



ADVANCED
MOBILITY
PARTNERSHIP

AGENDA

WORKING GROUP
Tuesday, December 6, 2022
2:30 p.m.

Remote Meeting

DRCOG is hosting this meeting remotely (no in-person option).

Please register and join the meeting using this link:

https://us06web.zoom.us/meeting/register/tZcsceqqqTsoGtWevEuUA0wGX4_KjVD9TTgM

- 1. Welcome and Introductions**
- 2. AMP Focus Area: System Operations**
DRCOG Regional Transportation Operations and Technology Strategic Plan
Greg MacKinnon, Transportation Operations Program Manager, DRCOG
- 3. Informational Briefing**
Smart Work Zone Specification
Ben Acimovic, Traffic Operations and Technology Manager, CDOT

CDOT's Streetlight InSight Subscription
Nell Conti, GIS Section Manager, CDOT
- 4. Annual Tactical Action Updates**
- 5. 2023 Meeting Calendar**
- 6. Partner Agency Updates and Other Matters**
- 7. Next Meeting: February 7, 2023**

Attendees can request additional aids or services, such as interpretation or assistive listening devices, by calling 303-480-6701 or emailing kfallon@drcog.org. Please notify us at least 48 hours in advance so we can coordinate your request.



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WORKING GROUP
Tuesday, November 1, 2022
2:30 p.m.

Denver Regional Council of Governments
held remotely via Zoom

MEETING SUMMARY

Attendees

Shazal Afraaz, Felsburg Holt & Ullevig
Anna Bunce, City of Centennial
Scott Burton, City and County of Denver
Kalie Fallon, DRCOG
John Firouzi, City of Arvada
Andy Geleske, CDOT
Jason Green, Northern Colorado Clean Cities
Brian Hamlin, Seattle DOT
Kristin Kenyon, FTA
Michael King, CDOT
Emily Kleinfelter, DRCOG
Anne Kuechenmeister, Michael Baker International
Alex Larson, Olsson
Diego Lopez, Northern Colorado Clean Cities
Greg MacKinnon, DRCOG
Wes Marshall, CU Denver
Ryan McCann, City and County of Denver
Dan Merritt, RTD

Aditi Misra, CU Denver
Doug Monroe, RTD
Eliot Mueeting, Populus
Lisa Nguyen, DEN
Ashley Nysten, CDOT
Heather Pickering-Hilgers, CDOT
Carson Priest, Smart Commute Metro
North
Flo Raitano, DRCOG
Tegan Rice, RTD
Jan Rowe, CDOT
Josh Schwenk, DRCOG
Josh Sperling, NREL
Robert Spotts, DRCOG
Lisa Streisfeld, CDOT
Kellee Van Bruggen, City of Arvada
Brian Welch, RTD
Tom Worker-Braddock, City of Aurora
Sina Zhen, CDOT

1. Welcome and Introductions

Ashley Nysten, CDOT, welcomed attendees to the Advanced Mobility Partnership (AMP) Working Group and introduced Heather Pickering-Hilgers, interim Chair.

2. Informational Briefings

Seattle Department of Transportation, Curb Management Strategies

Brian Hamlin, Seattle Department of Transportation, introduced the City of Seattle's curbside management strategies.¹ The current curbside management priorities are

¹ <https://www.seattle.gov/transportation/projects-and-programs/programs/parking-program/parking-regulations/flex-zone/curb-use-priorities-in-seattle>



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dictated by the city's Comprehensive Plan. The curbside management team sets strategic plans and policies to manage curb use and further the city's goals around sustainability, livability, and equity. The suite of strategies includes flex zone policies, a performance-based paid parking pricing program, a digital commercial vehicle permit program, restricted parking zones, and a curbside EV charging pilot program.

The curbside management team analyzes the current curb environment using data sets of sign records, curb inventory, and pay stations. The city currently has over 90,000 curb sign records in an asset management system and 2,700 block faces with digital linear curb inventory. There are 1,500 pay stations with an average of 10 million paid parking transactions annually. These data sets, in combination with an annual parking study, are used to inform and measure curbside policies and regulations. However, the sign record data stored in the asset management system is currently not machine readable and the city cannot communicate digitally with third parties regarding curbside space availability and regulations.

To find a solution, the city joined the Open Mobility Foundation (OMF) and participated in a steering committee to develop Curb Data Specification (CDS).² CDS standardizes how cities record and communicate curb data. There are three APIs in CDS: inventory, events, and metrics, which allow for standardizing data. The city is currently working with Populus to develop a translation strategy and standardize their sign record inventory data into CDS. The city continues to research the feasibility of other innovative curbside management programs and how CDS will inform those programs. Examples include e-cargo bike deliveries and green loading zones, automated commercial vehicle payments, and commercial vehicle permits

Colorado Department of Transportation, Office of Innovative Mobility Grants

Sina Zhen and Andy Geleske, CDOT, gave an overview of CDOT's Office of Innovative Mobility (OIM) available Innovative Mobility Grants.³ The Office of Innovative Mobility's mission is to reduce air pollution caused by roadway congestion by expanding multimodal options. The purpose of the OIM Grants is to provide financial assistance to stakeholders looking to implement programs and projects that support OIM's core mission. The current call for projects includes funding opportunities for mobility services, mobility technology programs, and electrification and energy projects. Overall, the OIM grant is building on the success of the previous Strategic TDM Grants by including other programs and expanding resources.

There are two grant offerings under the Strategic TDM Grants: TDM Seed Funding and TDM Innovation Grants. As of the meeting date, there have been two previous rounds of funding for both TDM Seed Funding and the TDM Innovation Grants. The TDM Innovation

² <https://www.openmobilityfoundation.org/about-cds/>

³ <https://www.codot.gov/programs/innovativemobility/grants/overview>



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Grant offers \$20,000 - \$50,000 per project over one year with a 20% match requirement. The TDM Seed Funding Grant offers \$20,000 - \$100,000 per program over two years with a 20% match preference.

The Electrification and Energy Grant's purpose is to propel the state's electrification efforts and expand public awareness and adoption of electric vehicles. The grant offering has two funding categories: ZEV workforce development and e-mobility education and awareness. Applicants may be awarded \$20,000 - \$100,000 with a 20% match encouraged over a one-year period. The Mobility Technology Grant's purpose is to increase the safety and efficiency of Colorado's roadways as well as accelerate the adoption of connected vehicles. Applicants will not be awarded cash, but instead awarded a one-time in-kind donation of up to 10 Roadside Units and up to 10 Onboard Units. CDOT will provide additional project support for one year.

NOFOs are now open. Grant applications are due December 9, 2022. An informational webinar regarding OIM grants will be hosted on November 9, 2022 at 12pm. Questions can be sent to: dot_innovativemobility@state.co.us.

Regional Transportation District, Reimagine RTD

Brain Welch, RTD, gave an update on the Reimagine RTD Mobility Plan for the Future.⁴ The Mobility Plan for the Future was conducted to address recent industry advancements and societal shifts that have changed how and when people travel. It was created to understand how the region will change in the future and to better understand how RTD should adapt to future changes. The plan established a set of guiding principles, which include mobility, equity, finance, partnerships, workforce, and sustainability. Market, demand and financial analyses were done to better understand the future horizons, up to the year 2050. As a part of the plan, RTD assessed current challenges as well as future needs and opportunities. Future needs and opportunity areas include Maas, partnerships, workforce retention, zero emission vehicles, and facility upgrades.

The plan went through robust public and stakeholder input. There was a total of 181 meetings with over 4,000 attendees and over 1,600 comments received on the SOP.⁵ There was a strong desire for RTD to add service overall and a strong support to prioritize those in need from public feedback. Additionally, there were concerns expressed about the reliability and safety of existing services. From this feedback, recommendations established four categories of the system optimization plan: access, equity, sustainability, and financial. Implementation of the plan will focus on these four categories.

3. 2023 Calendar

⁴ <https://www.rtd-denver.com/reimagine>

⁵ <https://storymaps.arcgis.com/stories/50913e9081614ff69898f299cd84fbdc>



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Kalie Fallon, DRCOG, went over the AMP Working Group calendar for 2023 and pointed out meetings will be cancelled due to holidays. Ms. Fallon asked if any members have ideas for topics or speakers they would like to see present at future 2023 meetings to let her know. Ms. Nyguen pointed out that a field trip to DEN would be of interest.

4. Partner Agency Updates and Other Matters

Kalie Fallon, DRCOG, gave an overview of DRCOG's novel regional crash data consortium and invited partner agencies to reach out to Erik Braaten, senior planner at DRCOG, for more information.

5. Next Meeting and Adjournment

Ms. Pickering-Hilgers thanked everyone for participating in the meeting. The next is December 6, 2022.

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DATE: December 6, 2022
TO: AMP Working Group
FROM: Greg MacKinnon, Transportation Operations Program Manager, DRCOG
SUBJECT: AMP Focus Area: System Operations
DRCOG Regional Transportation Operations and Technology Strategic Plan
ACTION: Information

SUMMARY

DRCOG, with key regional stakeholders, including CDOT and RTD, has completed the draft Regional Transportation Operations & Technology (RTO&T) Strategic Plan. This strategic plan was distributed to both the Regional Transportation Operations (RTO) and Advanced Mobility Partnership (AMP) Working Groups for comment. This plan is now scheduled to be presented to the DRCOG committees and Board for approval.

This strategic plan is aspirational, envisioning a region that provides safe, efficient, and seamless travel between jurisdictions and modes. The strategic plan will also significantly influence the DRCOG RTO&T Set-Aside call-for-projects which is scheduled to occur in Spring 2023. DRCOG is currently preparing a guide for all the set-aside programs identified in the current DRCOG TIP Policy. This guide will describe the call-for-projects and project selection process for each of the set-aside programs. DRCOG staff will solicit input from the AMP Working Group on elements of the RTO&T Set-Aside process.

ATTACHMENTS

N/A

ADDITIONAL INFORMATION

For additional information, please contact Greg MacKinnon, Transportation Operations Program Manager, DRCOG at gmackinnon@drcog.org.



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DATE: December 6, 2022
TO: AMP Working Group
FROM: Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG
SUBJECT: Informational Briefings
ACTION: Information

SUMMARY

The AMP Working Group will have two informational briefings at the December meeting:

Smart Work Zone Specifications

Ben Acimovic, Traffic Operations and Technology Manager at CDOT, will present CDOT's Smart Work Zone specifications and deployments, which are based on the Smart Work Zones established in CDOT's Region 1 and Region 4.

CDOT's Streetlight InSight Subscription

Nell Conti, GIS Section Manager at CDOT, will provide a high-level overview of the data, metrics, and analytics included in the subscription as well as explain how potential users can gain access¹.

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

For additional information please contact Kalie Fallon, DRCOG at kfallon@drcog.org.

¹ [Transportation Analytics On Demand | StreetLight Data](#)



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DATE: December 6, 2022
TO: AMP Working Group
FROM: Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG
SUBJECT: AMP Working Group 2023 Meeting Calendar
ACTION: Information

SUMMARY

The AMP Working Group meets monthly on the first Tuesday at 2:30pm. The AMP Working Group meeting schedule for calendar year 2023 is as follows:

<u>2023 Calendar</u>
January 3
February 7
March 7
April 4
May 9
June 6
July 4
August 8
September 5
October 3
November 7
December 5

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

For additional information, please contact Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG at kfallon@drcog.org.



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