



ADVANCED
MOBILITY
PARTNERSHIP

AGENDA

WORKING GROUP
Tuesday, September 7, 2021
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/tJcld-mppz4oH9Xa-wAHRs6-rTxinz-ZuGRK>

1. Welcome and Introductions

2. Informational Briefings

City of Aspen Smart Zone Curbside Management Pilot

Mitch Osur, Director of Parking and Downtown Services, City of Aspen
Dawn Miller, VP of Policy and Partnerships, Coord

Colorado Carshare

Peter Krahenbuhl, CEO and Executive Director, Colorado Carshare

3. Upcoming Work Plan Highlights

DRCOG Transportation Planning and Operations: FY 2022-2023 UPWP

Josh Schwenk, Assistant Transportation Planner, DRCOG

4. Partner Agency Updates

5. Other Matters

6. Next Meeting: October 5, 2021

Attendees can request additional aids or services, such as interpretation or assistive listening devices, by calling 303-480-6701 or emailing elindsey@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, July 6, 2021
2:30 p.m.

Denver Regional Council of Governments
held remotely via Zoom

MEETING SUMMARY

Attendees

Tonya Anderson, RTD

Jeff Becker, RTD

Chessy Brady, RTD

Nicholas Coppola, University of Colorado Denver

Jay Decker, City and County of Denver

Roger Fang, RTD

William Haas, FHWA

Paul Hamilton, RTD

Johanna Jamison, Colorado Smart Cities Alliance

Kay Kelly, CDOT

Michael King, CDOT

Emily Lindsey, DRCOG

Jill Locantore, Denver Streets Partnership

Greg MacKinnon, DRCOG

Wes Marshall, UTAC Representative

Ashley Nysten, CDOT

Ed Parks, AECOM

Carson Priest, Smart Commute Metro North

Chris Primus, HDR

Stephen Rijo, City and County of Denver

Josh Schwenk, DRCOG

Charlie Stanfield, RTD

Lisa Streisfeld, CDOT

Michael Timlin, CDOT

Jonathan Wade, RTD

Melanie Ward, City of Centennial

Brian Welch, RTD

Tom Worker-Braddock, City of Aurora

1. Welcome and Introductions

Ashley Nysten welcomed attendees to the Advanced Mobility Partnership (AMP) Working Group and announced attendees.

2. Informational Briefing

Where the Sidewalk Begins: Evaluating Pedestrian Infrastructure, Planning, & Equality Using GIS & Big Data

Nick Coppola, CU Denver presented on his dissertation research evaluating sidewalk availability and quality using GIS data resources. His research reviewed sidewalk planimetric data from 24 cities around the United States. Sidewalk width was compared to standards such as the Americans with Disabilities Act (ADA), as well as the proportion of the right-of-way given to sidewalks compared to roadways. In a case study of Cambridge, MA, the data was also analyzed to evaluate the impact of obstructions (such as streets, benches, streetlights, garbage cans, etc.) on the





passable clear width of the sidewalk. This analysis found a significantly reduced proportion of sidewalks that met the ADA standard for sidewalk widths, when accounting for obstructions.¹

Knowing this, Mr. Coppola then evaluated 16 cities based on sidewalk availability, average width, and minimum clear width (accounting for obstructions) to determine if there were inequitable distributions of missing sidewalks or sidewalks that did not meet minimum standards. To apply these findings in Denver, Mr. Coppola used cell phone trip data to find the areas of the city with the most pedestrian (or potential pedestrian) trips. Those areas were then analyzed to account for potential issues with sidewalk design, sidewalk maintenance, or other issues (such as large roadways forming a barrier).

3. AMP Focus Area: Shared Mobility – Mobility Hubs

CDOT Mobility Hub Program

Ed Parks, AECOM presented on the CDOT Mobility Hub Program. CDOT’s mobility hubs are envisioned as CDOT facilities which will integrate Bustang with other local transit providers throughout the state, primarily along the I-25 corridor. Mr. Parks reviewed the selection criteria CDOT used to identify mobility hub improvements, as well as CDOT’s Mobility Hub Handbook² covering the overall vision, planning framework, and design guidelines for mobility hubs. Each station will have its own Mobility Hub Area Plan covering background, existing conditions, and near- and long-term recommendations. The Handbook divides the mobility hubs into three typologies with the required level of amenities dependent on the typologies and some baseline cost estimates.

RTD Mobility Hub Guidelines

Charlie Stanfield, RTD and Chessy Brady, RTD reviewed RTD’s Mobility Hub Guidelines, established in 2019.³ The guidelines focus on seamless transfers between RTD’s services and other modes, equitable direct access, customer amenities, transit oriented development, and a strong sense of place. The guidelines provide a framework for the amenities at mobility hubs throughout RTD’s service area.

City and County of Denver’s Mobility Hub Strategy

Jay Decker, City and County of Denver reviewed the work Denver has been doing around mobility hubs, or as they are referred to by the City and County of Denver, “next mile stations.” They are currently piloting two locations: Carla Madison Recreation Center and Civic Center Station. Denver has also used Community Mobility Planning and Implementation Set-Aside funds through DRCOG to establish a mobility hub network at 38th & Blake Station. Denver has focused on curb

¹ <https://journals.sagepub.com/doi/abs/10.1177/0361198121991833>

² <https://drive.google.com/file/d/1atBWFIBbciQQns6dcyURnkvf83YZaHlv/view>

³ <https://www.rtd-denver.com/sites/default/files/files/2019-12/RTD-mobility-hub-guidelines-final.pdf>





management, adjacent land uses, and leveraging partnerships in their strategy for implementing mobility hubs.

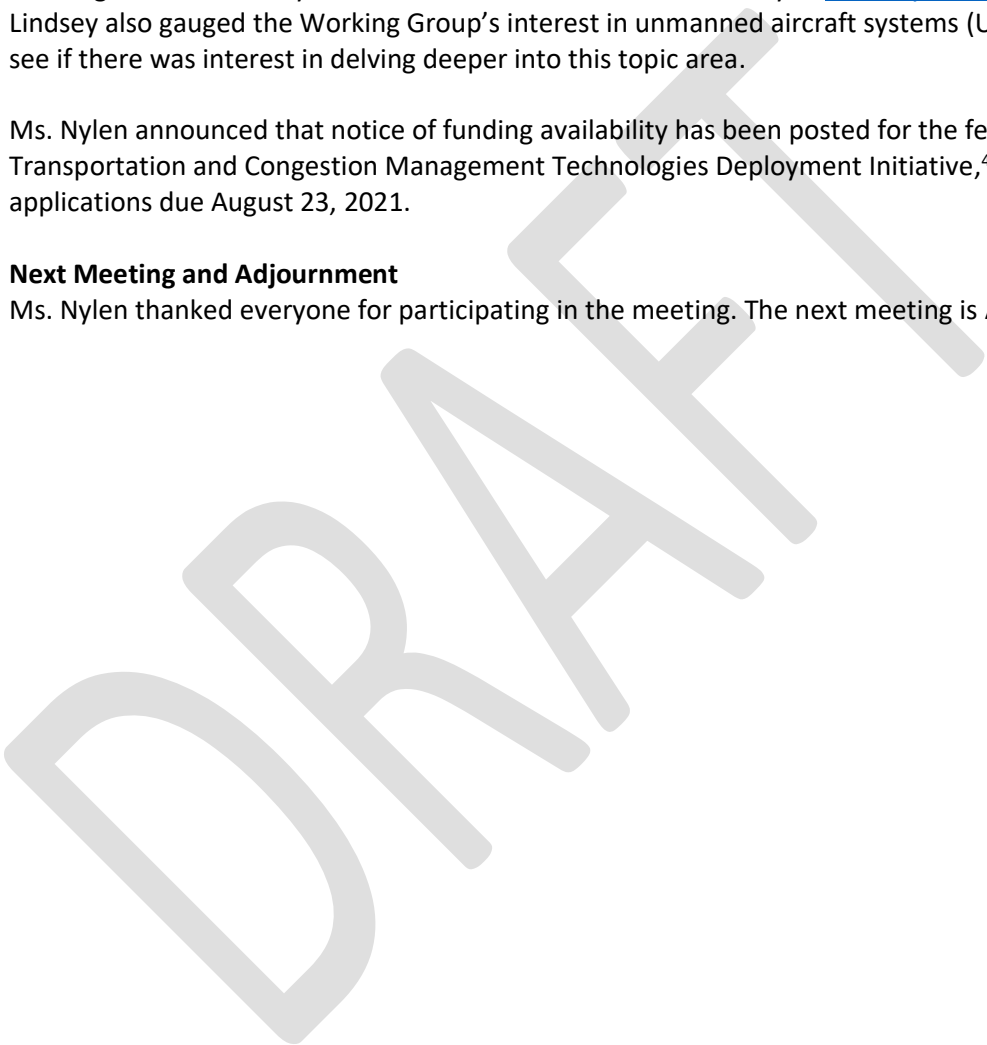
4. Partner Agency Updates/Other Matters

Emily Lindsey, DRCOG announced that AMP is looking for a new lead for the Shared Mobility Steering Committee. Anyone interested should email Ms. Lindsey at elindsey@drcog.org. Ms. Lindsey also gauged the Working Group’s interest in unmanned aircraft systems (UAS) planning to see if there was interest in delving deeper into this topic area.

Ms. Nylén announced that notice of funding availability has been posted for the federal Advanced Transportation and Congestion Management Technologies Deployment Initiative,⁴ with applications due August 23, 2021.

5. Next Meeting and Adjournment

Ms. Nylén thanked everyone for participating in the meeting. The next meeting is August 3, 2021.



⁴ <https://www.grants.gov/web/grants/view-opportunity.html?opId=334272>





ADVANCED
MOBILITY
PARTNERSHIP

DATE: September 7, 2021
TO: AMP Working Group
FROM: Emily Lindsey, Transportation Technology Strategist, DRCOG
SUBJECT: Informational Briefing
ACTION: Information

SUMMARY

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

City of Aspen Smart Zone Curbside Management Pilot

Mitch Osur, Director of Parking and Downtown Services with the City of Aspen, and Dawn Miller, VP of Policy and Partnerships with Coord, will provide an informational briefing on the City of Aspen's Smart Zone Curbside Management Pilot.¹

Colorado Carshare

Peter Krahenbuhl, CEO and Executive Director of Colorado Carshare, will provide an informational briefing and update regarding Colorado Carshare.

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

For additional information please contact Emily Lindsey, Transportation Technology Strategist, DRCOG at elindsey@drcog.org.

¹ <https://www.coord.com/aspen-smart-zones>





ADVANCED
MOBILITY
PARTNERSHIP

DATE: September 7, 2021
TO: AMP Working Group
FROM: Josh Schwenk, Assistant Transportation Planner, DRCOG
SUBJECT: DRCOG Transportation Planning and Operations: FY 2022-2023 UPWP
ACTION: Information

SUMMARY

The AMP Working Group will receive an update about AMP-related work activities in the recently adopted, DRCOG Unified Planning Work Program for FY 2022-2023.¹ This is a federally-required document that outlines activities that DRCOG staff and partners will focus on over the two-year planning period. Josh Schwenk, Assistant Planner at DRCOG, will provide an overview of transportation technology-related activities such as:

- Development of the FY 2024-2027 Transportation Improvement Program and set-asides
- DRCOG-led corridor and community-based planning
- Regional transportation operations and technology coordination
- Innovative mobility planning around topics like shared micromobility
- Continued activities supporting the exploration of a regional mobility data platform
- Ongoing participation in mobility data sharing coalitions like the Open Mobility Foundation

ATTACHMENT(S)

N/A

ADDITIONAL INFORMATION

For additional information please contact Josh Schwenk, Assistant Transportation Planner, DRCOG at jschwenk@drcog.org.

¹ <https://drcog.org/sites/default/files/resources/Final%20DRCOG%20FY22-23%20UPWP%20Document.pdf>

