ADVANCED
MOBILITY
PARTNERSHIP

AGENDA

WORKING GROUP
Tuesday, July 7, 2020
2:30 p.m.

Remote Meeting
Please join via GoToMeeting.

1. **Welcome and Introductions**

2. **AMP Steering Committee Reports**
   Data and Data Sharing
   Ashley Nylen, Assistant Director of Mobility Technology, CDOT
   Emily Lindsey, Transportation Technology Strategist, DRCOG

   Shared Mobility
   Paul DesRocher, Planning Coordination Manager, RTD

   System Operations
   Greg MacKinnon, Regional Transportation Operations Manager, DRCOG

3. **Informational Briefing(s)**
   Regional Micromobility Activities
   Emily Lindsey, Transportation Technology Strategist, DRCOG

   Transit and Advanced Mobility Planning in the COVID-19 Era
   Brian Welch, Senior Manager of Planning Technical Services, RTD

4. **Other Matters/Update(s)**

5. **Next Meeting: August 4, 2020**

WORKING GROUP
Tuesday, June 2, 2020
2:30 p.m.

Denver Regional Council of Governments
GoToMeeting – remote only

MEETING SUMMARY

Attendees

Jeff Becker, RTD
Steve Cook, DRCOG
Paul DesRocher, RTD
Matt Duncan, RTO Representative, City of Lakewood
Amy Ford, ITS America
Johanna Jamison, Colorado Smart Cities Alliance
Dorothy Jones, Denver Metro Chamber of Commerce
Mike King, CDOT
Emily Lindsey, DRCOG
Greg MacKinnon, DRCOG
Ashley Nylen, CDOT

Carson Priest, TAC Representative, Smart Commute Metro North
Chris Primus, HDR
Flo Raitano, DRCOG
Tricia Sergeson, FHWA
Emily Silverman, Parsons
Celeste Stragand, Ford
Lisa Streisfeld, CDOT
Jess Stetson, Ride Report
Tyler Svitak, Colorado Smart Cities Alliance
Li-Wei Tung, RTD
Tom Worker-Braddock, City of Aurora

1. **Welcome and Introductions**
   Ashley Nylen welcomed attendees to the Advanced Mobility Partnership (AMP) Working Group, she then introduced all of the participants that had joined the GoToMeeting. She noted that Brian Welch was unable to attend the meeting and she would run the meeting in his absence.

2. **AMP Steering Committee Reports**
   Ms. Lindsey introduced the three focus area Steering Committees (Data and Data Sharing, Shared Mobility and System Operations). She provided an overview of the primary goals of the steering committees, which include a deep dive considering scope, timelines, outcomes, resource needs and coordination for priority tactical actions. Ms. Lindsey provided the next dates and times for Steering Committee meetings and encouraged folks that were interested in participating to join.

   Ms. Nylen provided the group an update from the first Steering Committee meeting on Data and Data Sharing. She mentioned that the group received an overview of the tactical actions and roadmap for the Steering Committee. There was a robust conversation about mobility data definitions, managing expectations around data sharing and the need to come up with

intermediate goals. She cited CDOT's digital infrastructure modernization effort, which may be a potential informational briefing at a future AMP Working Group meeting. Ms. Nylen highlighted steps including discovery and planning two complementary workshops: Technology Data Scrum and Regional Data Business Plan Workshop.

Paul DesRocher described the first Steering Committee meeting on Shared Mobility. Mr. DesRocher highlighted the tactical actions the group will be addressing and initial discussions about each tactical action. He mentioned key takeaways about the crossover that is important to consider alongside recommended activities of both of the other Steering Committees. Mr. DesRocher noted a common theme of looking at the existing conditions on each of the three tactical actions and taking advantage of the work that has already been done in the space. He highlighted the need to develop a shared definition about what the Steering Committee is hoping to accomplish. Staying true to the vision is important to being able to achieve these tactical actions.

Greg MacKinnon described the first Steering Committee meeting on System Operations. Mr. MacKinnon highlighted the tactical actions discussed at their meeting. He noted the priority to come up with consistent definitions around the key terms. Mr. MacKinnon noted the importance of developing a vision and policy work that needs to occur before each tactical action is implemented. He highlighted the importance of partnerships in order for any of these efforts to be successful. Mr. MacKinnon noted an obvious connection to both of the other Steering Committees work, emphasizing coordination that needs to occur as part of the collaborative planning process.

Ms. Lindsey noted that the electrification-related priority tactical action that was once part of the Systems Operations Steering Committee didn't really fit, and wanted to hear from the AMP Working Group about their thoughts regarding next steps. Mike King, Assistant Director of Electrification and Energy at CDOT, noted that electrification efforts are related to many of the activities in the other steering committees and as such might be good to be approach as an overarching theme rather than a standalone steering committee. Mr. King is available to the AMP Working Group to coordinate statewide efforts with regional AMP-related activities through quarterly briefings at the AMP Working Group. Other stakeholders noted that electrification of public fleets is something a lot of other groups are already working on, it would be best to support these efforts rather than duplicate them. At this time, the AMP Working Group decided not to establish a separate Steering Committee on Electrification and to approach it as an overarching theme through other Steering Committees and through the AMP Working Group activities.

3. **Informational Briefing: Colorado Autonomous Mobility Task Force**
   Ms. Nylen, Assistant Director of Mobility Technology at CDOT, provided the group with an overview of CDOT's Office of Innovative Mobility, highlighting the four focus areas: transit and rail, mobility services, mobility technology and electrification. Ms. Nylen provided the group with an

Autonomous Vehicles 101 to establish a baseline and provide definitions. She highlighted the complexity of AVs and the opportunities associated with them. She introduced the Colorado Autonomous Mobility Task Force by first highlighting the enabling legislation, SB 17-213. Ms. Nylen described the Colorado Autonomous Mobility Task Force as a collaboration between three state agencies (CDOT, Colorado State Patrol and Colorado Department of Revenue) responsible for guiding the process for testing automated driving systems in Colorado. Ms. Nylen provided examples of AV deployments in Colorado, highlighting Easy Mile deployments and CDOT's Autonomous Truck Mounted Attenuator.

Several AMP Working Group members had questions. Matt Duncan of Lakewood inquired about striping, highlighting the potential improvements for both AVs and older drivers. He mentioned that Lakewood's aging population would benefit from wider and better maintained striping, something that would also enhance the AV experience. Jeff Becker of RTD inquired about the nexus between AVs and some of their potentially negative impacts on the transportation system, like low- or no-occupant vehicles that would contribute to increased congestion and potentially not support transit. Tom Worker-Braddock of Aurora inquired about research and improvements that support bicycle and pedestrian detection by AVs.

4. **New Mobility Discussion**
   Mr. DesRocher, Planning Coordination Manager at RTD, introduced a resource that was developed as part of the Reimagine RTD planning process. The New Mobility Taxonomy lists terms, working definitions, local examples, images, synonyms and abbreviations. The taxonomy lists terms by categories and includes terms in: alternative fuels, automated vehicles, connected vehicles, shared micromobility and misc. terms. Mr. DesRocher provided this as a starting point for AMP Working Group and Steering Committee members to refer as we discuss advanced mobility topics. Ms. Lindsey noted they would upload the document and share it with the working group so people could suggest edits and use the resource.

5. **Poll: Informational and Discussion Topics**
   Ms. Lindsey facilitated a quick poll to learn more about what transportation technology-related programs, plans or pilots that AMP Working Group participants would like to learn more about or discuss at future meetings. AMP Working Group participants suggested:
   - Local jurisdiction plans for COVID-19
   - COVID impacts on transportation and solutions to mitigate them
   - Corridor coordination in south metro
   - Closing/slowing streets
   - Local innovations to mend the gap with current transit disruptions
   - Future-proofing infrastructure for AV deployment
   - Transit recovery from COVID
   - Equity

- Easy Mile in Westminster

Ms. Lindsey thanked participants for their input and ideas and encouraged them to reach out as other topics came to mind.

6. **Partner Announcements**

Ms. Nylen opened the meeting up for any partner announcements. Announcements included:

- Mr. King informed the group that the Colorado Electric Vehicle Plan was completed and available online here: https://drive.google.com/file/d/1-z-lNQMU0pymcTQEH8OvnemgTbwQnFhq/view
- Mr. MacKinnon announced that the Call for Letters of Intent for the DRCOG Regional Transportation Operations and Technology Set-Aside closed in May and staff, applicants and the RTO Working Group would review LOIs at a meeting on June 3. The set-aside was on schedule.
- Johanna Jamison announced the Colorado Smart Cities Alliance would be hosting a virtual civic lab for its members focused on crisis innovation. She provided a link for members to register here: https://www.eventbrite.com/e/virtual-civic-lab-crisis-innovation-tickets-106834442694
- Lisa Streisfeld noted that for those interested in following up about statewide striping, the contact at CDOT is San Lee in CDOT's Maintenance and Operations group.
- Mr. King announced Xcel Energy is currently soliciting applications for their EV infrastructure grant program until June 25. For more information he encouraged people to visit: https://www.xcelenergy.com/programs_and_rebates/business_programs_and_rebates/ev_supply_infrastructure

7. **Next Meeting and Adjournment**

Ms. Nylen thanked everyone for participating in the meeting. The next meeting is July 7, 2020. Ms. Nylen adjourned the meeting.

DATE: July 7, 2020
TO: AMP Working Group
FROM: Emily Lindsey, Transportation Technology Strategist, DRCOG
SUBJECT: AMP Steering Committee Reports
ACTION: Information and Discussion

SUMMARY
Following the group discussion about Mobility Choice Blueprint priority tactical actions at previous meetings, the AMP formed three focus area Steering Committees to further develop tactical action next steps. The primary purpose of the Steering Committees is to take a deeper look at scope, timelines, outcomes, resource needs and coordination for top-tier tactical actions. The Steering Committees have had two meetings so far, in May and June 2020.

The Steering Committees are working collaboratively to develop next step recommendations for the priority tactical actions in the following focus areas: Data and Data Sharing, Shared Mobility and System Operations. The Steering Committees will work throughout the summer months to develop recommended next steps for each tactical action. The next series of Steering Committee meetings are scheduled for mid-July. The July meeting will be an important meeting for participants to finalize the list of proposed activities, weigh in on priority activities and propose recommendations for AMP Working Group and Executive Committee consideration.

At the July AMP Working Group meeting, stakeholders will hear from each Steering Committee lead/co-leads about the discussions at the second series of Steering Committee meetings. The lead/co-leads by focus area are:
- **Shared Mobility**
    - o Lead: Paul DesRocher, RTD
- **Data and Data Sharing**
    - o Co-Leads: Ashley Nylen, CDOT and Emily Lindsey, DRCOG
- **System Operations**
    - o Lead: Greg MacKinnon, DRCOG

ATTACHMENT(S)
N/A

ADDITIONAL INFORMATION
For additional information, or to be added to a Steering Committee, please contact Emily Lindsey, Transportation Technology Strategist, DRCOG, at 303-480-5628 or elindsey@drcog.org.

DATE: July 7, 2020
TO: AMP Working Group
FROM: Emily Lindsey, Transportation Technology Strategist, DRCOG
SUBJECT: Informational Briefings
ACTION: Information

SUMMARY
The AMP Working Group will have several informational briefings to inform stakeholders of transportation technology-related efforts in the Denver region.

Briefing 1: Regional Micromobility Activities
Emily Lindsey from DRCOG will present on regional activities regarding shared micromobility. Emily will provide information on DRCOG's Regional Micromobility Work Group, participation in national conversations (through the Open Mobility Foundation[1] and SAE's Mobility Data Collaborative[2]), and a briefing on a shared micromobility data platform pilot.

Briefing 2: Transit and Advanced Mobility Planning in the COVID-19 Era
Brian Welch from RTD will present on Transit and Advanced Mobility Planning in the COVID-19 Era.

ATTACHMENT(S)
N/A

ADDITIONAL INFORMATION
For additional information on regional micromobility planning activities, please contact Emily Lindsey, Transportation Technology Strategist, DRCOG at elindsey@drcog.org.

For additional information on Transit and Advanced Mobility Planning in the COVID-19 Era, please contact Brian Welch, Senior Manager of Planning Technical Services, RTD at brian.welch@rtd-denver.com.

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[1] https://www.openmobilityfoundation.org
[2] http://mobilitydatacollaborative.com