

# North Area Transportation Alliance Board Meeting

March 24, 2022



# Agenda



• Welcome and Introductions- Chair Lynn Baca

Please sign in using the chat box

- Approval of February Meeting Minutes
- RAISE Grant Letters of Support
- Smart Commute update- Carson Priest
- CDOT Transportation Commissioner Update- Commissioner Stuart
- RTD Directors Reports- Directors Buzek, Cook, Davidson, Whitmore
- Update on 84<sup>th</sup> Subcommittee meeting -Commissioner Stuart
- CO7 Corridor Plan Update Ryan Sorensen, CDOT, Sarah Grant, Broomfield
- Other



# RAISE Grant Letters of Support



## Commerce City 88th Project



## Brighton Bridge St. Project

- Cost: \$16 million
  - \$12 million RAISE grant, \$4 million
     City of Brighton
- Scope: 22<sup>nd</sup> St.– 44<sup>th</sup> St.
  - Widening Bridge St.
  - Pedestrian improvements including:
    - Building or renovating bus shelters
    - Adding sidewalks

# **Summer Outreach**

- Please reach out to us if you'd like to have Smart Commute at your event
- Bike to Summer will be back in June, July and August
- Save the Date Bike to Work Day, June 22



## **Metro Vision Award Winner**

North I-25 Flexible Microtransit Service (FlexRide, eBike program)



# **Bike Gap Analysis Project**

Smart Commute to assemble a group of willing/interested stakeholders representing the jurisdictions of the north area (Adams County, City and County of Broomfield, and cities of Brighton, Commerce City, Dacono, Erie, Federal Heights, Firestone, Frederick, Longmont, Northglenn, Thornton, Westminster). Stakeholder group members will commit to a longer-term discussion about the evolution of a bike map project, from this grant-supported stage (preparation stage) to a future stage when printing, distribution, and revision will occur.

# **Bike Gap Analysis Project**

#### **Preparation Stage (funded staff time):**

- → Identification of a regional vision for a bike network (possibly, the "Active Corridors" identified by DRCOG in their 2019 Active Transportation Plan).
- → Stakeholder discussion about how to communicate existing regional level routes, existing local collectors, and gaps/future infrastructure "in a simple and user-friendly way."
- → Identification of data sources for regional level routes, existing local connectors, and gaps/future infrastructure that is prepared for a graphic designer for design and layout of a printable map.
- → Preparation stage will result in a clean bike map dataset that is ready for design and printing.

# **Bike Gap Analysis Project**

### **Future Stages:**

- → Graphic Design Stage (design and printing are outside of scope of grant, but stakeholders can discuss design and printing options, and moving project forward)
- → Printing Stage
- → Distribution Stage
- → User Input Collection and Map Revision Stage (when process restarts)



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- Other



# NATA Board Meeting CO 7 Projects Update

March 24, 2022



CO 7 Corridor (Brighton to Boulder)





## **Local Partners**

## CO-7 Coalition: From Brighton to Boulder

































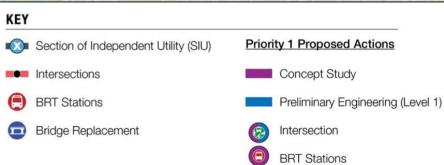
# **Project Priorities**

## The "Project"

- DRCOG Regional and Subregional Project
- Funding = \$10M Total
- Project Purpose:
  - " Prepare and advance the Corridor's design ..."
- Project Uses:
  - Develop Preliminary Engineering
  - Initiate Environmental Engineering
  - Identify Right-of-way
  - Identify Utilities
- Excludes I-25 Mobility Hub

## Corridor Development Plan



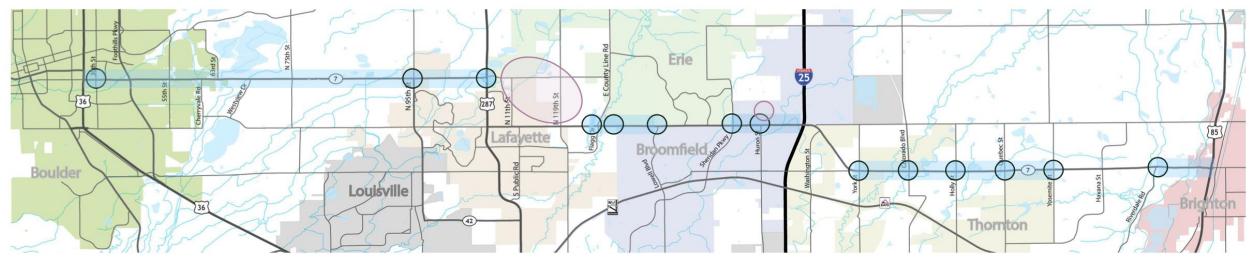






# Status of "The Project"

### CORRIDOR-WIDE PRELIMINARY ENGINEERING AND PLANS (The "Project")



#### **FUNDED PROJECTS:**

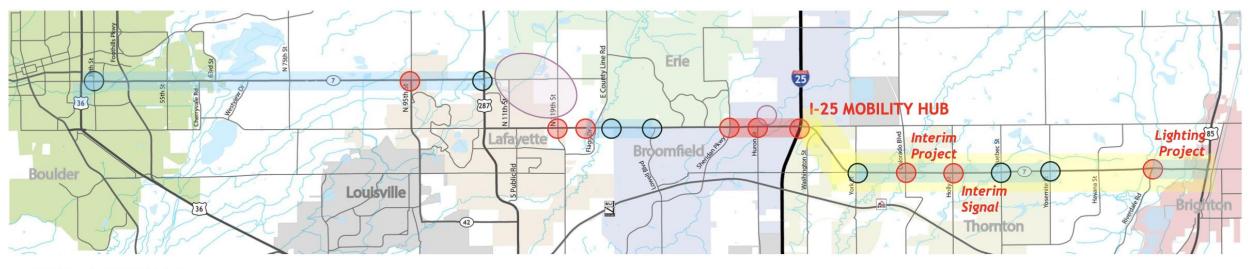
- Concept Study O Preliminary Design O Final Design Construction (Planned) O Pavement Resurfacing
- Preliminary engineering design and plans for "Ultimate" configuration (set right-of-way)
- Includes BRT Stations and space requirements
- Staff planning and scheduling in progress (by CDOT staff with specialty staff augmentation)





# Status of All Projects

## STATUS OF ALL CORRIDOR PROJECTS (Study, Design & Construction)



#### **FUNDED PROJECTS:**

Oconcept Study Preliminary Design Final Design Construction (Planned) Pavement Resurfacing

Note: Includes \$10M PE Project plus other funded projects.





**CO 7 CORRIDOR** 

## CORRIDOR PROJECT (Preliminary Design Brighton to Boulder) - ALLOCATION SUMMARY & STATUS

Item	Budget	Status	Schedule
CDOT Management, Administration & Oversight	\$1,180,000	CDOT Performed	Ongoing
Corridor Development Plan (CDP)	\$250,000	Completed	February 2021
Aerial LiDAR Mapping	\$430,000	Contracted (In Progress)	March 2022
Program Management & Coordination (Assistance)	\$320,000	Contracted (In Progress)	Ongoing
Strategic Communications Manager	\$210,000	Procurement	March 2022 (NTP Estimated)
Corridor Bike Treatment Plan	\$103,000	Contracted (In Progress)	June 2022
Technology Deployment Plan	\$115,000	Contracted (In Progress)	TBD
Corridor Systems Planning Tool	\$149,000	Procurement	March 2022 (TBD)
Environmental Resources Planning	\$218,000	Procurement	April 2022 (TBD)
Projects: Studies and Preliminary Engineering Plans	\$7,025,000	Resource Plan in Progress	Ongoing
TOTAL	\$10,000,000		



CO 7 CORRIDOR

### CORRIDOR PROJECT (Preliminary Design Brighton to Boulder) - MASTER SCHEDULE





CO 7 CORRIDOR

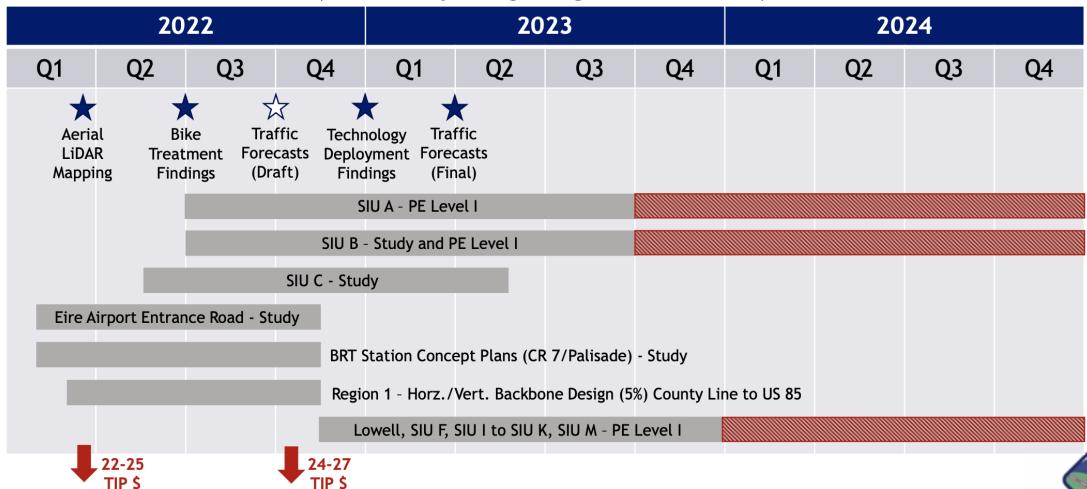
## CORRIDOR PROJECT (Preliminary Design Brighton to Boulder) - ALLOCATION SUMMARY AND STATUS

ltem	Budget	Status	Schedule
SIU A (28 <sup>th</sup> to 64 <sup>th</sup> Street) - PE Level I	\$1,467,000	SOW Drafted	12 - 18 Months
SIU B (64 <sup>th</sup> Street to US 287) - Study and PE Level I	\$1,443,000	SOW Drafted	12 - 18 Months
SIU C (US 287(N) to 119 <sup>th</sup> Street) - Study	\$224,000	SOW Drafted	12 Months
Erie Airport Entrance Road - Study	\$112,000	SOW Under Development)	6 Months
Lowell Intersection - PE Level I	\$280,000	Resource Plan in Progress	20 - 22 Months
BRT Station Concept Plans (CR 7/Palisade) - Study	\$112,000	Contracted (In Progress)	4 - 6 Months
SIU F (Sheridan Pkwy to I-25) - PE Level I	\$862,000	Resource Plan in Progress	20 - 22 Months
SIU I (York to Holly Street) - PE Level I	\$1,198,000	Resource Plan in Progress	20 - 22 Months
SIU J (Holly to Quebec Street) - PE Level I	\$560,000	Resource Plan in Progress	20 - 22 Months
SIU K (Quebec to Yosemite Street) - PE Level I	\$560,000	Resource Plan in Progress	20 - 22 Months
SIU M (Riverdale Rd to US 85) - PE Level I	\$224,000	Resource Plan in Progress	20 - 22 Months
TOTAL	\$7,042,000		



CO 7 CORRIDOR

### CORRIDOR PROJECT (Preliminary Design Brighton to Boulder) - MASTER SCHEDULE





# Status of Other Projects - R4

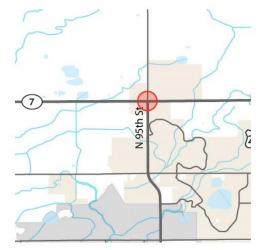
## **30<sup>th</sup> Street (City of Boulder)**



- Local Agency Project
- SB 260 funding
- Preliminary engineering design and plans
- Advance right-of-way acquisition
- Status: Project Scoping

## Preliminary Design

# CO 7/95<sup>th</sup> St Intersection (Boulder County)



- CDOT R4 Project
- SB 260 funding
- Final design and construction (2024/2025)
- Status: Working toward FIR August 2022
- Final Design
- Construction (Planned)
- Pavement Resurfacing

# CO 7/119<sup>th</sup> St Intersection (Lafayette & Erie)



- Local Agency Project
- Right-of-way acquisition in progress
- Construction (2022)
- Relocated County Line Road Project -Developer Led - Construction (TBD)





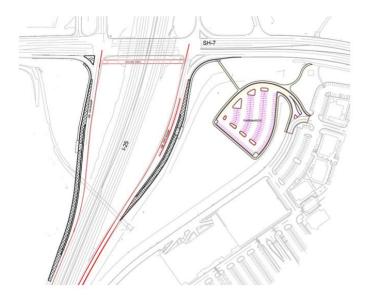
## Status of Other Projects - R1

## CO 7 Widening Sheridan to I-25 (Broomfield)



- Local Agency Project
- 4-lane widening
- Survey completed & final design in progress
- Construction Late 2022

I-25/CO 7 Mobility Hub (Broomfield & Thornton)



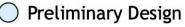
- CDOT R1 Project
- SB 267, SB 260 Funding, FASTER Safety (\$16M)
- Status: Project procurement
- Construction (TBD)

Final Design

Construction (Planned)



**Pavement Resurfacing** 

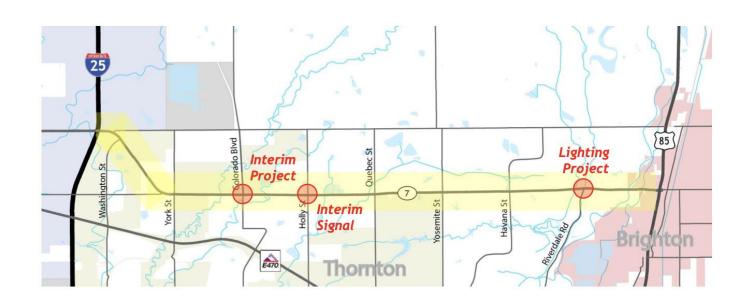






## Status of Other Projects - R1

## CO 7 Overlay - I-25 to US 85 (Thornton, Adams County & Brighton)



- CDOT Region 1 Project
- Roadway overlay project
- Colorado Blvd: Improve intersection
- Holly St: Install traffic signals
- Riverdale Rd: Install lighting
- **Construction (2023/2024)**

Final Design

Construction (Planned)



CO 7 CORRIDOR



### Program (Corridor-Wide) Activities:

- Communications (Smart Commute Metro North) Complete procurement and begin services
- Studies and Design Guidance:
  - Continue Bike Treatment & Technology Deployment Corridor-wide Studies
  - Complete Procurement and Start-up (Systems Planning Tool & Environmental Planning)

### Funded Construction (Planned) Projects:

- Complete scoping, resource planning and design procurement (I-25 Mobility Hub)
- Continue final design and plans (CO 7/95th Street & CO 7 Widening Sheridan to I-25)
- Advertise for construction (CO 7/119<sup>th</sup> Street & CO 7/Coal Creek)
- Complete bid package & advertise (I-25 to US 85 overlay)

### Preliminary Engineering Design and Plans (Ultimate):

- Complete aerial LiDAR survey and mapping receive deliverables
- Continue progress on Broomfield BRT Site Planning Study
- Complete procurement and begin Pre-Design Studies (Erie Airport Road & SIU C Study)
- Complete procurements and begin preliminary engineering design for Prioirty 1 projects





# **Projects Update**

## **Questions and Discussion**





# 2022-2025 Transportation Improvement Program

**NATA Meeting** 

March 24, 2022

Sarah Grant, City & County of Broomfield Transportation Manager

## What is a TIP?

The Transportation Improvement Program (TIP):

- Short-term federally-required planning program with specific and dedicated funding
  - vs. Regional Transportation Plan (long-term "reasonably-assumed" funding)
- Contains all projects with federal and state transportation funding
- New TIP every 2 years
- DRCOG Calls for Projects every 4 years (typically)



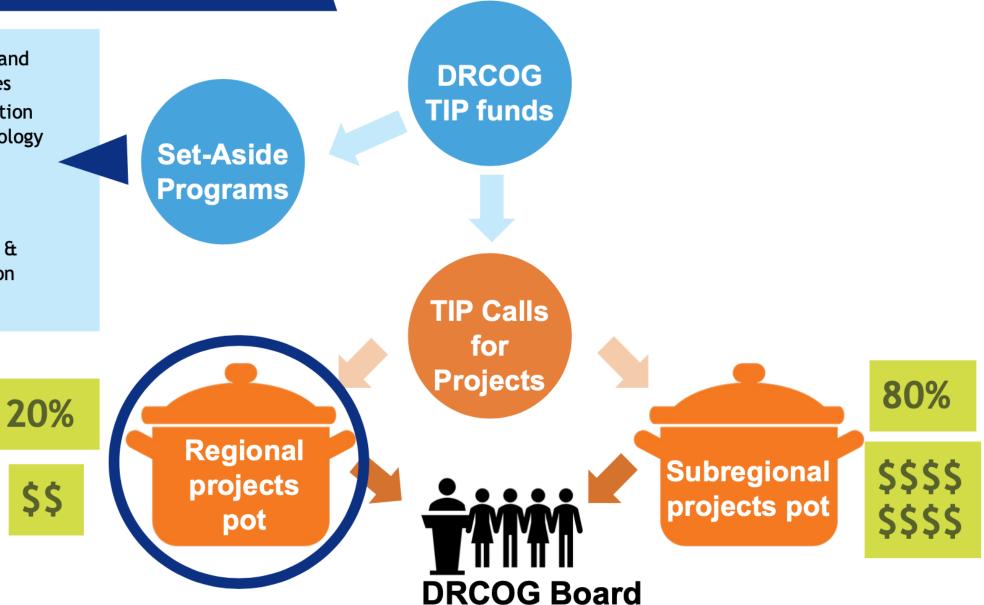
# Policies for TIP Program Development

Adopted January 19, 2022

Denver Regional Council of Government 1001 17th St. Denver, CO 80202 www.drcog.org

## **Dual Model Visualized**

- Transportation Demand
   Management Services
- Regional Transportation
   Operations & Technology
- Air Quality
- Human Service Transportation
- Community Mobility & Planning & Innovation



## **FUNDING**



- MMOF Program renewed as part of SB21-260
  - Large increase in the DRCOG distribution; \$167 M estimated over FY22-27 vs \$46 million in FY20-23. 50% match retained
  - Heavily front-loaded in <u>FY2022</u> with federal American Rescue Plan Act (ARPA) funds that have an obligation deadline of 12/31/24 and a project closeout deadline of 12/31/26
- Infrastructure Investment and Jobs Act (IIJA) signed Nov. 15 covering FY22-26
  - Statewide estimates only, 25-30% increase over FAST Act
  - New Carbon Reduction Program (CPR); mostly unknown, but should act like CMAQ

## PROGRAMMING PROCESS – CALL SEQUENCE



- 1. FY 22-25 Regional Call
- 2. FY 22-25 Subregional Call

- □ AQ/MM Track only
- All unprogrammed FY22-25 funding, except STBG
- January to September 2022, adopted into 22-25 TIP

- 3. FY 24-27 Regional Call
- 4. FY 24-27 Subregional Call

- ☐ AQ/MM and STBG Track
- All unprogrammed FY26-27 funding, plus FY22-25 STBG
- September 2022 to April 2023, adopt 24-27 TIP in August 2023

# **CALLS TIMELINE**

-	TIP	C	all	s f	or	Pr	oje	ect	s S	Sch	ec	lul	e (	as of	f No	vem	ber 2	202:	1)							
	20	21						20	22											202	23				-	
	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
			C	mbm et al.		1000	1000	ecom		Sn 35		W-1754	1000													
CALL 1: 2022-2025 Regional Share Call		8																				8				
App Scoring/Review																										
Recommendation/Action																										
CALL 2: 2022-2025 Subregional Share Call																										
App Scoring/Review (by Forums)																										
Recommendation/Action																										
Projects Amended into 22-25 TIP																										
CALL 3: 2024-2027 Regional Share Call																										
App Scoring/Review																				į į						
Recommendation/Action																										
CALL 4: 2024-2027 Subregional Share Call																										
App Scoring/Review (by Forums)																										
Recommendation/Action																										
Staff Prepares Draft TIP																										
Public Hearing Draft TIP Released																										
Draft 2024-2027 TIP - Public Hearing																										
2024-2027 TIP Adoption																										

# CALLS 1 AND 2 – FY22-25 TIP – AQ/MM APP ONLY

All funding in \$1,000's		FY22	FY23	FY24	FY25	FY26	FY27	TOTAL			
Call #1, 22-25 Regional Call (20%)		F	Y22 funding will	be added to FY	23						
	CMAQ	\$181	\$269	\$5,181	\$6,414			\$12,045			
	TA	\$64	\$72	\$543	\$553			\$1,232			
	MMOF	\$14,980	\$2,900	\$2,876	\$4,016			\$24,773			
	CRP	\$1,332	\$1,358	\$1,386	\$1,413			CE 400			
Grand Total Ava	ailable:	\$16,557	\$4,600	\$9,985	\$12,397	\$0	\$0	\$43,539			
											AQ/MM Only
All funding in \$1,000's		FY22	FY23	FY24	FY25	FY26	FY27	TOTAL	Adams	15.44%	\$26,890
Call #2, 22-25 Subregional Call (80%	6)	F	Y22 funding will	be added to FY	23				Arapahoe	18.61%	\$32,411
	CMAQ	\$724	\$1,078	\$20,724	\$25,656			\$48,182	Boulder	9.92%	\$17,276
	TA	\$256	\$289	\$2,170	\$2,213			\$4,929	Broomfield	2.44%	\$4,249
	MMOF	\$59,920	\$11,600	\$11,506	\$16,066			\$99,092	Denver	24.22%	\$42,181
	CRP	\$5,327	\$5,434	\$5,542	\$5,653			\$21 956	Douglas	10.37%	\$18,060
Grand Total Ava	ailable:	\$66,227	\$18,400	\$39,942	\$49,589	\$0	\$0	\$174,158	Jefferson	16.50%	\$28,736
									SW Weld	2.50%	\$4,354

# CALLS 1 AND 2 – FY22-25 TIP – AQ/MM APP ONLY



Estimated
Subregional
Allocations

Funding shown is a little on the high, but is a good ball park estimation of funding availability

		AQ/MM Only
Adams	15.44%	\$26,890
Arapahoe	18.61%	\$32,411
Boulder	9.92%	\$17,276
Broomfield	2.44%	\$4,249
Denver	24.22%	\$42,181
Douglas	10.37%	\$18,060
Jefferson	16.50%	\$28,736
SW Weld	2.50%	\$4,354

## **OBSERVATIONS**



- Calls 1 and 2: programming of projects only to FY23-25;
  - Suggestion to put forth projects that are "smaller", "less complicated", "ready to go" – get in and get out
  - Most will probably have FY22 MMOF funding with FY24 and FY26 deadlines
  - AQ/MM App: No roadway capacity or recon; bridge reconstruction. All projects must improve congestion/AQ
- Calls 3 and 4: programming to 24-27
  - majority to FY26/27 (good for construction phases)
- All calls: please be flexible to changes; may need to shift funding types/years in FY22-25 TIP when FY24-27 TIP is adopted

## CO 7 Corridor Development Plan

Table 16. Priority 1 Proposed Actions

					Act	ivity
SIU	No.	Location	Title	Cost	Study	PE (Level)
Α	2-20	Boulder	SIU A - 28 <sup>th</sup> to 64 <sup>th</sup> Street	\$1,467,000		X (I)
В	1-1	Boulder, Boulder Co	BRT Concept Study (64 <sup>th</sup> - US 287) (SIU B)	\$180,000	Х	
В	2-21	Boulder, Boulder Co	SIU B - 64 <sup>th</sup> Street to US 287	\$1,263,000		X (I)
С	2-22	Lafayette, Erie, Bldr Co	SIU C - US 287 (N) to 119 <sup>th</sup> Street	\$224,000	Х	
Е	4-1	Erie	Erie Airport Entrance Rd Concept Plan	\$112,000	X	
Е	2-7	Broomfield	Lowell Intersection	\$280,000		X (I)
F	1-2	Broomfield	BRT Station Concept Plans (CR 7/Palisade)	\$112,000	X	
F	2-24	Broomfield	SIU F - Sheridan Pkwy to I-25	\$862,000		X (I)
1	2-26	Thornton	SIU I - York to Holly Street	\$1,198,000		X (I)
J	2-27	Thornton	SIU J - Holly to Quebec Street	\$560,000		X (I)
K	2-28	Thornton	SIU K - Quebec to Yosemite Street	\$560,000		X (I)
М		Brighton, Adams Co	Placeholder - TBD (See Note)	\$224,000		
			Total	\$7,042,000		

Note: In coordination with the CDP formulation, a Proposed Action placeholder for the City of Brighton and Adams County has been established to be defined within the Final CDP Report or later.

## Regional Call 1 CO 7 Preconstruction

Keep momentum on 2020-2024 TIP CO-7 Preliminary & Environmental Engineering Brighton to Boulder \$10 million

Preconstruction activities for eligible components of Priority 1 Proposed Actions from the CO 7 Corridor Action Plan

### 7.3 Proposed Action Priorities

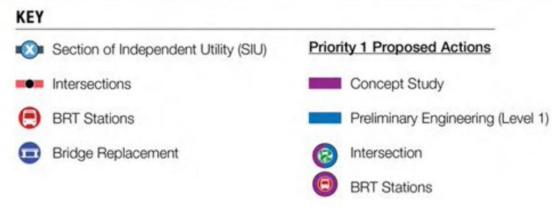
The recommended Priority 1 Proposed Actions constitute the Project. The following summarizes the recommended plan:

ERIE BACONO

BIORE POR DE CONTROLUPTON

BIORE PO

Figure 19. Recommended Plan - Priority 1 Proposed Actions



## Regional Call 1: CO 7 Preconstruction

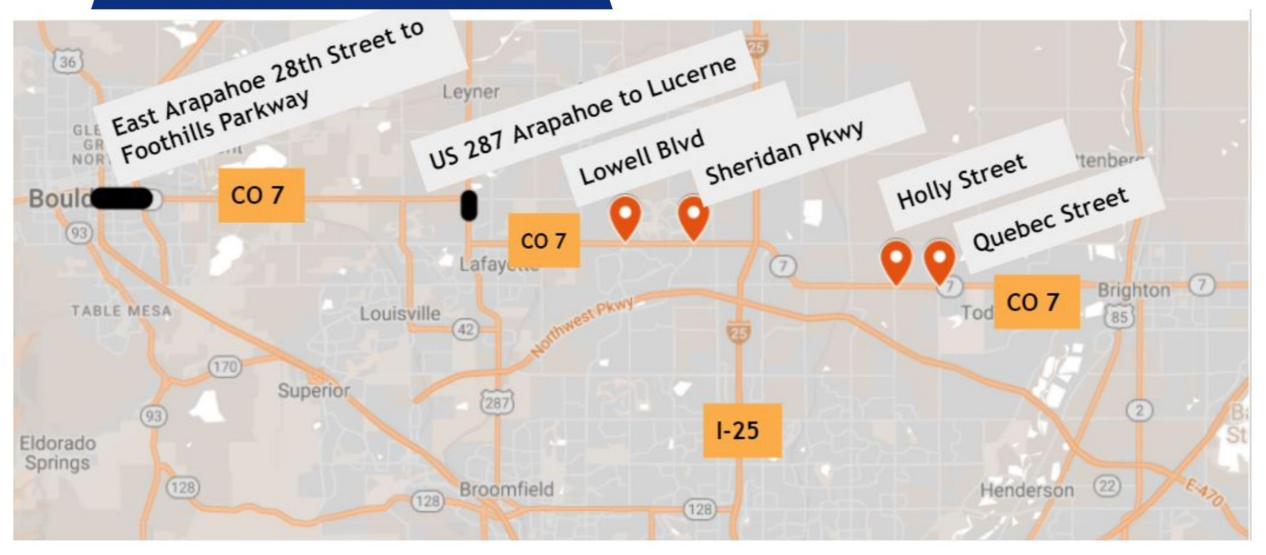
## **Application:**

CO 7 Priority 1-A Multimodal Preconstruction activities to advance toward construction phase. Components would be eligible for AQ/MM:

- R4/Boulder County Subregion:
   East Arapahoe (CO 7) 28th St to Foothills
   US 287/CO 7 Superstop Station
- R1/Broomfield/Erie: Lowell & Sheridan Intersections
- R1/ Adams County Subregion: Holly & Quebec intersections

Suregional Forum Support from Adams, Broomfield and Boulder Subregional Forum Financial support from Broomfield and Boulder

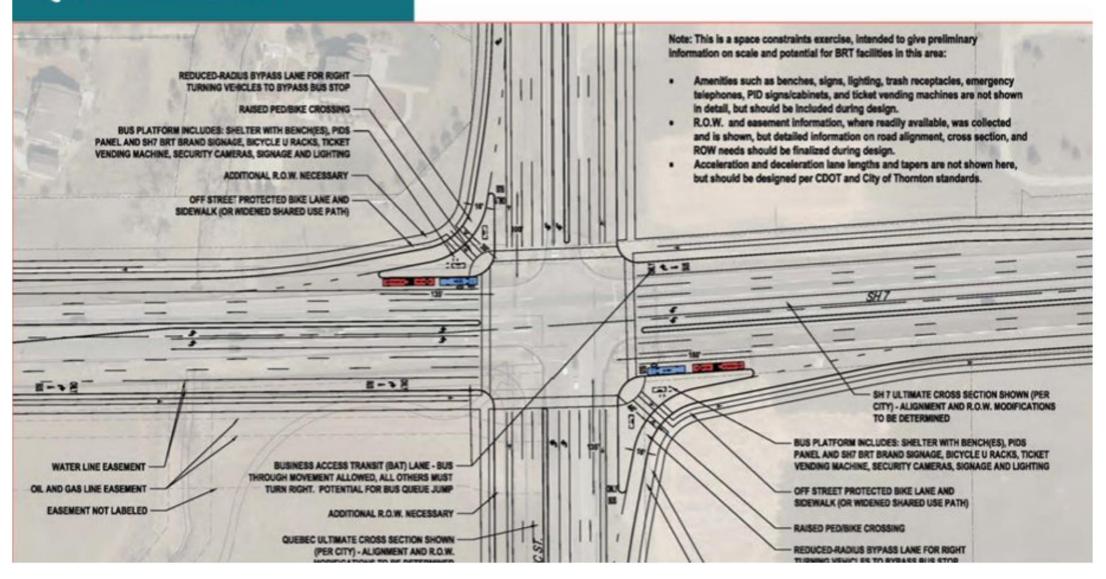
## Priority 1 A Locations (MM/AQ)



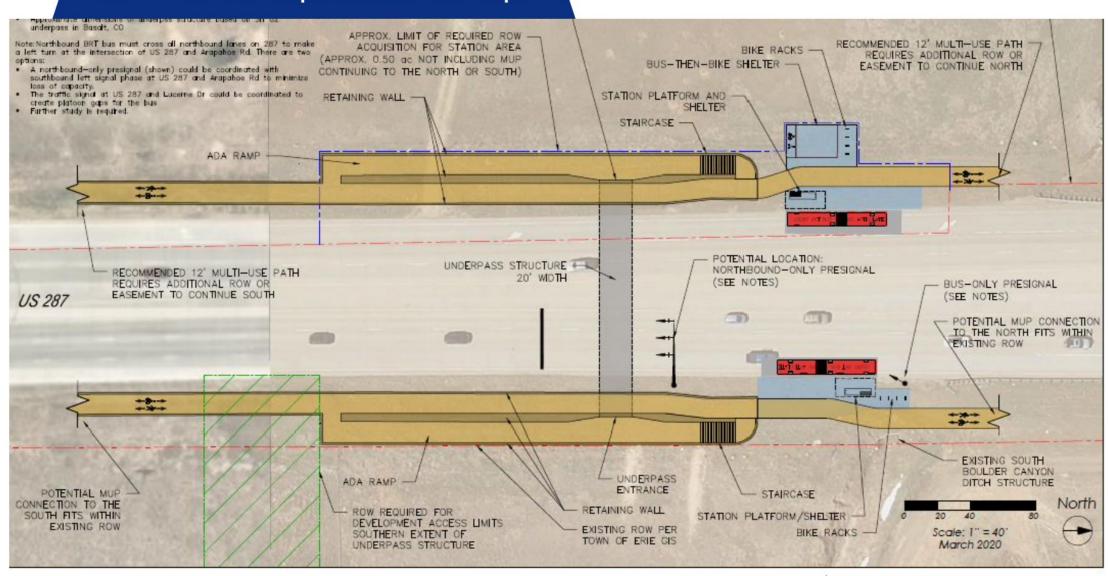
Complete multimodal design to prepare for construction phase on Priority 1A location

## **Intersection Concept**

## Quebec St. & SH7



## CO 7 / US 287 Superstation Concept



US 287 Bus Rapid Transit - STATION CONCEPT
Alternative 2 - Underpass







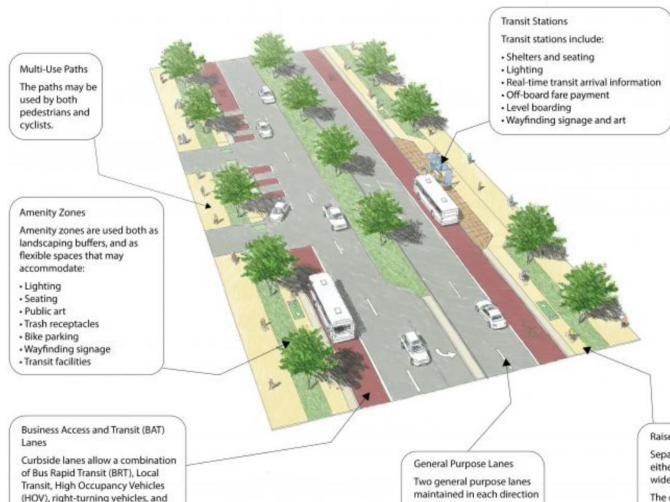


## East Arapahoe Typical Concept

### Recommended Alternative (typical)

new technologies such as shared

autonomous/connected vehicles.



for most of the corridor.

### Pedestrian and Bicycle Facility Options

Two design options for pedestrian and bicycle facilities are feasible and will likely vary by location. The configuration will be refined in a later design phase.

#### Design Option 1



A narrow paved buffer separates the protected bike lane from the roadway, and a wide amenity zone with street trees is located between the protected bike lane and the multi-use path.

#### Design Option 2



A wide amenity zone with street trees separates the protected bike lane from the roadway, and a narrower amenity zone is located between the protected bike lane and the multi-use path.

#### Raised Protected Bike Lanes

Separated from the roadway by either a narrow paved buffer, or a wide amenity zone with street trees.

The configuration will likely vary by location and be refined in a later design phase.

## **Subregional Overmatch**

	diameter and the second					
Title	Estimated Cost*	Regional TIP Request	Subregional Federal	CDOT Overmatch	Local/CDOT	Local/Local
SIU A partial - 28th Street to Foothills	\$3,400,000	\$2,720,000	\$170,000	\$170,000	\$170,000	\$170,000
287 / Arapahoe to Lucerne and SuperStatio	\$2,300,000	\$1,840,000	\$115,000	\$115,000	\$115,000	\$115,000
Lowell Intersection	\$1,300,000	\$1,040,000	\$65,000	\$65,000	\$65,000	\$65,000
Sheridan Intersection	\$2,000,000	\$1,600,000	\$100,000	\$100,000	\$100,000	\$100,000
Quebec Intersection	\$2,500,000	\$2,125,000	0	\$125,000	\$125,000	\$125,000
Holly Intersection	\$2,200,000	\$1,870,000	0	\$110,000	\$110,000	\$110,000
	\$13,700,000	\$11,195,000	\$450,000	\$685,000	\$685,000	\$685,000

Regional Request	81.72%
Non-Regional Match Total	18.28%
Match Score	1

**CDOT Match** 

CDOT Region 1: \$800,000

CDOT Region 4: \$570,000

**Boulder County application: CO 7 Transit Operations** 

Boulder County is proposing to submit a 2022-2025 DRCOG Regional TIP Application to start new fixed route, limited-stop transit service on CO7 connecting Boulder and I-25 Funding would cover operations and maintenance of the service as well as a marketing and outreach component.

Route: Downtown Boulder Station to Larkridge Shopping Center at the Interim I-25/CO 7 Station & Park N Ride scheduled for construction in 2023 and anticipated to open in 2024.



### Service Plan

Opening Day: Monday through Friday from 6 a.m. to 11 p.m. with 30-minute headways. Op Hours flexible, for example, evening service may be exchanged for an hourly service on weekends.

### **Schedule**

The funding from this DRCOG grant would pay for service that will run for 30 months beginning January 2024 and ending summer of 2026.

### Integration with Existing Service

- This new service would be on top of the existing transit service in the corridor.
- This arrangement is similar to how the TransFort's FLEX route is in addition to the BOLT on the Diagonal Highway.
- After award, there will be work to coordinate schedules to maximize mobility in the corridor.

## **Operations:**

We will not know service operator at the time of the grant application. This is no different than capital projects where the contractor is unknown at the time of grant submission. After award, Boulder County will lead a procurement process to select the operator. Despite not knowing the operator, there are three logical choices:

- CDOT Division of Transit and Rail
- 2. RTD
- 3. Third-party contractor. If this option is selected, Boulder County would manage the contractor and add 15% of total costs for management.

### **Vehicles**

- The local agency partners, RTD and CDOT agreed that vehicles would not be purchased for this new transit service.
- Typical life-span of vehicles is over 10 years, which was much longer than the span of the grant.
- Hourly cost used in the budget creation include costs for the selected operator to provide the vehicles.

## Marketing and Outreach

Approximately 2% of the total budget will be used for marketing and outreach.

### **Budget and Match**

- Based on the service plan and schedule described the total budget for the project is \$8,284,000.
- This particular grant requires only a 10% match.
- Match is targeted to come from a portion of the \$1,860,000 identified for "CO7 Corridor Improvements" in CDOT's 10-Year Project of Pipelines.
- In addition to this, Boulder County is looking to local agency partners to contribute some local cash to the project to show investment in the project.

Cost: \$9,411,000

DRCOG Request \$8,460,000

CDOT: 701,000

Local agencies: \$250,000

# Questions?



# Agenda



• Welcome and Introductions- Chair Lynn Baca

Please sign in using the chat box

- Approval of February Meeting Minutes
- RAISE Grant Letters of Support
- Smart Commute update- Carson Priest
- CDOT Transportation Commissioner Update- Commissioner Stuart
- RTD Directors Reports- Directors Buzek, Cook, Davidson, Whitmore
- Update on 84<sup>th</sup> Subcommittee meeting -Commissioner Stuart
- CO7 Corridor Plan Update Ryan Sorensen, CDOT, Sarah Grant, Broomfield
- Other