

Transportation Advisory Committee

Meeting date: November 18, 2024

Agenda Item #: 4 (Attachment B)

Innovative Mobility Set-Aside Project Recommendations

Agenda item type: Action

Summary

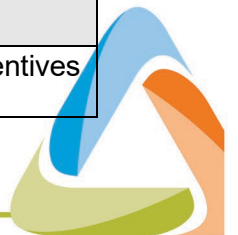
Project selection recommendation for the first cycle of fiscal year 2024-2027 funding through the Innovative Mobility Transportation Improvement Program Set-Aside.

Background

The Innovative Mobility Set-Aside was approved by the Board of Directors as part of the Fiscal Year 2024-2027 Transportation Improvement Program to assist regional partners as they plan for, and prepare, innovative solutions to mobility challenges in the Denver region. A total of \$4 million is available in the set-aside over the four-year period.

Staff conducted the first solicitation of Innovative Mobility Set-Aside project proposals this fall from September 5, 2024, through October 15, 2024. There were 16 projects submitted for consideration. A summary of the proposals received is below.

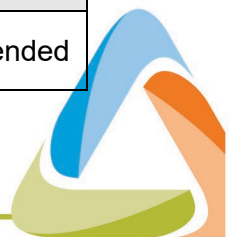
Project Sponsor	Project Name
Adams County	Solar Roller: The Amp-bulance Pilot
Arapahoe County	Florida Corridor Micromobility Hubs
Arvada	Safe and Sustainable Connections: Little Dry Creek Evaluation and Design Innovations in the Commercial Center
Boulder	Central Area General Improvement District Garage Mobility Hub Concept Planning
Boulder Chamber	Mobilizing Data-Driven Solutions for Smarter Commutes: Understanding Travel Behavior to Shape Effective TDM Strategies in Boulder
Centennial	Midtown Centennial Mobility Plan
Commuting Solutions	Redtail Ridge and US 36 and Flatiron Station Microtransit Study
Denver	Curbside Digital Twin
Denver, Boulder	Bike+ Data Fusion
Golden	Docked Bike Share Feasibility Analysis
Longmont	Car Share Expansion Study
National Renewable Energy Lab	Integrated Mobility Solutions: Leveraging Data Fusion to Meet Metro Vision 2050 Challenges and Opportunities
Parker	Mobility on Demand and Microtransit Feasibility Study
Thornton	Near Miss Analytics
University of Colorado Boulder	E-Bike Program and Maintenance Facility Feasibility Study
University of Colorado Denver	Designing Light-duty Electric Vehicle and Green Transportation Incentives for Transportation Disadvantaged Households



A selection panel made up of staff reviewed, scored, and deliberated to recommend seven projects for funding. Projects were scored using the criteria set forth in the Policies for Fiscal Year 2024-2027 Transportation Improvement Program Set-Aside Programs document; these criteria include: alignment with Metro Vision, alignment with Metro Vision Regional Transportation Plan priorities, collaboration and partnerships, innovation, transferability, project readiness and equity.

Each proposed project included an estimated budget in their letter of interest. After reviewing and discussing internally, and consulting project sponsors, staff has recommended budget adjustments to ensure the projects align with recent experience on similar types of projects. The budgets below are estimates. Final budgets will be set during the procurement phase after staff collaborate with project sponsor(s) for each selected project to develop detailed scopes of work and outline the expertise required to deliver each project. Projects will begin in order of priority, as listed below. It is estimated that 3 to 4 projects will begin in the first year and the remaining projects will begin in the second year of the set-aside.

Rank	Project sponsor(s)	Project name	Recommended budget (estimate)	Recommendation
1	Denver, Boulder	Bike+ Data Fusion	\$400,000	Fund
2	Arapahoe County	Florida Corridor Micromobility Hubs	\$100,000	Fund
3	Golden	Docked Bike Share Feasibility Analysis	\$150,000	Fund
4	Denver	Curbside Digital Twin	\$250,000	Fund
5	Thornton	Near Miss Analytics	\$150,000	Fund
6	Parker	Mobility on Demand and Microtransit Feasibility Study	\$150,000	Fund
7	Boulder	Central Area General Improvement District Garage Mobility Hub Concept Planning	\$250,000	Fund
8	Commuting Solutions	Redtail Ridge and US 36 and Flatiron Station Microtransit Study	-	Not recommended
9	University of Colorado Boulder	E-bike Program and Maintenance Facility Feasibility Study	-	Not recommended
10	Arvada	Safe and Sustainable Connections: Little Dry Creek Evaluation and Design Innovations in the Commercial Center	-	Not recommended
11	Centennial	Midtown Centennial Mobility Plan	-	Not recommended
12	Adams County	Solar Roller: The Amp-balance Pilot	-	Not recommended



Rank	Project sponsor(s)	Project name	Recommended budget (estimate)	Recommendation
13	University of Colorado Denver	Designing Light-duty Electric Vehicle and Green Transportation Incentives for Transportation Disadvantaged Households	-	Not recommended
14	Boulder Chamber	Mobilizing Data-Driven Solutions for Smarter Commutes: Understanding Travel Behavior to Share Effective Transportation Demand Management Strategies in Boulder	-	Not recommended
15	National Renewable Energy Lab	Integrated Mobility Solutions: Leveraging Data Fusion to Meet Metro Vision 2050 Challenges and Opportunities	-	Not recommended
16	Longmont	Car Share Expansion Study	-	Not recommended

Action by others

None

Previous discussion/action

[July 22, 2024](#) – Innovative Mobility Set-Aside overview

[October 23, 2023](#) – Transportation Improvement Program set-aside programs schedule

[February 27, 2023](#) – Policies for FY 2024-2027 Transportation Improvement Program set-aside programs

Recommendation

Move to recommend to the Regional Transportation Committee funding seven Innovative Mobility Set-Aside projects, as recommended by the selection committee.

Attachment

Staff presentation

For more information

If you need additional information, please contact Emily Lindsey, active and emerging mobility program manager, at 303-480-5628 or elindsey@drcog.org.





Innovative Mobility Set-Aside Project Recommendations

Transportation Advisory Committee, November 18, 2024

Innovative Mobility Set-Aside overview

- \$4 million total identified in set-aside in the 2024-2027 Transportation Improvement Program.
- Staff-managed projects.
- Funding for consultant and vendor services.
- Prepare the region for innovative mobility and invest in collaborative learning opportunities.





Set-aside goals

- Prepare the region for advanced and emerging mobility.
- Invest in collaborative learning.
- Demonstrate new and/or innovative mobility solutions.
- Learn and transfer solutions throughout the region.
- Increase mobility and accessibility by providing innovative transportation options for travelers of all ages, incomes and abilities.

Selection process

- **Letter of interest window:** September 5 to October 15.
- **Selection panel:** DRCOG staff from Transportation Planning and Operations division and Regional Planning and Development division.
- **Evaluation criteria:**
 - Alignment with Metro Vision.
 - Alignment with Metro Vision Regional Transportation Plan priorities.
 - Collaboration and partnerships.
 - Innovation.
 - Transferability.
 - Project readiness.
 - Equity.

Letters of interest received

Project sponsor	Project name
Adams County	Solar Roller: The Amp-balance Pilot
Arapahoe County	Florida Corridor Micromobility Hubs
Arvada	Safe and Sustainable Connections: Little Dry Creek Evaluation and Design Innovations in the Commercial Center
Boulder	Central Area General Improvement District Garage Mobility Hub Concept Planning
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Thornton	Near Miss Analytics
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Selection panel recommendation

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Golden	Docked Bike Share Feasibility Analysis	\$150,000
Denver	Curbside Digital Twin	\$250,000
Thornton	Near Miss Analytics	\$150,000
Parker	Mobility on Demand and Microtransit Feasibility Study	\$150,000
Boulder	Central Area General Improvement District Garage Mobility Hub Concept Planning	\$250,000

Recommended motion

Move to recommend to the Regional Transportation Committee the Innovative Mobility Set-Aside projects for funding, as recommended by the selection committee.