AGENDA
DRCOG Board Work Session
Wednesday, March 6, 2019
4 p.m.
1001 17th Street
Aspen/Birch Conference Room

1. Call to Order

2. Roll Call

3. Summary of October 3, 2018 Board Work Session
   (Attachment A)

4. Public Comment
   The chair requests that there be no public comment on issues for which a prior public hearing has been held before the Board of Directors.

5. Discussion of Mobility Choice Blueprint
   (Attachment B) Jacob Riger, Long Range Transportation Planning Manager, Transportation Planning & Operations

6. Discussion of Metro Vision Amendments
   (Attachment C) Brad Calvert, Director, Regional Planning & Development

7. Adjourn

Persons in need of auxiliary aids or services, such as interpretation services or assisted listening devices, are asked to contact DRCOG at least 48 hours in advance of the meeting by calling (303) 480-6701
Directors present:
Herb Atchison, Chair Westminster
Jeff Baker Arapahoe County
Elise Jones Boulder County
David Beacom City and County of Broomfield
Nicholas Williams City and County of Denver
Kevin Flynn City and County of Denver
Aaron Brockett Boulder
Tammy Maurer Centennial
Steve Conklin Edgewater
Bill Gippe Erie
Daniel Dick Federal Heights
Jim Dale Golden
Ron Rakowsky Greenwood Village
Wynne Shaw Lone Tree
Ashley Stolzmann Louisville
John Diak Parker

Participating via Webex:
Roger Partridge Douglas County
Lynette Kelsey Georgetown
Stephanie Walton Lafayette
Karina Elrod Littleton

Others present: Doug Rex, Executive Director; Jamie Hartig, Douglas County; Kent Moorman, Thornton; Danny Herrmann, CDOT; and DRCOG staff.

Board Chair Herb Atchison facilitated the work session. The session began at 4:00 p.m.

Summary of September 5, 2018 Board Work Session
The summary was provided for review. No revisions to the summary were requested

Public Comment
No public comment was received.

Discussion of Active Transportation Plan
Emily Lindsey, Transportation Planner, provided an update on the DRCOG regional Active Transportation Plan. Staff anticipates releasing the draft document for public and stakeholder comment in October. The 30-day public comment period will include public outreach and stakeholder engagement. The document will be revised based on feedback received and will be presented to the DRCOG committees.

Discussion of Community Assessment Survey of Older Adults (CASOA)
Jayla Sanchez-Warren, Area Agency on Aging Director, provided an overview of the CASOA. The survey is a tool used in completing an Area Plan on Aging for 2020-2024.
The Area Plan is a federal requirement. DRCOG contracted with the National Research Center to conduct a region-wide survey of older adults. The objective of the survey is to identify community strengths, articulate specific needs of older adults, estimate the contribution of older adults and determine the connection of older adults in their community. Ms. Sanchez-Warren presented the regional analysis of the survey.

Discussion of FTA 5310 Designated Recipient
Matthew Helfant, Transportation Planner, provided an overview of the FTA 5310 program. The program funds projects to increase the mobility of older adults and individuals with disabilities. Eligible projects include both capital investment and operating assistance for service that goes beyond minimum Americans with Disabilities Act paratransit service requirements. DRCOG previously selected projects for this program and its predecessor program for several cycles for RTD. DRCOG’s AAA also administers transportation projects funded through the Older Americans Act. The coordination of the two funding sources could significantly increase service efficiency, reduce duplication, and increase the number of trips provided. DRCOG staff has met with the Colorado Department of Transportation, Federal Transit Administration, Regional Transportation District, and stakeholders to obtain input and support. CDOT, FTA, and RTD have indicated support, and stakeholders have provided useful feedback. DRCOG staff are continuing discussions with stakeholders to address their questions and concerns.

The work session ended at 5:46 p.m.
To: Chair and Members of the Board of Directors
From: Douglas W. Rex, Executive Director
303 480-6701 or drex@drcog.org

Meeting Date | Agenda Category | Agenda Item #
-------------|-----------------|-------------
March 6, 2019 | Discussion      | 5

SUBJECT
Briefing on the Mobility Choice Blueprint project and 2030 Blueprint Report.

PROPOSED ACTION/RECOMMENDATIONS
N/A

ACTION BY OTHERS
N/A

SUMMARY
Since the last Mobility Choice Blueprint briefing to the Board in September 2018, project stakeholders and the consultant team have completed the 2030 Blueprint Report (Attachment 1). The report focuses on the technical and community/engagement work undertaken to develop the Blueprint; the tactical actions that provide specific process, program, and pilot project implementation guidance; emerging mobility systems; and an overall implementation framework. The project team also developed a summary brochure and short video. All Mobility Choice Blueprint materials are available at the project website: http://www.mobilitychoiceblueprintstudy.com/.

Staff from HDR, the project’s lead consultant, will provide a briefing on the Mobility Choice Blueprint project and Report. In addition, DRCOG staff will initiate a conversation about next steps towards implementing the tactical actions.

PREVIOUS DISCUSSIONS/ACTIONS
April 18, 2018 – Board of Directors
September 19, 2018 – Board of Directors

PROPOSED MOTION
N/A

ATTACHMENTS
1. Mobility Choice Blueprint Report
2. Consultant presentation
3. DRCOG staff presentation

ADDITIONAL INFORMATION
If you need additional information, please contact Douglas W. Rex, Executive Director, at (303) 480-6701 or drex@drcog.org; or Jacob Riger, Long Range Transportation Planning Manager at 303 480-6751 or jriger@drcog.org
Mobility & Technology
Transformative technologies are changing the ways people “consume” transportation.
Community Engagement

- Inclusive citizen interviews
- Metro ambassadors
- Digital outreach
- Educational events
- Public workshops

2,000+ REACHED

What did we learn from your community?

- Importance of mobility – it’s a key enabler of quality of life
- It’s about more than infrastructure
- Missing links create gaps to connectivity
- Safety and security are critical
Objectives

Objective 1

Regional Collaboration
Close institutional gaps, update legal and regulatory frameworks, and coordinate with private sector technology implementers.
**System Optimization**

Connect transportation systems and vehicles with smart technologies to improve safety and operations

**Objective 2**

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**Shared Mobility**

Integrate new options of vehicle sharing and ride sharing into the existing multimodal transportation system network

**Objective 3**
**Objective 4**

**Data Security & Sharing**
Analyze travel data from public and private mobility providers to improve transportation system performance while maintaining security and protecting privacy.

**Objective 5**

**Mobility Electrification**
Encourage use of electric powertrains in automobiles and transit vehicles.
Objective 6

**Driverless Vehicle Preparation**

Prepare for autonomous vehicles to provide safe operations and reduced congestion while retaining a sound human experience.

Objective 7

**New Transportation Funding**

Establish new funding sources to replace traditional sources that are losing effectiveness.
**Tactical Actions**

34 total tactical actions

**Initiator: DRCOG (18)**

- 1.1 Establish Mobility Technology Advisory Committee
- 1.2 Establish a new P3 mobility entity or entities to pursue mobility technology implementation
- 1.3 Engage university resources to develop technology mobility research and development
- 1.6 Establish a regional smart mobility navigator
- 2.1 Evaluate technology upgrades and interoperability in transportation construction projects included in the TIP
- 2.2 Prepare for technology upgrades and interoperability in transportation construction projects
- 2.5 Implement smart traffic signal control technology on all major regional arterial corridors
- 2.6 Pilot integrated corridor management (ICM) on 10 arterial corridors
- 3.2 Adopt a Regional Compact defining common standards for micromobility services
- 3.4 Implement Curbside Management Standards
- 3.5 Pilot neighborhood scale mobility hubs
- 3.6 Partner with private sector to provide transportation in mobility challenged communities
- 4.1 Establish a Regional Mobility Data Platform
- 4.2 Establish data sharing requirements for private sector roadway uses
- 5.1 Incentivize TNCs to use electric vehicles
- 5.3 Establish an aggressive, agreed-upon goal to transition government fleets to zero-emission vehicles
- 6.2 Minimize zero occupancy and encourage high shared use of driverless automated vehicles
- 7.1 Expand DRCOG funding earmark for a mobility technology innovation fund
Establish a mobility technology advisory committee

**THEME**
Funding & Finance
Infrastructure Governance

**TACTIC INITIATOR**
CDOT, DRCOG, RTD, Denver Metro Chamber

**ADDITIONAL PARTICIPANTS**
New mobility entity

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Adopt a regional compact defining common standards for micromobility services

**THEME**
Safety
Infrastructure Governance

**TACTIC INITIATOR**
DRCOG

**ADDITIONAL PARTICIPANTS**
Cities, counties
Establish a regional mobility data platform

**THEME**
Human Experience
Infrastructure Governance

**TACTIC INITIATOR**
CDOT, DRCOG, RTD, Denver Metro Chamber

**ADDITIONAL PARTICIPANTS**
Cities, counties, National Renewable Energy Laboratory, universities, new mobility entity, Colorado Office of Information Technology

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**Mobility Gridlock**
vs.

**Mobility Bold**
WHICH WILL BE OUR MOBILITY CHOICE?

**Mobility GRIDLOCK**
- Gridlock & Disarray
- Economic Barriers
- Limited Access
- Congestion

**Mobility BOLD**
- Economic Opportunity
- Accessibility for All
- Happier Commute
- Options & Choice

Mile High Travelers
Meet our Mile High Travelers

**Maria** is a 22-year-old mother who lives in Aurora. She is a student at Metro State University who also works part time at a restaurant in downtown Denver. Her pride and joy is her 4-year-old son Gabriel, who is taken care of by Maria’s mother each day.

**Tonya** is a 34-year-old Colorado native who lives in Boulder and is married with two young children.

**Jordan** is a 29-year-old who recently moved to Denver from the Bay Area. Central Denver is not affordable for him, so he bought a home in Parker, which also provides him a yard for his dog.

**Carl** is middle-aged and married with a teenage son. His biggest concern is a recent health issue that is beginning to limit his mobility and forcing him to walk with a cane.

**Dan** is a 75-year-old semi-retired professor who is married and lives in a South Denver neighborhood.

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**Mobility Gridlock**

### Meet Maria

Maria is a 22-year-old mother who lives in Aurora. She is a student at Metro State University who also works part time at a restaurant in downtown Denver. Her pride and joy is her 4-year-old son Gabriel, who is taken care of by Maria’s mother each day.

**Daily Travel**

Aurora > Five Points > Metro State > Downtown Denver > Five Points > Home

Getting back and forth between my home, school, job and mother’s home takes a long time each day. My car is becoming a money pit, always needing repairs I can’t afford.”
BENEFITS
The microtransit service is great for getting around downtown with more direct options which saves me time.

The time savings in my commute allow me to work an extra hour at the restaurant or spend more time with my son.

Sometimes my mom takes my son Gabriel downtown to ride the driverless microshuttle as an afternoon adventure. He loves it!

The Mobility as a Service program is more affordable than I thought and it has given me the flexibility to live my life!
Level Of Investment & Coordination

Thank You
Questions?

www.mobilitychoiceblueprintstudy.com
If you want to go fast, go alone.
If you want to go far, go together.

Then and now

1950s
post-war growth
transportation investments
Then and now: A legacy of partnership

1950s: regional collaboration among Adams, Arapahoe, Boulder and Jefferson counties

Then and now

Today

economic and population growth investments in transportation
Then and now: A legacy of partnership

Today: regional collaboration among 58 cities, counties, towns and partner agencies

Partnership extends to the regional and federal levels
Establish mobility technology advisory committee

**THEME**
Funding & Finance
Infrastructure Governance

**TACTIC INITIATOR**
DRCOG, CDOT, RTD, Denver Metro Chamber

**ADDITIONAL PARTICIPANTS**
New mobility entity
Connected cooperation.
SUBJECT
Staff-proposed amendments to *Metro Vision* to be included in public review materials.

PROPOSED ACTION/RECOMMENDATIONS
No action requested. This item is for information.

ACTION BY OTHERS
N/A

SUMMARY
Background
DRCOG issued a call for proposed amendments to the *2040 Metro Vision Regional Transportation Plan* and *Metro Vision* in October 2018, with anticipated adoption of the amended plans in early 2019. Prior to acting to amend *Metro Vision*, DRCOG will make the staff- and sponsor-proposed amendments available for public review and comment. A public hearing on the proposed amendments will be held prior to Board consideration.

Staff-proposed amendments
The following amendments to *Metro Vision* performance measures and targets are proposed by DRCOG staff:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Where are we today? (Baseline)</th>
<th>Where do we want to be? (2040 Target)</th>
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<tbody>
<tr>
<td>Protected open space</td>
<td>1,841 1,724 square miles (2014)</td>
<td>2,100 1,980 square miles</td>
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<tr>
<td>Share of the region’s housing and employment in high-risk hazard areas</td>
<td>Housing: 1.2 1.1 percent (2014)</td>
<td>Less than 1.0 0.9 percent</td>
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<td>Daily person delay per capita</td>
<td>6 minutes (2014 2017)</td>
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The adopted *Metro Vision* plan notes the importance of a dynamic and flexible approach to performance management, including revisiting measures and targets as new data and approaches become available. The rationale behind each staff proposal is detailed below.

**Protected open space**
In 2018, the Colorado State Land Board reviewed DRCOG’s parks, recreation and open space inventory to confirm that it accurately reflects the status of their holdings. It was determined that while some holdings are permanently protected, others are available for lease and purchase as uses other than open space. Staff updated the regional inventory accordingly, reducing the amount of protected open space in the previously established baseline (2014). As a result of this adjustment to the measure baseline
(reduction of more than 100 square miles of protected open space), staff recommends a corresponding adjustment to the future target established in Metro Vision.

**Housing in high-risk hazard areas**

Staff continues to make improvements to DRCOG’s Master Housing Dataset. This dataset is used to identify and locate housing units throughout the region, including those within high-risk hazard areas. Since completing the original baseline analysis for this measure, staff has identified improvements to the hazard area boundaries used in the analysis. As a result, staff proposes adjusting both the baseline and target for this measure.

**Person delay**

Historically, DRCOG measured delay by comparing roadway volumes with their capacity. DRCOG staff continues to use this delay formula methodology for principal arterials. Beginning in with the 2016 congestion report, DRCOG began to calculate freeway delay using INRIX speed data instead of this volume-to-capacity calculation, resulting in a lower person delay observation.

The original target rationale was to beat the 2040 forecast – future congestion will be “less bad” than forecasted. Since DRCOG’s 2017 congestion report forecasts delay to be 9 minutes per day per capita, staff is also proposing a revised target consistent with the original rationale – the region will experience less delay than forecasted.

**Today’s discussion on staff-proposed amendments to Metro Vision**

Directors will discuss and provide guidance to staff on the staff-proposed adjustments to Metro Vision performance measures (baseline observations and targets). Today’s discussion will shape the performance measure amendments that will be included in the public review materials.

### PREVIOUS DISCUSSIONS/ACTIONS

N/A

### PROPOSED MOTION

N/A

### ATTACHMENTS

1. Staff presentation
2. *Metro Vision*

### ADDITIONAL INFORMATION

If you need additional information, please contact Douglas W. Rex, Executive Director, at 303-480-6701 or drex@drcog.org; or Brad Calvert, Regional Planning and Development Director at 303-480-6839 or bcalvert@drcog.org; or Andy Taylor, Acting Planning Supervisor at 303-480-5636 or ataylor@drcog.org.
Metro Vision Amendments

Staff proposals to be included in public review materials

Presented by:
Andy Taylor
March 6, 2019

Metro Vision

- Unanimously adopted by DRCOG Board of Directors January 18, 2017
- Previous versions date back to 1997
- Longstanding Metro Vision principle: DRCOG Board makes minor revisions to the plan annually and major updates as needed
Proposed *Metro Vision* amendments

Fall in two categories this amendment cycle

Performance measures

- **Staff-proposed:**
  - Update baseline and 2040 target for 3 measures

Urban centers

- **Member submitted:**
  - 7 proposed boundary adjustments
  - 3 new proposals

Focus of today’s discussion

January Board Informational Item

Updating *Metro Vision* performance measures

“DRCOG may update and refine these measures as needed, should improved methods and datasets become available.”
### Protected open space

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Daily person delay

- New delay data available
- New method to use new delay data now used in annual congestion report

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Today's discussion

Are you comfortable including the staff-proposed amendments in the public review materials?

Metro Vision
Amendments

Staff proposals to be included in public review materials