



ADVANCED
MOBILITY
PARTNERSHIP

AGENDA

WORKING GROUP
Tuesday, February 7, 2023
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/join/zoom-join?meeting=Z0tcuCvrT8jGNG6N6-yIpAtueDt-NpXIPcw>

- 1. Welcome and Introductions**
- 2. Informational Briefing**
Curb Management in the City of Oakland
Kerby Olsen, New Mobility Supervisor, City of Oakland CA
- 3. Electrification Briefing**
Mike King, Assistant Director of Electrification and Energy, CDOT
- 4. Election of Officers**
- 5. Meeting Formats**
- 6. Partner Agency Updates and Other Matters**
- 7. Next Meeting: March 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.



COLORADO
Department of Transportation





ADVANCED
MOBILITY
PARTNERSHIP

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

Denver Regional Council of Governments
held remotely via Zoom

MEETING SUMMARY

Attendees

Benjamin Acimovic, CDOT	Christina Lane, Jefferson County
Clara Bechtel, RTD	John Marcantonio, CDOT
Tom Worker-Braddock, City of Aurora	Wes Marshall, CU Denver
Kellee Van Bruggen, City of Arvada	Dan Merritt, RTD
Anna Bunce, City of Centennial	Doug Monroe, RTD
Nell Conti, CDOT	Lisa Nguyen, DEN Airport
Steve Cook, DRCOG	Carson Priest, Smart Commute Metro North
Josh Schwenk, DRCOG	Tegan Rice, RTD
Kalie Fallon, DRCOG	Jan Rowe, CDOT
Andy Geleske, CDOT	Robert Spotts, DRCOG
William Haas, FHWA	Jonathan Wade, RTD
Heather Pickering-Hilgers, CDOT	Melanie Ward, City of Centennial
Rachel Hultin, Bicycle CO	Brian Welch, RTD
Michael King, CDOT	

1. Welcome and Introductions

2. AMP Focus Area: System Operations

DRCOG Regional Transportation Operations and Technology Strategic Plan

Greg MacKinnon, Regional Transportation Operations Program Manager at DRCOG, presented an update to DRCOG's Regional Transportation Operations and Technology (RTO&T) Strategic Plan Call for Projects development process. The RTO&T Strategic Plan is currently going through the approval process at DRCOG. Once approved, the RTO&T Strategic Plan will form the basis for evaluating applications during the call for projects. The call for projects will be for the fiscal years 2024 – 2027.

RTO&T is one of several set asides in the TIP funding. DRCOG is currently preparing a set aside guidelines document to align the set aside application process with the recent TIP application process. All set aside applications will follow a multi-step application process and commonly defined review process, which will be outlined in the guidelines



COLORADO
Department of Transportation





document. The multi-step process will include a mandatory pre-application workshop, letter of intent submission, letter of intent review, invitation to submit applications, and application review and recommendation.

An important aspect to note is that the letter of intent screening will be a unique process as sponsors and stakeholders will come together to review and evaluate the projects together. This will be done to clarify project elements, partnerships, and coordination. Additionally, the source of funding for projects has changed from CMAQ to STBG. The focus of projects will still be on emissions reduction and congestion relief. However, changing the source funding to STBG allows opportunity for funding for additional projects regarding operations and capital improvements. There is a non-Federal match requirement of 17.21%.

Projects will be evaluated based on the RTO&T Strategic Plan goals and objectives, including the location of the project and anticipated performance outcomes. Location will be scored based on the TIP Data Tool and CMP Mobility Tool. Additional consideration will be given to the initiative groupings. During the evaluation process, projects must show data sharing, coordination and partnerships amongst jurisdictions.

3. Informational Briefings

CDOT Work Zone Safety Initiatives, Smart Work Zones

Ben Acimovic, CDOT, presented on CDOT's recent Smart Work Zone initiatives. The goals of Smart Work Zones are to better inform travelers, reduce congestion, improve incident management efficiency, and make work zones safer for highway workers and motorists. Smart Work Zones are defined by the FHWA as real-time, portable, reliable, and automated systems. Smart Work Zones include connected devices working in conjunction together to create a system. Smart Work Zones include devices, systems, software, work zone maintenance and programmers.

Smart Work Zone devices can include traditional devices such as arrow boards, variable speed limit signs, and dynamic message signs as well as camera and sensor trailers. Devices can be connected through systems such as the Work Zone Data Exchange (WZDx) or third-party apps, such as iCone, that use software to upload data online. Devices and systems can vary, consisting of a few devices gathering input and giving out intelligent information to being very complicated and costly for larger projects. CDOT has had multiple experiences with Smart Work Zones over the past few years, including the I-70 Twin Tunnels project and the I-25 Gap project.

There are several lessons CDOT learned by using Smart Work Zones. Firstly, every project has different needs and current deployment specs are project specific. Therefore, CDOT was unable to scale or transfer systems to local jurisdictions. Moreover, due to the complexity and cost, Smart Work Zones are meant for major projects only, and larger projects require more staffing and maintenance. Additionally, CDOT found there was a





ADVANCED
MOBILITY
PARTNERSHIP

need for a specific definition of a Smart Work Zone and defined a Smart Work Zone as “a standalone or connected toolbox of technologies that assess work zone conditions to generate actionable intelligence that improves the efficiency and safety of the traveling public and workers in the work zone.”

Looking towards the future, CDOT has developed two Smart Work Zone specifications that are scalable for any sized project. Additionally, CDOT has developed a tool to help project managers select the right devices and determine if software or a system is needed. Specs will be finalized and available within the next 30 – 60 days. Specs will not be included in CDOT’s Standards Specifications Book due to constant evolution of technology.

CDOT StreetLight Data Subscription

Nell Conti, CDOT, gave an overview of how StreetLight Data works and how CDOT has been using their StreetLight InSight Data subscription to analyze data. To summarize, StreetLight uses location-based services data from smart phones and vehicle GPS navigation systems. Data is then processed and broken down into travel modes such as bicycle, car, truck, bus, rail, and pedestrian. With that information, users of the subscription can run several different analyses such as origin destination, VMT, trip speed and travel length, and routes. Industry use cases for StreetLight data include transportation planning, traffic engineering, safety and active transportation, and smart cities and new mobility. Data can be analyzed at different scales including state and local levels.

CDOT’s Division of Transportation Development (DTD) is using the data for the GHG Rule Annual Reporting. DTD is focused on evaluating the accuracy of bicycle metrics provided by the platform. Ultimately, CDOT would like to use the data to report on annual bicycle usage at the state level over time. However, bicycle travel data has been difficult to differentiate from other modes of transportation. Additionally, there is a lack of statewide data on bicycle travel to compare against StreetLight data.

CDOT is currently using a multi-mode StreetLight subscription and evaluating the platform for 1 year. Ms. Conti invited other members who are interested in gaining access to the platform for their own projects and analyses to join the evaluation period and reach out to CDOT if interested. Training is provided directly in the platform.

4. Annual Tactical Action Updates

SMART Grants Program, ATTAIN Grants Program, and ADAS Grants

Kalie Fallon, DRCOG, informed the group that the Annual Tactical Action Updates will be presented to the AMP Executive Committee meeting on December 7, 2023. The Tactical Action Matrix is available in the AMP Executive Committee meeting packet on the AMP website under the Resources tab.

5. 2023 Meeting Calendar



COLORADO
Department of Transportation





ADVANCED
MOBILITY
PARTNERSHIP

Kalie Fallon, DRCOG, informed the group that the January 2023 meeting has been cancelled. The next meeting will be February 7, 2023. The AMP Working Group meetings will continue to be held monthly at 2:30pm on the first Tuesday of the month.

6. Partner Agency Updates and Other Matters

There were no additional partner agency updates or other matters discussed at the December meeting.

7. Next Meeting and Adjournment

Ms. Pickering-Hilgers thanked everyone for participating in the meeting. The next meeting is February 7, 2023.

DRAFT





ADVANCED
MOBILITY
PARTNERSHIP

DATE: February 7, 2023
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 one informational briefing at the February meeting:

Curb Management in the City of Oakland, CA

Kerby Olsen, New Mobility Supervisor for the City of Oakland, will present on curb management strategies currently being deployed by the City of Oakland.

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

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





ADVANCED
MOBILITY
PARTNERSHIP

DATE: February 7, 2023
TO: AMP Working Group
FROM: Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG
SUBJECT: Transportation Electrification Update
ACTION: Information and Discussion

SUMMARY

The AMP Working Group will have an informational briefing to inform stakeholders of transportation electrification-related efforts in the Denver region.

Mike King, Assistant Director of Electrification and Energy at CDOT, will provide a briefing on electrification efforts underway at CDOT and in the Denver region. This briefing is provided in an effort to better connect AMP partners to existing initiatives that relate to transportation electrification.

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

For additional information on Electrification Efforts, please contact Mike King, Assistant Director of Electrification and Energy at CDOT at Michael.king@state.co.us.



COLORADO
Department of Transportation





ADVANCED
MOBILITY
PARTNERSHIP

DATE: February 7, 2023
TO: AMP Working Group
FROM: Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG
SUBJECT: Election of Officers
ACTION: Approve

SUMMARY

Many thanks to outgoing chair of the AMP Working Group, Emily Lindsey! For the calendar year 2023, the AMP Working Group will elect a new chair and vice chair to lead and report out on the AMP Working Group. Nominations will be requested at the February meeting of the AMP Working Group for both chair and vice chair. Positions must be held by primary or alternate members from AMP partner agencies.

ACTION

Move to elect the Chair and Vice Chair of the AMP Working Group for calendar year 2023.

ATTACHMENTS

N/A

ADDITIONAL INFORMATION

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





ADVANCED
MOBILITY
PARTNERSHIP

DATE: February 7, 2023
TO: AMP Working Group
FROM: Kalie Fallon, Emerging Mobility and TDM Planner, DRCOG
SUBJECT: Meeting Formats
ACTION: Discussion

SUMMARY

At the February meeting of the AMP Working Group, the group will discuss the preferred meeting formats moving forward for the 2023 calendar year. Due to the COVID-19 pandemic, AMP Working Group meetings have been virtual, hosted via Zoom. The group will revisit an in-person and/or hybrid meeting schedule.

ATTACHMENTS

N/A

ADDITIONAL INFORMATION

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



COLORADO
Department of Transportation

