommendations.

PROPOSED ACTION/RECOMMENDATIONS

DRCOG staff recommends approval of the projects proposed by the RTO&T Set-Aside Project Review Panel.

ACTION BY OTHERS

[February 15, 2023](#) - Board of Directors approved *Regional Transportation Operations and Technology Strategic Plan*.

[March 15, 2023](#) - Board of Directors approved *Policies for FY 2024-2027 TIP Set-Aside Programs*.

SUMMARY

The DRCOG Board adopted the *FY 2024-2027 Transportation Improvement Program (TIP)* that included the Regional Transportation Operations & Technology (RTO&T) Set-Aside program at \$5 million per year.

The purpose of the set-aside is to fund implementation of the *Regional Transportation Operations & Technology Strategic Plan*, which guides the region's near-term efforts to deploy technology tools and coordinated system procedures for the multimodal transportation system.

The RTO&T Set-Aside contains the following components:

- RTO&T Improvement Projects (~\$4 million per year)
 - traffic signal systems, fiber optic communications, multimodal detection, monitoring cameras, interjurisdictional and intermodal management, and transportation data management and coordination.
- DRCOG Regional Transportation Operations Program Support Services (~\$1 million per year)
 - Technical services and support from DRCOG staff and engineering consultants for project implementation and optimization.

Accounting for previous project funding commitments and cost savings, approximately \$20 million is available for capital projects to be allocated over the next four fiscal years.

In April 2023, the Denver Regional Council of Governments issued a call for letters of intent with full applications due July 7, 2023. 19 applications with a total federal request of \$19,271,778 were considered by the project review panel.

The six-member project review panel evaluated the applications using the process and criteria established in the *Policies for FY 2024-2027 TIP Set-Aside Programs*. The panel's combined scoring and ranking were assessed together, resulting in the panel's recommendations below:

Sponsor	Project Title	Federal Amount
Aurora	Traffic Management Center	\$1,101,000
Louisville	Signal Technology Upgrade	\$545,000
Longmont	Smart Signals to Schools	\$891,120
Jefferson County	Traffic Camera System	\$248,000
CDOT R4	US 287 and CO 7 Traffic Signal Equipment and Detection Expansion	\$237,500
Denver	V2X Communication Devices (RSU) Expansion	\$1,700,000
Boulder	Communications Network and Signal System Performance Enhancement	\$1,204,000
Aurora	Communications Infrastructure Improvements	\$736,000
Littleton	Broadway Signal Interconnect (Phase 2)	\$2,963,000
Thornton	Travel Time Monitoring Expansion	\$101,200
Superior	Traffic Safety and Climate Resilience	\$99,300
Aurora	Traffic Signal Equipment Upgrade	\$1,021,000

The total recommended allocation is \$10,847,120 over the next three fiscal years. The unallocated funds are reserved for the next call-for-projects, which will be advanced to spring 2026 to allocate the remaining available funds.

These draft recommendations were also reviewed by the Advanced Mobility Partnership (AMP) Working Group and the Regional Transportation Operations (RTO) Working Group.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to recommend to the Regional Transportation Committee that the above projects be funded through the RTO&T Set-Aside of the DRCOG *FY 2024–2027 TIP*.

ATTACHMENTS

1. Staff presentation
2. RTO&T Set-Aside Review Panel Recommendations
3. RTO&T Set-Aside Recommended Project Programming

ADDITIONAL INFORMATION

If you need additional information, please contact Greg MacKinnon, Program Manager, at 303-480-5633 or gmackinnon@drcog.org.

FY 24-27 REGIONAL TRANSPORTATION OPERATIONS AND TECHNOLOGY SET-ASIDE

Review Panel Recommendations

**Greg MacKinnon, Regional
Transportation Operations Program
Manager**

RTO&T SET-ASIDE APPLICATION PROCESS OVERVIEW



Regional Transportation Operations and Technology Strategic Plan guides regional investment in transportation technology

April 7 Call-for-projects initiated

May 19 Letters of interest received

June 1 Letter of Interest Forum

July 7 Applications received

RTO&T SET-ASIDE APPLICATION PROCESS OVERVIEW



- Review panel individually evaluated and scored the applications as per *Policies for FY 2024-2027 TIP Set-Aside Programs*
- Application scores and rankings were combined for joint evaluation
- Review panel developed recommendations based on the scoring and value to the region

REVIEW PANEL SCORING SUMMARY



Jurisdiction	Project	Weighted Average Score	Summed Score	Summed Individual Rankings*
Aurora	Traffic Management Center	2.476	13.854	26
Louisville	Signal Technology Upgrade	2.355	13.382	40
Longmont	Smart Signals to Schools	2.352	13.860	30
Jefferson County	Traffic Camera System	2.349	13.846	37
CDOT R4	US 287 Traffic Signal Equipment and Detection Expansion	2.312	12.623	36
Denver	V2X Communication devices (RSU) Expansion	2.308	13.600	36
Boulder	Communications Network and Signal System Performance Enhanceme	2.299	13.547	31
Aurora	Communications Infrastructure Improvements	2.296	13.276	43
Littleton	Broadway Signal Interconnect (Phase 2)	2.286	13.464	43
Thornton	Travel Time Monitoring Expansion	2.274	13.395	39
Superior	Traffic Safety and Climate Resilience	2.247	13.233	41
CDOT R4	CO 7 Traffic Signal Equipment and Detection Expansion	2.170	12.769	44
Aurora	Traffic Signal Equipment Upgrade	2.168	12.757	53
CU Denver	Enhancing Traffic Analytics with LiDAR	2.028	11.919	57
Denver	Traffic Responsive Signal System	1.932	11.342	68
RTD	Virtual Guide Application for Access-a-Ride Pilot	1.848	10.585	67
Castle Rock	Dynamic Message Sign Deployment	1.642	9.602	79
Denver	Dynamic Message Sign Expansion	1.470	8.571	84
Denver	Downstream Count Expansion	1.131	6.538	93

* Lower total is better

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
Aurora	Traffic Management Center	Construction project to deploy a new traffic management center at the North Satellite facility.	Full allocation contingent on Concept of Operations document.
Louisville	Signal Technology Upgrade	Procurement of upgraded traffic signal equipment at select intersections across Louisville.	Must specify all equipment locations.
Longmont	Smart Signals to Schools	Procurement of video-based intersection detection and traffic cameras for 39 intersections. Longmont resources will deploy and configure these devices.	Allocation adjusted. 24 intersections on Regional Roadway System recommended for funding.

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
Jefferson County	Traffic Camera System	Procurement of combined traffic camera/intersection detection system for 12 intersections.	
CDOT R4	US 287 and CO 7 Traffic Signal Equipment and Detection Expansion	Procurement of traffic signal equipment, traffic cameras and intersection detection for eight intersections each on US 287 and CO 7.	Allocation adjusted. Equipment with same functionality already deployed. Five traffic cameras recommended.
Denver	V2X Communication devices (RSU) Expansion	Construction project to deploy connected vehicle roadside units along Colfax Ave and Sheridan Blvd. Advanced traffic signal performance measures (ATSPM) to be deployed.	Full allocation of funds is contingent on Concept of Operations. Coordination with regional ATSPM is a requirement.

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
Boulder	Communications Network and Signal System Performance Enhancement	Procurement of upgraded signal equipment, communications, traffic cameras, and detection for 37 intersections. Deployment of automated traffic signal performance measure (ATSPM).	
Aurora	Communications Infrastructure Improvements	Construction project to deploy fiber backbone communications between Aurora Municipal Center and North Satellite facility that also interconnects 31 signals.	
Littleton	Broadway Signal Interconnect (Phase 2)	Construction project to expand traffic signal interconnect (fiber) for 15 intersections on Broadway and select crossing streets.	Allocation adjusted. Recommend combining FY26 and FY27 requested funds in FY26.

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
Thornton	Travel Time Monitoring Expansion	Procurement of travel time monitoring devices for 23 intersections to expand existing travel time monitoring system.	
Superior	Traffic Safety and Climate Resilience	Procurement and deployment of an upgraded traffic signal system shared by Superior and Louisville. This project also procures upgraded equipment for two intersections.	
Aurora	Traffic Signal Equipment Upgrade	Procurement of 42 uninterruptible power supplies and intersection detection for 42 intersections.	

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
CU Denver	Enhancing Traffic Analytics with LiDAR	Deployment of six LiDAR devices at intersections along Colfax Ave and Federal Blvd. Test the accuracy and effectiveness of this technology against other data collection methods.	Not recommended.
Denver	Traffic Responsive Signal System	Procurement, deployment, and configuration of a software module for Denver's existing traffic signal system.	Not recommended.
RTD	Virtual Guide Application for Access-a-Ride Pilot	Procurement and deployment of an app/software and support services to provide virtual guidance to paratransit customers with visual, hearing and cognitive difficulties for a period of 4 years.	Not recommended.

APPLICATION SUMMARIES AND REVIEW PANEL COMMENTS



Agency	Project Name	Project Description	Comments
Castle Rock	Dynamic Message Sign Deployment	Construction project to deploy three dynamic message signs in Castle Rock and on CDOT ROW to encourage approaching drivers to avoid dangerous and congested conditions.	Not recommended.
Denver	Dynamic Message Sign Expansion	Construction project to deploy 6 dynamic message signs in Denver to notify approaching drivers of anticipated or ongoing roadway disruptions.	Not recommended.
Denver	Downstream Count Expansion	Construction project to deploy 37 vehicle count stations across Denver.	Not recommended.

RECOMMENDED RTO&T SET-ASIDE PROJECT PROGRAMMING

Project	Fiscal Year 2024 Federal Allocation	Fiscal Year 2024 Non-Federal Match	Fiscal Year 2025 Federal Allocation	Fiscal Year 2025 Non-Federal Match	Fiscal Year 2026 Federal Allocation	Fiscal Year 2026 Non-Federal Match
Aurora Traffic Management Center					\$1,101,000	\$495,000
Louisville Signal Technology Upgrade	\$545,000	\$200,000				
Longmont Smart Signals to Schools	\$445,560	\$118,440	\$445,560	\$118,440		
Jefferson County Traffic Camera System			\$248,000	\$52,000		
CDOT R4 Advance Detection US 287 and CO 7			\$237,500	\$140,000		
Denver V2X Communications Devices	\$850,000		\$850,000			
Boulder ATSPM & System Communications	\$602,000	\$150,500	\$602,000	\$150,500		
Aurora Communications Infrastructure					\$736,000	\$197,000
Littleton Broadway Signal Interconnect (Ph 2)			\$328,000	\$71,622	\$2,635,000	\$575,378
Thornton Travel Time Monitoring Expansion	\$101,200	\$25,300				
Superior Traffic Safety and Climate Resilience	\$99,300	\$20,700				
Aurora Traffic Signal Equipment Upgrade			\$1,021,000			

RECOMMENDATION



Move to recommend to the Regional Transportation Committee that the above projects be funded through the RTO&T Set-Aside of the *DRCOG FY 2024–2027 TIP*.



THANK YOU!
QUESTIONS?

Greg MacKinnon
Program Manager, Transportation Planning and Operations
gmackinnon@drcog.org
303-480-5633

**Regional Transportation Operations and Technology Set-Aside
Draft Review Panel Recommendations**

Agency	Project Name	Project Description	Total Federal Funds Requested	Recommended Funding	Weighted Average Score (0 - 5)	Comments
Aurora	Traffic Management Center	Construction project to deploy a new traffic management center at the North Satellite facility. Development of a concept of operations will precede design and construction.	\$ 1,101,000	\$ 1,101,000	2.476	Full allocation of funds is contingent on completion of appropriate Concept of Operations document.
Louisville	Signal Technology Upgrade	Procurement of upgraded traffic signal cabinets, uninterruptible power supplies, video-based intersection detection and emergency preemption detection at select intersections across Louisville.	\$ 545,000	\$ 545,000	2.355	Louisville must specify locations of all equipment listed in estimate.
Longmont	Smart Signals to Schools	Procurement of video-based intersection detection and traffic cameras for 39 intersections. Longmont resources will deploy and configure these devices.	\$ 1,580,000	\$ 891,120	2.352	Allocation adjusted. This set-aside is directed to projects on the DRCOG Regional Roadway System. The 24 intersections located on this system are recommended for funding (accounting for 21% match). Construction engineering and indirect not allowed; equipment procurement project.
Jefferson County	Traffic Camera System	Procurement of combined traffic camera/intersection detection system for 12 intersections. Jefferson County resources will deploy and configure these devices.	\$ 248,000	\$ 248,000	2.349	
CDOT R4	US 287 and CO 7 Traffic Signal Equipment and Detection Expansion	Procurement of controllers, communications equipment, uninterruptible power supplies, and traffic cameras for 8 intersections each on US-287 and CO-7. CDOT R4 resources will deploy this equipment.	\$ 341,700	\$ 237,500	2.312	Allocation adjusted. Equipment procurement only; construction costs not allowed. Application requesting equipment already deployed; no additional functionality beyond existing identified. Traffic cameras allowed for 5 intersections that are gaps in coverage.
Denver	V2X Communication devices (RSU) Expansion	Construction project to expand deployment of connected vehicle roadside units along Colfax Ave and Sheridan Blvd. Additionally, data collected by these devices will be used to automated traffic signal performance measure-related (ATSPM) capabilities.	\$ 1,700,000	\$ 1,700,000	2.308	Full allocation of funds is contingent on completion of appropriate Concept of Operations document. Additionally, coordination with regional ATSPM is a requirement.

**Regional Transportation Operations and Technology Set-Aside
Draft Review Panel Recommendations**

Agency	Project Name	Project Description	Total Federal Funds Requested	Recommended Funding	Weighted Average Score (0 - 5)	Comments
Boulder	Communications Network and Signal System Performance Enhancement	Procurement of signal controllers, communications equipment, and advanced detection for 37 intersections. Procurement of traffic cameras for 34 intersections. Boulder resources will deploy and configure these devices. Procurement and configuration of a software module for Boulder's existing traffic signal system to provide automated traffic signal performance measure (ATSPM) capabilities.	\$ 1,204,000	\$ 1,204,000	2.299	
Aurora	Communications Infrastructure Improvements	Construction project to deploy fiber backbone communications between Aurora Municipal Center and North Satellite facility. Utilizing the backbone, the project will interconnect (fiber and radio) 31 signals crossing I-225 to its existing traffic signal system.	\$ 736,000	\$ 736,000	2.296	
Littleton	Broadway Signal Interconnect (Phase 2)	Construction project to expand traffic signal interconnect (fiber) for 15 intersections on Broadway and select crossing streets. The project also deploys controllers, cabinets, communications equipment, intersection detection, traffic cameras, and travel time monitoring devices.	\$ 2,963,000	\$ 2,963,000	2.286	Allocation adjusted. Recommend combining FY26 and FY27 requested funds in FY26.
Thornton	Travel Time Monitoring Expansion	Procurement of travel time monitoring devices for 23 intersections to expand Thornton's existing travel time monitoring system. Thornton resources will deploy and configure these devices.	\$ 101,200	\$ 101,200	2.274	

**Regional Transportation Operations and Technology Set-Aside
Draft Review Panel Recommendations**

Agency	Project Name	Project Description	Total Federal Funds Requested	Recommended Funding	Weighted Average Score (0 - 5)	Comments
Superior	Traffic Safety and Climate Resilience	Procurement and deployment of an upgraded traffic signal system shared by Superior and Louisville to improve monitoring capabilities and signal coordination. This project also procures pedestrian buttons and intersection detection for 2 intersections. Superior resources will deploy and configure these devices.	\$ 99,300	\$ 99,300	2.247	
Aurora	Traffic Signal Equipment Upgrade	Procurement of 42 uninterruptible power supplies and intersection detection for 42 intersections. Aurora resources will deploy these devices at 74 intersections.	\$ 1,021,000	\$ 1,021,000	2.168	
CU Denver	Enhancing Traffic Analytics with LiDAR	Deployment of 6 LiDAR devices at intersections along Colfax Ave and Federal Blvd. Additionally, this project will test the accuracy and effectiveness of this technology against other data collection methods.	\$ 254,127		2.028	Not recommended.
Denver	Traffic Responsive Signal System	Procurement, deployment, and configuration of a software module for Denver's existing traffic signal system to provide traffic responsive signal control based on data provided by Denver's existing arterial travel time monitoring system.	\$ 320,000		1.932	Not recommended.
RTD	Virtual Guide Application for Access-a-Ride Pilot	Procurement and deployment of an app/software and support services to provide virtual guidance to paratransit customers with visual, hearing and cognitive difficulties for a period of 4 years.	\$ 2,986,047		1.848	Not recommended.

**Regional Transportation Operations and Technology Set-Aside
Draft Review Panel Recommendations**

Agency	Project Name	Project Description	Total Federal Funds Requested	Recommended Funding	Weighted Average Score (0 - 5)	Comments
Castle Rock	Dynamic Message Sign Deployment	Construction project to deploy three dynamic message signs in Castle Rock and on CDOT ROW to encourage approaching drivers to drivers to avoid dangerous and congested conditions.	\$ 640,000		1.642	Not recommended.
Denver	Dynamic Message Sign Expansion	Construction project to deploy six dynamic message signs in Denver to inform approaching drivers of anticipated or ongoing roadway disruptions.	\$ 2,483,700		1.470	Not recommended.
Denver	Downstream Count Expansion	Construction project to deploy 37 vehicle count stations across Denver.	\$ 857,704		1.131	Not recommended.
	Total		\$ 19,181,778	\$ 10,847,120		

**Regional Transportation Operations and Technology Set-Aside
Draft Recommended Project Programming**

Agency	Project Name	Project Description	FY 2024 Federal	FY 2024 Non-federal	FY 2025 Federal	FY 2025 Non-federal	FY 2026 Federal	FY 2026 Non-federal	Project Total
Aurora	Traffic Management Center	Construction project to deploy a new traffic management center at the North Satellite facility. Development of a concept of operations will precede design and construction.					\$ 1,101,000	\$ 495,000	\$ 1,596,000
Louisville	Signal Technology Upgrade	Procurement of upgraded traffic signal cabinets, uninterruptible power supplies, video-based intersection detection and emergency preemption detection at select intersections across Louisville.	\$ 545,000	\$ 200,000					\$ 745,000
Longmont	Smart Signals to Schools	Procurement of video-based intersection detection and traffic cameras for 39 intersections. Longmont resources will deploy and configure these devices.	\$ 445,560	\$ 118,440	\$ 445,560	\$ 118,440			\$ 1,128,000
Jefferson County	Traffic Camera System	Procurement of combined traffic camera/intersection detection system for 12 intersections. Jefferson County resources will deploy and configure these devices.			\$ 248,000	\$ 52,000			\$ 300,000
CDOT R4	US 287 and CO 7 Traffic Signal Equipment and Detection Expansion	Procurement of controllers, communications equipment, uninterruptible power supplies, and traffic cameras for 8 intersections each on US-287 and CO-7. CDOT R4 resources will deploy this equipment.			\$ 237,500	\$ 140,000			\$ 377,500
Denver	V2X Communication Devices (RSU) Expansion	Construction project to expand deployment of connected vehicle roadside units along Colfax Ave and Sheridan Blvd. Additionally, data collected by these devices will be used to automated traffic signal performance measure-related (ATSPM) capabilities.	\$ 850,000		\$ 850,000				\$ 1,700,000
Boulder	Communications Network and Signal System Performance Enhancement	Procurement of signal controllers, communications equipment, and advanced detection for 37 intersections. Procurement of traffic cameras for 34 intersections. Boulder resources will deploy and configure these devices. Procurement and configuration of a software module for Boulder's existing traffic signal system to provide automated traffic signal performance measure (ATSPM) capabilities.	\$ 602,000	\$ 150,500	\$ 602,000	\$ 150,500			\$ 1,505,000

**Regional Transportation Operations and Technology Set-Aside
Draft Recommended Project Programming**

Agency	Project Name	Project Description	FY 2024 Federal	FY 2024 Non-federal	FY 2025 Federal	FY 2025 Non-federal	FY 2026 Federal	FY 2026 Non-federal	Project Total
Aurora	Communications Infrastructure Improvements	Construction project to deploy fiber backbone communications between Aurora Municipal Center and North Satellite facility. Utilizing the backbone, the project will interconnect (fiber and radio) 31 signals crossing I-225 to its existing traffic signal system.					\$ 736,000	\$ 197,000	\$ 933,000
Littleton	Broadway Signal Interconnect (Phase 2)	Construction project to expand traffic signal interconnect (fiber) for 15 intersections on Broadway and select crossing streets. The project also deploys controllers, cabinets, communications equipment, intersection detection, traffic cameras, and travel time monitoring devices.			\$ 328,000	\$ 71,622	\$ 2,635,000	\$ 575,378	\$ 3,610,000
Thornton	Travel Time Monitoring Expansion	Procurement of travel time monitoring devices for 23 intersections to expand Thornton's existing travel time monitoring system. Thornton resources will deploy and configure these devices.	\$ 101,200	\$ 25,300					\$ 126,500
Superior	Traffic Safety and Climate Resilience	Procurement and deployment of an upgraded traffic signal system shared by Superior and Louisville to improve monitoring capabilities and signal coordination. This project also procures pedestrian buttons and intersection detection for 2 intersections. Superior resources will deploy and configure these devices.	\$ 99,300	\$ 20,700					\$ 120,000
Aurora	Traffic Signal Equipment Upgrade	Procurement of 42 uninterruptible power supplies and intersection detection for 42 intersections. Aurora resources will deploy these devices at 74 intersections.			\$ 1,021,000				\$ 1,021,000
			\$ 2,643,060	\$ 514,940	\$ 3,732,060	\$ 532,562	\$ 4,472,000	\$ 1,267,378	\$ 13,162,000

ATTACH D

ATTACHMENT D

To: Chair and Members of the Transportation Advisory Committee

From: Nora Kern, Subarea and Project Planning Program Manager

Meeting Date	Agenda Category	Agenda Item #
September 25, 2023	Action	6

SUBJECT

FY 2024-2025 project selection for FY 2024-2027 Transportation Improvement Program Corridor Planning Set Aside program.

PROPOSED ACTION/RECOMMENDATIONS

Staff recommends approval of funding allocations from the Corridor Planning Transportation Improvement Program Set Aside for the Sheridan Boulevard Vision Zero Study and the East Colfax Extension BRT Extension study.

ACTION BY OTHERS

N/A

SUMMARY

The Transportation Corridor Planning Set Aside is a Denver Regional Council of Governments-led planning program in the FY 2024-2027 Transportation Improvement Program (TIP). The goal of this program is to advance planning for projects and priorities outlined in the 2050 Regional Transportation Plan and move them towards implementation. As part of this program, the Denver Regional Council of Governments will fund and lead planning studies to advance infrastructure investment priorities along regional arterial corridors identified in the Regional Transportation Plan. An estimated \$3,000,000 is available for the full four-year set-aside program, with \$1.5 million available to be spent each two-year cycle.

The Denver Regional Council of Governments hosted a call for letters of interest for the first two years of funding for the Corridor Planning Set Aside in July and August 2023. Four letters of interest were submitted for three different corridors:

- **Sheridan from 52nd to Hampden:** Submitted by Denver and Lakewood, identified in the Regional Transportation Plan for Vision Zero Corridor Improvements in the 2020-2029 staging period. The estimated cost is \$250,000.
- **West Colfax Transit Study from Sheridan to Oak Street Station:** Submitted by Lakewood, not identified as a transit study in RTP. The estimated cost is \$50,000.
- **East Colfax Extension Bus Rapid Transit from I-225 to E-470:** Submitted by Aurora, identified in the Regional Transportation Plan as bus rapid transit and supporting multimodal safety improvements in 2020-2029 staging period. The estimated cost is \$1,000,000.

A selection committee composed of staff from the Denver Regional Council of Governments, Regional Transportation District, Colorado Department of Transportation Region 1, and Colorado Department of Transportation Region 4 reviewed and scored the four letters of interest. Scores were based on alignment with Metro Vision and 2050 Regional Transportation Plan, benefit to environmental justice communities, regional

impact, and planning need. The average scores from the selection committee for the three corridors are below:

- Sheridan: 367.5 points
- West Colfax Transit Study: 265.8 points
- East Colfax Bus Rapid Transit Extension: 348.22

Based on these scores the selection committee recommends the Sheridan and East Colfax Bus Rapid Transit Extension studies for funding. The West Colfax transit study was not recommended at this time because it is not specifically identified in the Regional Transportation Plan. It could be considered in future years if the Regional Transportation Plan is amended to reflect the need for this project.

PREVIOUS DISCUSSIONS/ACTIONS

NA

PROPOSED MOTION

Move to recommend to the Regional Transportation Committee the funding of the Sheridan Boulevard Vision Zero Corridor study and the East Colfax Bus Rapid Transit Extension study through the first two years of the Corridor Planning Set Aside.

ATTACHMENT

Staff presentation

ADDITIONAL INFORMATION

If you need additional information, please contact Nora Kern, Subarea and Project Planning Program Manager, 303-480-5622 or nkern@drcog.org

CORRIDOR SET-ASIDE PROJECT SELECTION RECOMMENDATIONS

DRCOG Transportation Advisory Committee

September 25, 2023

**Nora Kern, Subarea and Project
Planning Program Manager**



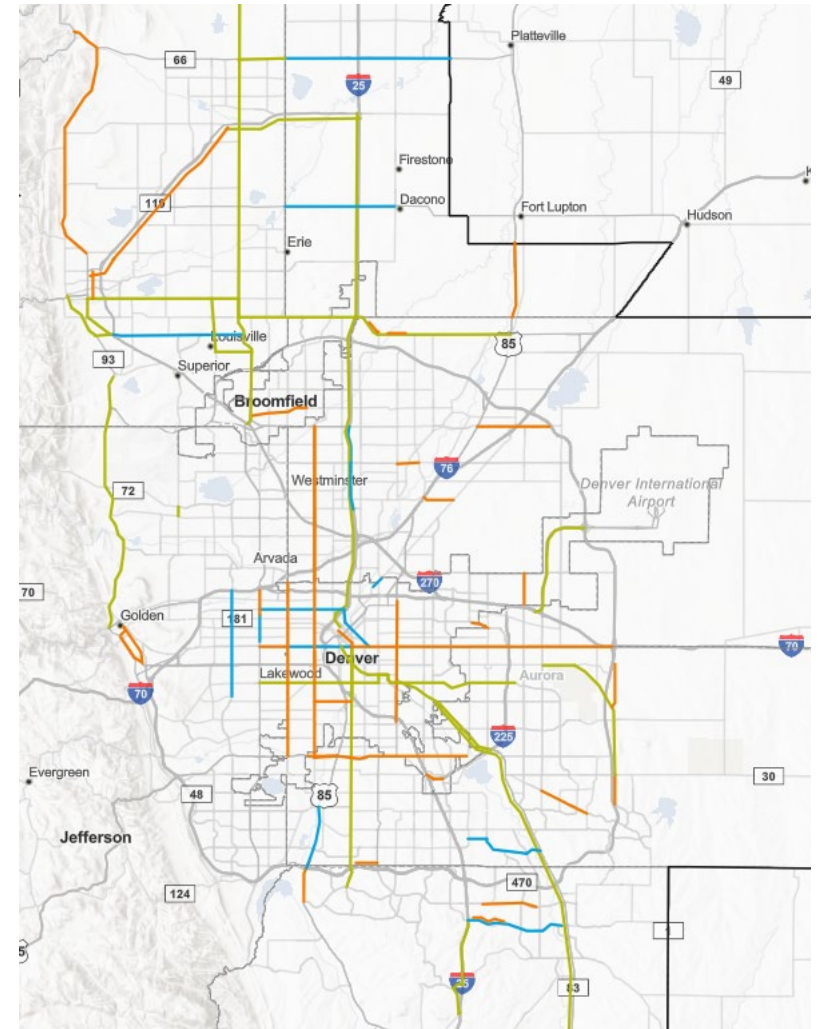
CORRIDOR PLANNING SET ASIDE



CORRIDOR PLANNING PROGRAM



- Advancing RTP Projects and Priorities
- Focuses on corridors identified in RTP with need for additional planning
- Continuing as 2024-2027 TIP Set Aside:
 - \$3,000,000 over 2024-2027
 - Funding split into 2-year cycles



2050 Metro Vision Regional Transportation Plan

INELIGIBLE CORRIDORS: DRAFT



Currently not considering for Corridor Set Aside funding:



Corridors for which studies are currently being led by other agencies, or for which recent similar studies (within the last five years) have been completed



Corridors with projects funded or in final design or construction.



Limited access roadways and freeways.

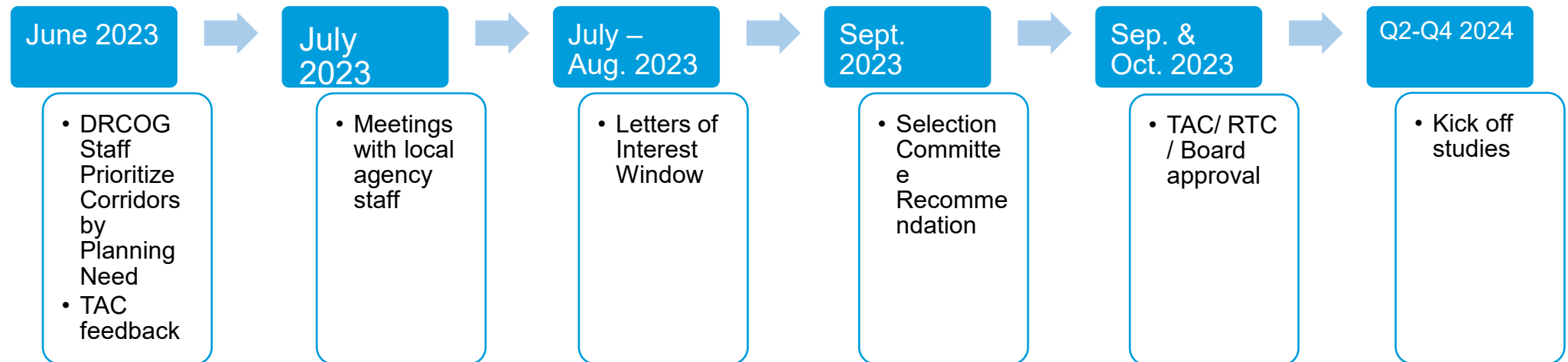


Trails and multi-use paths.

FY 2024 – 2027 TIP SET ASIDE: TIMELINE

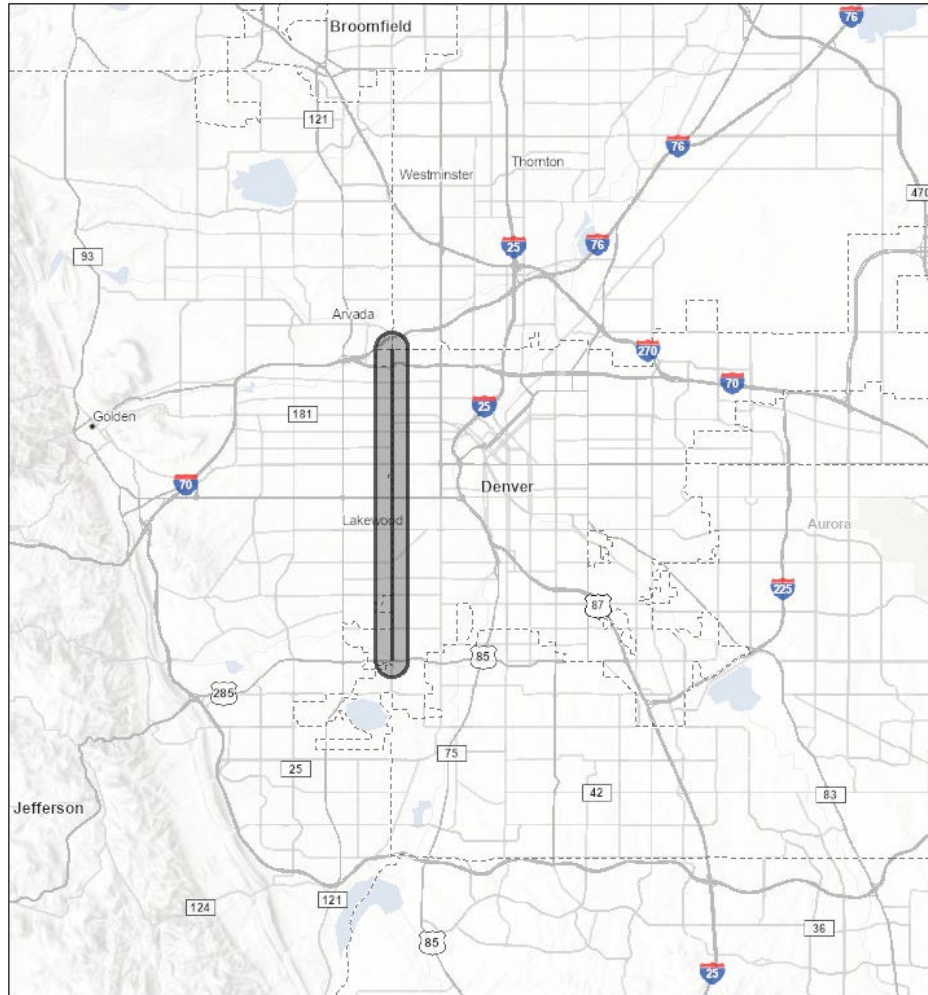


Selection for FY 2024-2025:

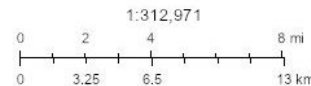


FY 2026-2027 selection in summer 2025

SHERIDAN



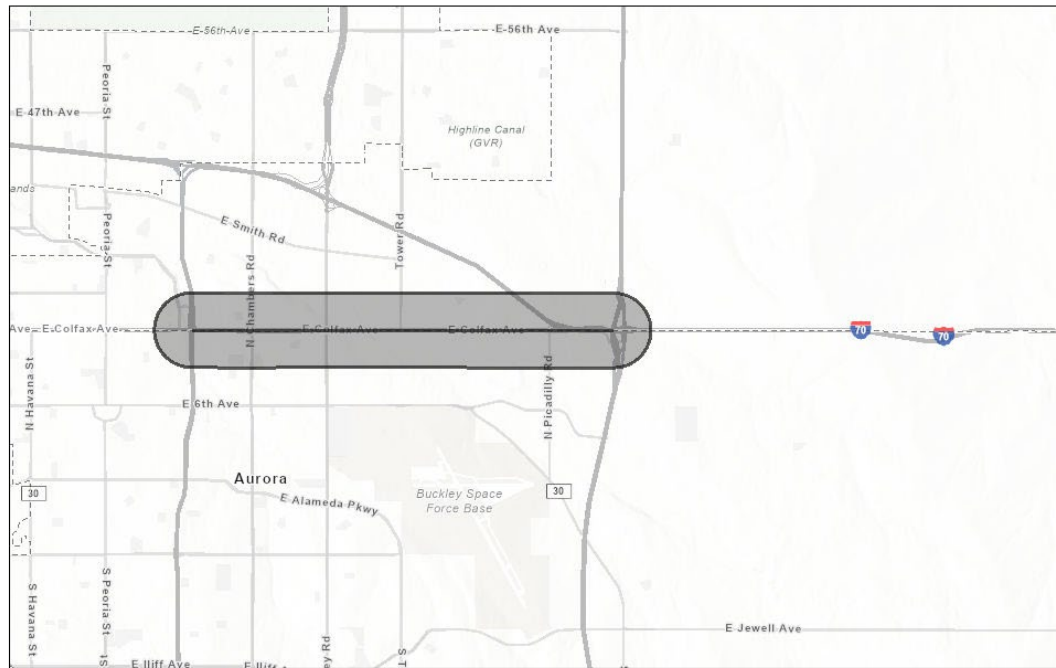
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Esri, NASA, NGA, USGS, County and City of Denver, County of Arapahoe, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

- In RTP 2020-2029 staging period
- 52nd to Hampden
- Vision Zero Corridor Improvements
- Average Equity Index Score: 31.76
- Submitted by Denver and Lakewood
- Funding Request: ~\$250,000

EAST COLFAX BUS RAPID TRANSIT EXTENSION

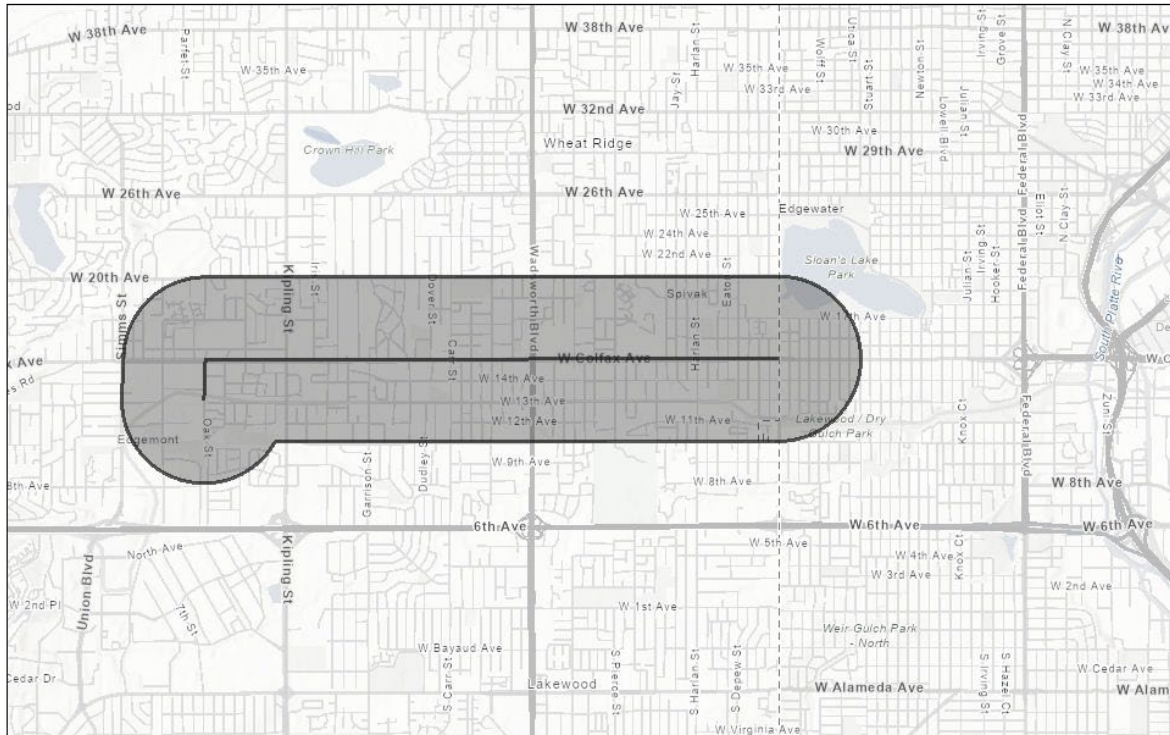


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Esri, NASA, NGA, USGS, City of Aurora, CO, County and City of Denver, County of Arapahoe, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc.

- In RTP 2020-2029 Staging Period
- I-225 – E-470
- Bus rapid transit service and supporting safety/multimodal improvements
- Average Equity Index Score: 43.06
- Funding request: ~\$1 million

WEST COLFAX TRANSIT STUDY



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Esri, NASA, NGA, USGS, FEMA, City of Lakewood, County and City of Denver, Jefferson County, CO, Esri, HERE, Garmin, SafeGraph.

- Colfax: Sheridan to Oak Street Station
- Not in RTP, though other nearby projects
- Average Equity Index: 32.37
- Funding request ~\$35-50k

AVERAGE SCORES



Evaluation Criteria:

- Alignment with Metro Vision
- Alignment with 2050 Regional Transportation Plan
- Benefit to environmental justice communities
- Regional impact
- Planning need

	Sheridan	W Colfax Transit Study	E Colfax BRT Ext.
Average Total Score	21.167	16.83	20.667
Average Total Weighted score	367.5	265.833	348.333

SELECTION COMMITTEE RECOMMENDATION



- Selection committee recommends funding Sheridan Boulevard Vision Zero Corridor Study and East Colfax BRT Extension Study.
- West Colfax Transit Study not recommended at this time.
- Any unused funds saved for 2026-2027.



Nora Kern, nkern@drcog.org

QUESTIONS?

ATTACHE

ATTACHMENT E

To: Chair and Members of the Transportation Advisory Committee

From: Cole Neder, Senior Transit Planner

Meeting Date	Agenda Category	Agenda Item #
September 25, 2023	Informational Briefing	7

SUBJECT

Statewide Transit Planning Update

PROPOSED ACTION/RECOMMENDATIONS

N/A

ACTION BY OTHERS

N/A

SUMMARY

The Colorado Department of Transportation Division of Transit and Rail will provide an overview of their organizational scope of work and mandates, summary of staff roles and responsibilities, and department staffing structure.

In addition, the Division will provide updates on two current planning efforts:

- Bustang Expansion Plan: An overview and summary of the purpose of the Bustang Expansion Plan, which will evaluate overall market potential and ensure that proposed services meet anticipated demand. The Bustang Expansion Plan will ultimately provide CDOT with planning-level ridership projections, recommended schedules and timetables, any additional fleet requirements, and an overview of operating costs.
- Transit Plan Updates and Vision: An overview of future planning efforts and coordination opportunities on behalf of the Division, including the Long-Range Transit Plan (2024), Intercity Regional Bus Plan (2023), Public Transit and Human Services Transportation Plans, and the Passenger Rail Plan.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENT

Staff presentation

ADDITIONAL INFORMATION

If you need additional information, please contact Cole Neder, DRCOG Senior Transit Planner, at 720-278-2347 or cneder@drcog.org; or Brian Metzger, CDOT Division of Transit and Rail Assistant Director of Transit Planning and Delivery at 419-235-3844 or brian.metzger@state.co.us.



COLORADO
Department of Transportation

CDOT - Division of Transit and Rail

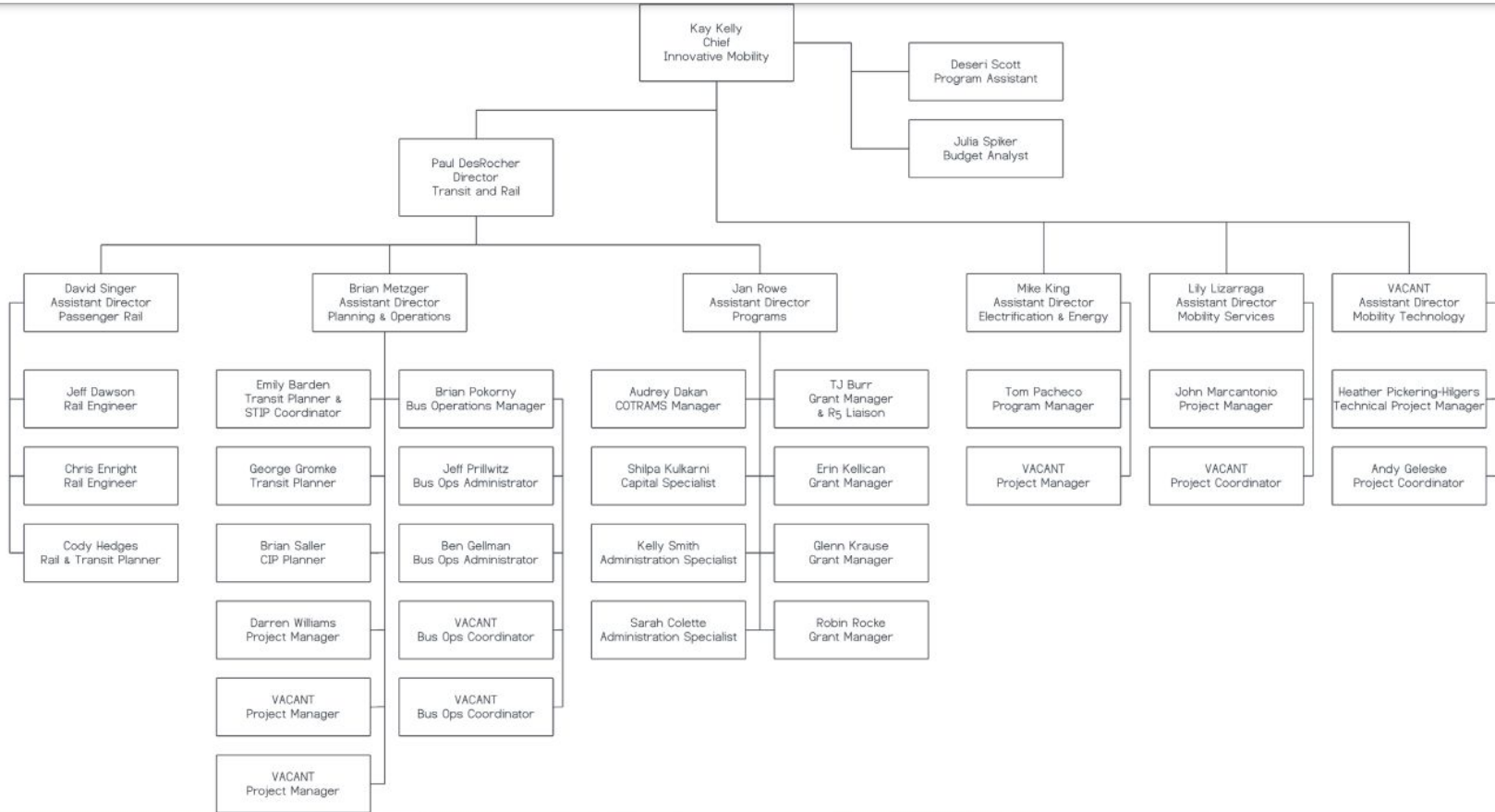


Agenda

- DTR Organization
- Bustang Expansion Plan
- Future Planning



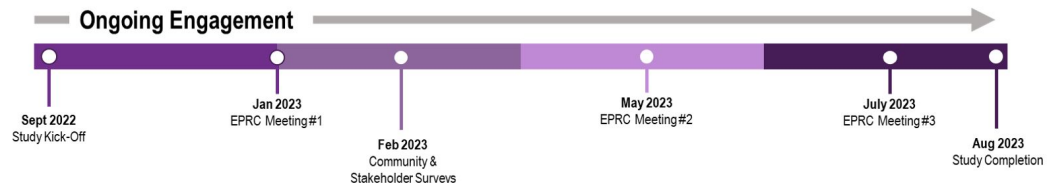
DTR Organization





Bustang Expansion Plan

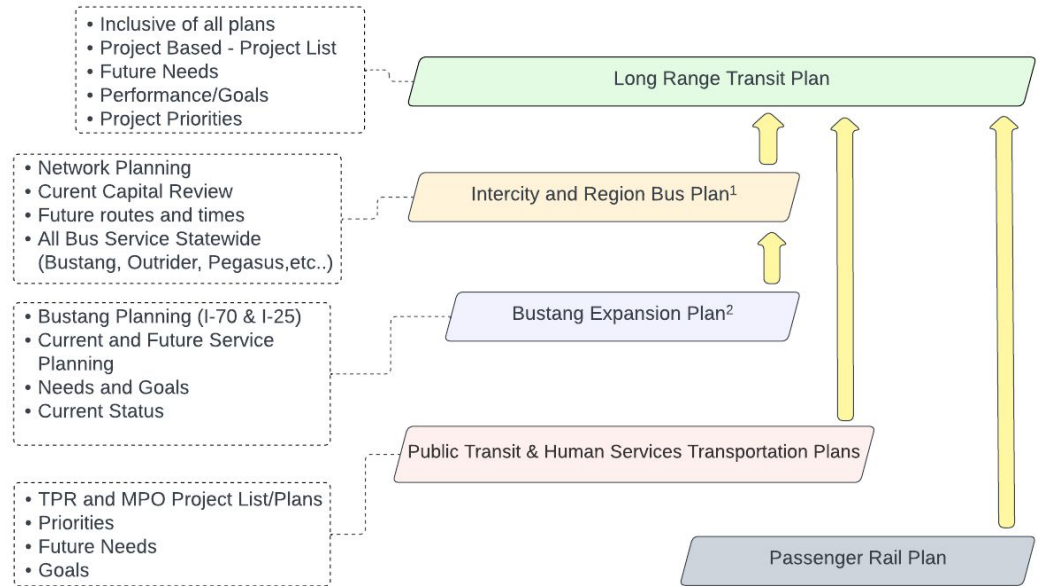
- The Purpose of the Bustang Service Plan:
 - Evaluate the Overall Market Potential
 - Ensure that the Proposed Service Meet the Anticipated Demand
 - Ultimately develop
 - Planning-Level Ridership Projections
 - Schedules and Timetables
 - Fleet Requirements
 - Operating Cost





Transit Plan Updates and Vision

- Long Range Transit Plan (Spring 2024)
- Intercity Regional Bus Plan (Fall 2023)
- Bustang Expansion Plan
- Public Transit & Human Services Transportation Plans
- Passenger Rail Plan





Questions?

ATTACH F

ATTACHMENT F

To: Chair and Members of the Transportation Advisory Committee

From: Nora Kern, Subarea and Project Planning Program Manager

Meeting Date	Agenda Category	Agenda Item #
September 25, 2023	Informational Item	8

SUBJECT

FY 2023 Strengthening Mobility and Revolutionizing Transportation (SMART) and Reconnecting Communities and Neighborhoods (RCN) Discretionary Grants Informational Forms

PROPOSED ACTION/RECOMMENDATIONS

N/A

ACTION BY OTHERS

N/A

SUMMARY

The U.S. Department of Transportation (DOT) published FY 2023 Notice of Funding Opportunities (NOFOs) for the Strengthening Mobility and Revolutionizing Transportation (SMART) and Reconnecting Communities and Neighborhoods (RCN) discretionary grant programs.

The [SMART](#) discretionary grant program was established to provide grants (\$100 million appropriated annually for fiscal years 2022-2026) to eligible public sector agencies to conduct demonstration projects focused on advanced smart community technologies and systems in order to improve transportation efficiency and safety. This is the second year of the program, and this year's NOFO focuses on Stage 1 Planning and Prototype grants. Only Stage 1 grant recipients are anticipated to be eligible for Stage 2 Implementation grants, for which a separate NOFO will be released in 2024, along with another Stage 1 NOFO.

The full details of the SMART Stage 1 NOFO are available [here](#).

USDOT has also released a joint NOFO for the [Reconnecting Communities Pilot \(RCP\)](#) and [Neighborhood Access and Equity \(NAE\)](#) programs, which will combine two major discretionary grants into one NOFO. Together, this combined program is known as the [Reconnecting Communities and Neighborhoods \(RCN\)](#) Program. While they remain separate programs for the purposes of award, the programs share many common characteristics, including:

- Prioritizing disadvantaged communities;
- Aiming to improve access to daily needs such as jobs, education, healthcare, food, and recreation;
- Fostering equitable development and restoration;
- Reconnecting communities by removing, retrofitting, or mitigating highways or other transportation facilities that create barriers to community connectivity, including to mobility, access, or economic development.

Under the combined RCN Program, USDOT offers the following three grant types and funding amounts in the current NOFO:

- Capital Construction: \$1.15 billion total
 - \$148 million in RCP capital construction funds
 - \$1 billion in NAE funds
- Community Planning: \$185 million total
 - \$50 million in RCP planning funds
 - \$135 million in NAE funds
- Regional Partnerships Challenge: \$450 million in NAE funds

The full details of the RCN NOFO are available [here](#).

DRCOG requested that agencies considering applying for FY 2023 SMART or RCN grants submit information about their project to enhance regional coordination by Thursday, September 14, 2023 at 5:00 pm MDT. In response, DRCOG received 18 submittals from 10 agencies.

RCN grant applications are due to USDOT **September 28, 2023** through [Valid Eval](#) no later than **11:59 PM EDT**. SMART grant applications are due to USDOT **October 10, 2023** through [Valid Eval](#) no later than **5:00 pm EDT**.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENTS

Submitted member government SMART and RCN project informational forms

ADDITIONAL INFORMATION

If you need additional information, please contact Nora Kern, Subarea and Project Planning Program Manager, 303-480-5622 or nkern@drcog.org



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

Information about the RCN Program Grant is available [here](#).

DRCOG requests that all RCN grant requests in the Denver region be submitted for Transportation Advisory Committee (TAC) review at the September 25, 2023 meeting for information and discussion – **not approval**.

If requested, DRCOG will provide letters of support for any project consistent with the 2050 Metro Vision Regional Transportation Plan.

Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: Adams County

Contact: Josh Sender

Project Name: I-270 and Vasquez Blvd Multimodal Improvements

Project Type: Construction of pedestrian and bicycle infrastructure

Project Description:

The I-270 and Vasquez Blvd Multimodal Improvements project (the "Project") detailed in an application to the Neighborhood Access and Equity (NAE) Grant Program will construct critical pedestrian and bicycle infrastructure and improvements to existing infrastructure near I-270 and Vasquez Blvd, connecting underserved and disadvantaged communities to a regional trail, transit, key shopping centers, employment areas, restaurants, recreation, and civic destinations.

As studied and detailed in the Vasquez Blvd Planning and Environmental Linkage Study (August 2018) and the draft I-270 Corridor Improvements Environmental Assessment (September 2022), the existing I-270 and Vasquez Blvd interchange and multimodal connections present challenges for reaching regional trails and public facilities for citizens who choose not to own or operate a motor vehicle. Navigating the interchange on foot or bicycle has its own barriers as made abundantly clear during public and stakeholder outreach. These barriers include a narrow 5-foot bridge sidewalk over Sand Creek, missing sidewalks along Vasquez Blvd, Dahlia St, and East 56th Ave, three at-grade interchange ramps to cross, missing connections to trails, and sidewalks in disrepair or not compliant with the Americans with Disabilities Act (ADA).

The Vasquez Blvd Multimodal Improvements project will include the construction of on street bike lanes, grade separated pedestrian tunnels, a new sidewalk network connecting the Sand

Creek Greenway Trail to the sidewalk along northbound Vasquez Blvd, and the reconstruction of the aging Vasquez Blvd bridge over Sand Creek to accommodate wider sidewalks. It will also include a missing sidewalk connection along East 56th Ave and additional access points to the Sand Creek Greenway Dahlia trailhead. Through separate, concurrent, and collaborative efforts, CDOT is also committed to I-270 and Vasquez Blvd interchange improvements including new ramp configurations, the reconstruction of the bridges on I-270 over 56th Ave and over the BNSF railroad, as well as roadway safety improvements on 56th Ave near Eudora St. These improvements will increase safety for pedestrians and cyclists as well as break down existing barriers to opportunity.

Total Project Cost: \$13,240,577

RCN Grant Funding Request: \$13,240,577



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

Information about the SMART Grant program is available [here](#).

DRCOG requests that all SMART grant requests in the Denver region be submitted for Transportation Advisory Committee (TAC) review at the September 25, 2023 meeting for information and discussion – **not approval**.

If requested, DRCOG will provide letters of support for any project consistent with the 2050 Metro Vision Regional Transportation Plan.

Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City and County of Denver

Contact: Alyssa Alt

Project Name: Creating Interoperable Systems to Manage the Curb in Denver

Project Type: SMART

Project Description:

This project will use existing and new data to create an interoperable system to understand utilization of the curb to inform regulation and policy changes to meet City goals.

- Create an active curbside management platform to understand curbside use and inform a performance-based pricing program to meet Denver's Mobility and Climate goals. Develop policies to optimize curb space which deliver maximum public value using insights from a dynamic, data-driven curbside management ecosystem.
- Share open and active data feeds of Denver's curbside uses (digital map) that can be used by public agencies, research institutions, transportation nonprofits and private sector partners to spur mobility innovations and deliver insights.
- Collaborate with a national cohort of cities implementing the Curb Data Specification.

Total Project Cost: \$2M

SMART Grant Funding Request: \$2M



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

Information about the RCN Program Grant is available [here](#).

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If requested, DRCOG will provide letters of support for any project consistent with the 2050 Metro Vision Regional Transportation Plan.

Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City and County of Denver

Contact: Jennifer Bartlett

Project Name: REUNITE Globeville Elyria Swansea

Project Type: RC

Project Description:

This project includes 4 elements in the the GES/National Western Center Campus area: The 48th Ave Greenway & Bettie Cram Bridge, The National Western Pedestrian Bridge, Remediation for the former DPA Bus Barn Site on Brighton Blvd and an improved rail crossing on the National Western Campus.

Each of these projects has been identified in area planning efforts and will improve connectivity and access for the neighborhoods

Total Project Cost: \$69M

RCN Grant Funding Request: \$36M



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

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If requested, DRCOG will provide letters of support for any project consistent with the 2050 Metro Vision Regional Transportation Plan.

Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: DRCOG

Contact: Cole Neder, Senior Transit Planner - DRCOG (cneder@drcog.org)

Project Name: Ride Alliance HST Trip Exchange Upgrades Human

Project Type: Service Transportation Coordination

Project Description:

DRCOG requests funding from the Strengthening Mobility and Revolutionizing Transportation (SMART) grant program to enhance the integration capabilities of the Trip Exchange platform (the Hub) to coordinate human service transportation.

This project will create open-source software that allows transportation providers to exchange trip information to improve efficiency in coordinating trips and increase overall reporting capabilities. It relies upon Application Programming Interfaces (APIs) to connect transportation providers to a single hub. Since DRCOG and the stakeholders in this region developed the Hub, DRCOG is uniquely qualified to lead this project to completion.

Stage 1 planning funds will go toward further examination of the proposed upgrades, to assess their feasibility, and determine the necessary next steps to implement them with Stage 2 funding. This project addresses the SMART program priorities including safety and reliability, resiliency, equity and access, climate, partnerships, and integrations.

Total Project Cost: \$600,000

SMART Grant Funding Request: \$600,000



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Thornton

Contact: Darrell Alston

Project Name: Thornton ATSPM

Project Type: ATSPM on Washington and on Huron Street

Project Description:

Thornton proposes to submit a SMART grant application for funding under Stage 1 of the grant to conduct the planning, systems engineering, environmental review, and develop design documents for the deployment of Automated Traffic Signal Performance Measures (ATSPM) on the corridor of Washington Street - 83rd Drive to Thornton Parkway and the intersecting corridor of 84th Avenue - Huron Street to Washington Street. With the planning and design completed under a successful Stage 1 SMART grant, Thornton will be positioned to apply for future grants to deploy the necessary equipment and system for ATSPM on the mentioned corridors. The complete implementation of ATSPM will aid Thornton in improving traffic signal operations through proactive monitoring of performance of signal timing and proactive maintenance in response to system discovered operational issues.

Total Project Cost: \$250,000

SMART Grant Funding Request: \$250,000



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

Information about the SMART Grant program is available [here](#).

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Lakewood

Contact: Matt Duncan

Project Name: Pedestrian Entry Warning System (PEWS)

Project Type: ITS, Pedestrian and Cyclist Fatality Mitigation

Project Description:

Using ITS and recorded video to predict likely, immediate entry of pedestrian or cyclist into uncontrolled location of roadway ahead where driver is highly unlikely to expect encounter (i.e. not at lawful crossing location). System warns approaching motorist of VRU that is entering roadway unlawfully, including pedestrians that may be sitting or laying within roadway. System utilizes roadside warning devices to alert motorist in real-time of likelihood of jaywalking or unlawful crossing ahead so that motorist will be warned in real-time of potential likelihood of encounter. Warning is through blank out side mounted warning sign system. System is based off of death investigations of a dozen pedestrians and cyclists killed on W Colfax Avenue, which includes recorded footage of most fatal crashes and recorded footage of over 100 near miss crashes. Due to heavy impairment of pedestrians killed, confirmed by autopsy/toxicology of Jefferson County Coronor's office, system relies on warning approaching motorist, reducing perception-reaction time and increasing the likelihood of successfully avoiding a collision.

Was made aware of grant through NHTSA contact, and encouraged by NHTSA to apply. Will not have full details until after 9/14.

Total Project Cost: TBD- considering regional partner

SMART Grant Funding Request: TBD- considering regional partner



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

Information about the RCN Program Grant is available [here](#).

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Lakewood

Contact: Mike Whiteaker, mikwhi@lakewood.org

Project Name: US 6 and Harlan Street Pedestrian Bridge Study

Project Type: Community Planning Grant

Project Description:

This project will support planning and design for a pedestrian bridge over US 6 at Harlan Street. Currently the only crossings within a mile of the Harlan Street bike lanes in each direction are at Wadsworth and Sheridan boulevards, both of which are not safe or comfortable for people walking or rolling and also add a significant amount of travel time to any destinations directly across the freeway for residents of the Two Creeks and North Alameda neighborhoods. The bridge is a proposed barrier crossing in the 2018 Lakewood Bicycle Master Plan, and would provide a safe and comfortable way for people using active modes of transportation to cross the freeway.

Total Project Cost: \$800,000

RCN Grant Funding Request: \$600,000



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: CDOT

Contact: Hannah L. Reed, hannah.l.reed@state.co.us

Project Name: I-25 Coordinated Adaptive Ramp Metering (CARM)

Project Type: Stage I: Planning and Prototyping

Project Description:

The Coordinated Adaptive Ramp Metering (CARM) Expansion Project (Project) will build off the recent CARM Pilot on I-25 which deployed an adapted version of the CARM system developed in Melbourne, Australia. The scope of the Project will evaluate the expansion of this ramp metering concept to deliver travel reliability and reduced congestion to other key Denver freeway corridors. The scope will focus on CARM system planning, including an assessment of CARM technology, stakeholder engagement, implementation planning, and systems engineering analysis (SEA).

Total Project Cost: \$1,444,844

SMART Grant Funding Request: \$1,444,844



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: CDOT

Contact: Hannah L. Reed, hannah.l.reed@state.co.us

Project Name: Connecting Colorado Boulevard: Safe Sidewalks and Complete Streets

Project Type: Construction

Project Description:

CDOT, Denver, and Glendale are considering a collaborative proposal to perform sidewalk safety and connectivity improvements along Colorado Blvd between I-25 and I-70. The RCN grant will fund right-of-way and construction of sidewalk network to fill in missing links where there are no sidewalks; bring existing sidewalks up to higher standard; and prepare the corridor for future BRT implementation with safer and more accessible connectivity between transit stops.

Total Project Cost: TBD - Pending Cost Estimates

RCN Grant Funding Request: TBD - Pending Cost Estimates



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: CDOT

Contact: Hannah L. Reed, hannah.l.reed@state.co.us

Project Name: Removing the Highway Barrier: Equitably Restoring Colfax and Federal Mobility and Land Use

Project Type: Planning

Project Description:

As it stands, the Federal / Colfax cloverleaf interchange disconnects six disadvantaged neighborhoods from the urban fabric of Metro Denver. The interchange is a physical barrier for pedestrians, cyclists, micro-mobility users, and public transit users, restricting access to essential daily destinations, including schools, universities, libraries, grocery stores, healthcare facilities, employment opportunities, green spaces, recreational opportunities, community organizations, and other vital resources. Additionally, the interchange poses a burden to surrounding communities with pollution, noise, visual impacts, and safety issues caused by higher vehicular speeds.

The Project will mitigate the physical separation of these communities by replacing land dedicated to a cloverleaf ramp to a reknit roadway intersection and land uses established by CDOT, Denver, and the Denver Regional Council of Governments (DRCOG) to align with climate change, equity, and development goals.

RCN funding will advance preliminary design to 10% and complete the NEPA process with an anticipated Environmental Assessment, including traffic analyses, cost-estimates, public engagement, and land use and re-zoning recommendations.

Total Project Cost: \$2,400,000

RCN Grant Funding Request: \$2,000,000



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: Northeast Transportation Connections (NETC)

Contact: Karly Malpiede Andrus, KAndrus@NEtransportation.org, 720-422-7818

Project Name: Co-Creating: the Commerce City Equitable Mobility Study

Project Type: NAE Regional Partnerships Challenge Grant or NAE Community Planning Grant

Project Description:

Co-Creating: the Commerce City Equitable Mobility Study is a proposed Regional Partnership Challenge Grant under the Neighborhood Access and Equity (NAE) Grant program, which is part of the Reconnecting Communities and Neighborhoods (RCN) opportunity. The proposed partners are NETC, Smart Commute North, DRCOG, Commerce City, and Adams County. Please note, due to scheduling, not all partners have had a chance to be formalized in this proposed partnership. However, all partners have worked together in the past on projects that touch parts of Commerce City, and we believe that such a partnership is necessary to ensure Commerce City has holistic access to the resources they deserve and are commensurate with those in neighboring cities.

Commerce City is a historically underserved community in Colorado that is in one of the most polluted zip codes in America. It is a bustling, growing, and largely bifurcated community that stretches alongside numerous other municipalities and counties that are also growing and changing. The mobility for those regional populations often funnels through Commerce City despite the persistent mobility challenges within the City.

Commerce City has several organizations dedicated to providing affordable, equitable, and relevant mobility options that empower community members and employees to travel to food, school, work, and recreation amenities. These organizations — NETC, Smart Commute North, and DRCOG — all work in dedicated portions of the City, so it is challenging for us to create a holistic mobility plan for all of Commerce City. The City transportation plans, specific corridor

plans, or transit activation plans exist for parts of the City, but this project would bring all stakeholders together for a dedicated planning process to address the needs, barriers, and opportunities for equitable mobility in Commerce City from a larger regional focus.

Additionally, Commerce City is host to a multitude of community-serving organizations and businesses that are on the front lines of what equitable mobility looks like in a fenceline community. The reality is that equitability means different things to different people. The impacts of Suncor and other burdening and dividing facilities loom large in Commerce City. We as a community cannot move forward without all voices at the table, so these funds would allow for direct capacity creation. This upskilling of residents, organizations, and businesses can be leveraged in the future as the specific strategies developed in this plan roll out — an expected positive legacy from this project. For instance, the transition to electrification will be a welcomed mitigative technology to address the historic legacies that burden this region. This funding will allow us to bring authentic voices to the table, create capacity for them, and empower them to help us all design plans that can tackle these mobility challenges.

Total Project Cost: \$250,000

RCN Grant Funding Request: \$250,000



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: Northeast Transportation Connections (NETC)

Contact: Karly Malpiede Andrus, KAndrus@NEtransportation.org, 720-422-7818

Project Name: Intersection of Community & Commerce: Vasquez/I-270/60th Avenue

Project Type: Reconnecting Communities Pilot grant program Planning Grant

Project Description:

Intersection of Community & Commerce: Vasquez/I-270/60th Avenue is a proposed planning grant project that will examine equitable, affordable, accessible, and safe solutions for improving the Vasquez Boulevard corridor from 52nd to I-270 through 60th. This area and specifically the intersection of Vasquez and 60th have a wealth of economic and community-serving amenities: several grocery stores, Think Library, multiple restaurants, and many businesses. Additionally, it serves as a vital conduit for vehicular traffic in and through Commerce City, including freight. Our vision is to reexamine what is needed and what is possible to retrofit or mitigate the intersection for multimodal travel now that so many more plans and projects have occurred.

We want to reinvigorate this effort now that improvements have been made to Vasquez closer to 64th, and many more are planned. This funding would allow for leveraging of those infrastructure changes already underway, as well as examining mitigative ways to travel around legacy barriers like I-270. We are also inspired to reinvigorate this effort by recognizing the great work done by partners working on issues of pedestrian dignity, safety, and transit access.

We intend to borrow the scope and project area from earlier efforts by area partners and stakeholders. In essence, NETC will be reviving the Multimodal Travel Focus Group that was created by CDOT as part of their earlier studies in the area. NETC was grateful to have been included in such a dedicated planning group, and we would like to leverage the work they did so that we can focus our resources and attention on retrofitting or mitigating for multimodal

travel in the area.

The Vision Zero work done by Bicycle Colorado and the Walk Audits done by Walk2Connect will provide additional baseline data that will inform this planning project.

We will coordinate closely with local and regional jurisdictions, stakeholders, and the general public to obtain input on potential alternatives and to assist in identifying recommended transportation solutions that can occur in various timeframes and budgets. For instance, can we identify a more immediate wayfinding project that helps makes things safer within a year while also planning for future infrastructure improvements that will help make things safer in the long run.

Total Project Cost: \$300,000

RCN Grant Funding Request: \$250,000



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

Information about the SMART Grant program is available [here](#).

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Littleton

Contact: Kenna Davis

Project Name: Improving VRU Safety Using Connected Vehicle Technology

Project Type: Infrastructure Connectivity

Project Description:

In partnership with Panasonic, All Access Transit Solutions, and Colorado Center for the Blind, the City of Littleton is leveraging connected vehicle technology (V2X) to integrate a smartphone application developed for blind pedestrians into the city traffic signal system to improve safe mobility outcomes for blind pedestrians. The smartphone application is an augmented reality personal navigation assistant. AI-based speech recognition and text-to-speech are used as the communication layer. AI-based object recognition, text recognition and spatial anchors are used to perceive the environment. CHAT-GPT style AI is used to link together these disparate technologies into a coherent and personalized user experience. The end result is a new kind of computational personal assistant that allows an unprecedented level of real-time autonomy and independence for the user.

Total Project Cost: TBD

SMART Grant Funding Request: TBD



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Commerce City, Colorado

Contact: Shawn Poe, PE, CFM, Interim Director of Public Works/City Engineer

Project Name: Reconnecting Disadvantaged Communities and Fostering Equitable Revitalization
Near the 72nd Ave RTD Station by Removing Barriers to Connectivity

Project Type: Community Planning Grant

Project Description:

In 2013, the City of Commerce City adopted the Station Area Master Plan (STAMP) developed through the culmination of efforts by a wide range of community stakeholders to identify improvements to existing neighborhoods, leverage the area's assets and opportunities, and envision a preferred future for the area surrounding the E. 72nd Avenue Commuter Rail Station in Commerce City, Colorado. Since the Station opened in 2020, there has been renewed interests from the development community seeking opportunities to invest and redevelop the area surrounding the Station. A major deterrent to those developers proceeding with a project is the existing configuration of the at-grade vehicular track crossing on 72nd Avenue that results in unsafe access and inadequate connectivity throughout the area. The City of Commerce City is seeking Community Planning Grant funding via the Reconnecting Communities and Neighborhoods Program to enable the City to study and design transportation improvements surrounding the Station that will increase RTD ridership, improve pedestrian safety, and facilitate the revitalization of older industrial properties and abandoned landfills into productive uses (housing, employment, education, healthcare, food, public services, and recreation).

Total Project Cost: \$200,000

SMART Grant Funding Request: \$160,000



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: Commerce City

Contact: Shawn Poe, Interim Director Public Works

Project Name: US85 & UPRR Grade-Separated Bicycle/Pedestrian Crossing

Project Type: Community Planning

Project Description:

This project is a feasibility study and preliminary engineering for a grade-separated crossing of both US85 and the Union Pacific RR tracks near the alignment of 68th Avenue. This crossing would greatly enhance safety for pedestrians and bicyclists who will travel between Alsup Elementary School (and the future middle school) and Fairfax Park. Removing this barrier will increase access for residents on both sides of the existing tracks and the highway. Commerce City is currently working on grant-funded projects to improve multi-modal facilities between the RTD light rail station and Alsup Elementary. This project would extend the improved access to the Fairfax Park neighborhood.

Total Project Cost: \$300,000

RCN Grant Funding Request: \$240,000



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Wheat Ridge

Contact: Mark Westberg

Project Name: Clear Creek Crossing Bus Terminal

Project Type: NAE Capital Construction

Project Description:

This project is to construct a bus terminal with a driver relief station for Routes 28 and 32 within the Clear Creek Crossing development. This will allow for the reestablishment of east-west bus service for western Wheat Ridge and the adjacent portions of Lakewood west of Wadsworth Boulevard between 20th and 38th Avenues. Much of this area is residential with several multi-family communities that were previously served by these routes. This would reconnect these neighborhoods to important educational, recreational, both grocery and retail shopping, medical, and employment centers along 26th and 32nd Avenues and Kipling and Youngfield Streets including locations to the east and north of the currently under served area. New destinations include the Clear Creek Crossing development, including the new location of the Lutheran Medical Center and the G Line commuter rail via another connecting bus route.

Total Project Cost: \$750,000

RCN Grant Funding Request: \$150,000



2023 Reconnecting Communities and Neighborhoods (RCN) Program Grant

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency: City of Wheat Ridge

Contact: Mark Westberg

Project Name: Kipling Crossing - Clear Creek Trail

Project Type: Community Planning Grant

Project Description:

This project would start with a feasibility study to add an at-grade, mid-block pedestrian crossing for the Clear Creek Trail across Kipling Street just south of Clear Creek. The study would evaluate the various treatments that could be applied to enhance the safety of this crossing location using the CDOT criteria for pedestrian crossings. Currently users of the Clear Creek trail have travel significantly to use an underpass 1/2 mile to the south or a similar distance to cross Kipling Street at 44th Avenue. The underpass is also subject to frequent flooding. Many users opt to cross at-grade at the proposed enhanced crossing location. It is expected that the feasibility study will result in conceptual plans that would include some level of user actuated signalization and a center refuge island. This location is the 2nd most dangerous bike/ped location in Region 1 based on a 2023 CDOT study.

Total Project Cost: \$127,500

RCN Grant Funding Request: \$85,000



2023 Strengthening Mobility and Revolutionizing Transportation (SMART) Grant

Information about the SMART Grant program is available [here](#).

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Please submit this form to Cam Kennedy - ckennedy@drcog.org by 5:00pm MST on September 14, 2023.

Agency : City of Wheat Ridge

Contact: Mark Westberg

Project Name: Traffic Signal Master Plan

Project Type: Planning Grant

Project Description:

The City's traffic signal network is in desperate need of modernization. The study would evaluate the City's existing traffic signal network, determine equipment replacement needs, and provide recommendations for prioritization of repairs, upgrades and replacements. Much of the City's traffic signal equipment is outdated and most traffic signals don't have reliable connections to the monitoring system. Currently, only a few signals have communication capabilities which then requires either the Police Department or the public to notify the city about operational issues. For most signals, City technicians must manually connect a laptop to the traffic signal controller to monitor, diagnose, calibrate, or otherwise work on the traffic signal controller. The study would also provide analysis of more robust connections through development of a fiber

optics plan. Enhanced communication methods and reliable connections to all the City traffic signals would allow proactive monitoring of the traffic signals and also assist the police department with monitoring the traffic signal locations via the video and infrared cameras.

Total Project Cost: \$250,000

SMART Grant Funding Request: \$250,000