

AGENDA

TRANSPORTATION ADVISORY COMMITTEE

Monday, May 22, 2017

1:30 p.m.

1290 Broadway

Independence Pass Board Room – 1st Floor, west side

1. Call to Order
2. Public Comment
3. March 27, 2017 TAC Meeting Summary
(Attachment A)

INFORMATIONAL ITEMS

4. Briefing on the 2018-2019 Unified Planning Work Program (UPWP).
(Attachment B) Todd Cottrell
5. Kickoff discussion of the 2045 Metro Vision Regional Transportation Plan (2045 MVRTP).
(Attachment C) Jacob Riger
6. Briefing on Planning and Environmental Linkage (PEL) study guidance.
(Attachment D) Steve Cook

ADMINISTRATIVE ITEMS

7. Member Comment/Other Matters
8. Next Meeting – June 26, 2017
9. Adjournment

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) 480-6744.



ATTACHMENT A

MEETING SUMMARY TRANSPORTATION ADVISORY COMMITTEE Monday, March 27, 2017

MEMBERS (OR VOTING ALTERNATES) PRESENT:

Jeanne Shreve	Adams County
Kimberly Dall	Adams County-City of Brighton
Dave Chambers	Arapahoe County-City of Aurora
Travis Greiman	Arapahoe County-City of Centennial
George Gerstle	Boulder County
Tom Schomer	Broomfield, City and County
Steve Klausing	Business
Richard Zamora (Alternate)	Colorado Dept. of Transportation, Reg. 1
Janice Finch (Alternate)	Denver, City and County
Douglas Rex	Denver Regional Council of Governments
Art Griffith	Douglas County
Chris Hudson	Douglas County-City of Parker
Rick Pilgrim	Environment
Bob Manwaring (Chair)	Jefferson County-City of Arvada
Steve Durian	Jefferson County
Bert Weaver	Non MPO Area
Hank Braaksma	Non RTD Transit
Ken Lloyd	Regional Air Quality Council
Sylvia Labrucherie	Senior
Ted Heyd	TDM/Non-motor
Janet Lundquist (Alternate)	Weld County

OTHERS PRESENT:

Kent Moorman (Alternate)	Adams County-City of Thornton
Bryan Weimer (Alternate)	Arapahoe County
Flo Raitano (Alternate)	Denver Regional Council of Governments
Aaron Bustow (Ex-Officio)	Federal Highway Administration
Larry Squires (Ex-Officio)	Federal Transit Administration
Debra Baskett (Alternate)	Jefferson County-City of Westminster
Dave Baskett (Alternate)	Jefferson County-City of Lakewood
Aylene McCallum	TDM/Non-motor

Public: JoAnn Mattson, Keith Stefanik, CDOT Region 1; Hannah Polow, David Evans & Associates; Faye Estes, Douglas County; Steve Stanish, Town of Frederick; Josie Warren, City of Greenwood Village; Kate Williams, RTD

DRCOG staff: Jacob Riger, Todd Cottrell, Steve Cook, Mark Northrop, Matthew Helfant, Robert Spotts, Andy Taylor, Casey Collins

Call to Order

Chair Bob Manwaring called the meeting to order at 1:33 p.m.

Public Comments

There were no public comments.

Summary of February 27, 2017 Meeting

The meeting summary was accepted.

ACTION ITEMS

Discussion on an amendment to the 2016-2021 Transportation Improvement Program (TIP)

Todd Cottrell presented the proposed amendment:

Sponsor	TIP ID	Proposed Amendment
CDOT Region 1	2016-003	Central 70 Add SB 228 and Bonds/Loans funding and reduce FASTER Bridge funding to reflect current estimate. Overall funding remains unchanged.

George Gerstle MOVED to recommend to the Regional Transportation Committee approval of the amendment to the *2016-2020 Transportation Improvement Program* (TIP). The motion was seconded and passed, with one recusal (Rick Pilgrim).

Discussion on the 2040 Metro Vision Regional Transportation Plan (2040 MVRTP) and associated air quality conformity documents.

Jacob Riger presented the Action Draft of the 2040 MVRTP and the associated air quality documents. He noted a public hearing was held on March 15, 2017 and a summary of testimony received and staff responses was provided in the agenda. Minor changes from the public hearing draft were made as described in Attachment 4. Board adoption is expected in April.

Art Griffith MOVED to recommend to the Regional Transportation Committee approval of the *2040 Metro Vision Regional Transportation Plan* (2040 MVRTP) and associated air quality conformity documents. The motion was seconded and passed unanimously.

Doug Rex noted that planning for the 2045 MVRTP has already started.

Discussion on the 2018-2021 Transportation Improvement Program (TIP) and associated air quality conformity documents.

Todd Cottrell presented the Action Draft of the 2018-2021 TIP document and the associated air quality conformity documents. He noted a public hearing was held on March 15, 2017 and a summary of testimony received and staff responses was provided in the agenda. No changes were made from the public hearing draft version. Board adoption is expected in April.

George Gerstle MOVED to recommend to the Regional Transportation Committee approval of the *2018-2021 Transportation Improvement Program* (TIP) and associated air quality determination documents. The motion was seconded and passed unanimously.

INFORMATIONAL ITEMS

Briefing on the 2018-2019 Unified Planning Work Program (UPWP)

Todd Cottrell presented a briefing on developing the next UPWP, a federally-required document outlining the planning tasks/activities to be conducted in the region with federal transportation planning funds. Staff is outlining major activities to include in the 2018-2019 UPWP for the period from October 1, 2017 through September 30, 2019. He asked the committee for suggestions on tasks/activities to include. A draft 2018-2019 UPWP will be brought to the committee over the next several months, with anticipated Board approval in July 2017.

ADMINISTRATIVE ITEMS

Member Comments/Other Matters

Kathleen Bracke was announced as the new Boulder alternate on TAC, replacing Mike Sweeney.

Matthew Helfant said staff will be emailing a Title VI survey to the committee and encouraged participation in the voluntary and anonymous survey to help DRCOG meet federal requirements.

Doug Rex updated the committee that the Board provided direction at its February meeting for the TIP Review Work Group to continue their work to further develop the Dual Model concept for the 2020-2023 TIP Policy document. The Board suggested the TIP Review Work Group transition to being the TIP Policy Work Group. The TAC will receive periodic updates of the Work Group findings. The TIP Policy Work Group meetings are to be held at 2:30, or immediately following the TAC meeting.

The meeting was adjourned at 2:04 p.m. The next meeting is scheduled for April 24, 2017.

ATTACHMENT B

To: Chair and Members of the Transportation Advisory Committee

From: Todd Cottrell, Senior Transportation Planner
303 480-6737 or tcottrell@drcog.org

Meeting Date	Agenda Category	Agenda Item #
May 22, 2017	Information	4

SUBJECT

Discussion of tasks for the new *FY2018-FY2019 Unified Planning Work Program (UPWP)*.

PROPOSED ACTION/RECOMMENDATIONS

No action requested. This item is an informational briefing.

ACTION BY OTHERS

N/A

SUMMARY

At the March TAC meeting, DRCOG staff introduced development of the new FY2018-FY2019 UPWP covering activities to be conducted from October 1, 2017 through September 30, 2019. As a reminder, the UPWP is a federally-required document that outlines the planning tasks and activities to be conducted within the region with federal transportation planning funds. The document also lists other major planning activities performed by local governments.

Staff has developed draft activities and tasks to be conducted in the new UPWP (Attachment 1). Staff asks for input at the May TAC meeting, so that the full draft FY2018-FY2019 UPWP document can be brought to TAC in June for review and action.

PREVIOUS DISCUSSIONS/ACTIONS

[March 27, 2017](#)

PROPOSED MOTION

N/A

ATTACHMENTS

1. Preliminary Draft of FY2018-2019 UPWP Activities
Link to current [FY2016-FY2017 UPWP](#)

ADDITIONAL INFORMATION

If you need additional information, please contact Todd Cottrell, Senior Transportation Planner, at tcottrell@drcog.org or (303) 480-6737.

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

IV. FEDERAL URBAN TRANSPORTATION PLANNING PROGRAM ACTIVITY DESCRIPTIONS

DRCOG may acquire consultant services in completing planning activities in this UPWP.

OBJECTIVE 1.0 PROGRAM ADMINISTRATION AND COORDINATION

Activity 1.1 Direct Program Management

Purpose: To provide for the effective administration of the DRCOG transportation planning process including management of DRCOG planning staff and grants.

Tasks:

- Supervise DRCOG personnel assigned MPO planning work. Monitor staff work on the UPWP and evaluate progress
- Implement new internal strategic management and performance measurement system
- Prepare and maintain adequate records of correspondence, purchasing, and contracts
- Routine personnel, office, and administrative activities

Participants: DRCOG

Activity 1.2 Maintaining the Metropolitan Transportation Planning Process

Purpose: To ensure the transportation planning process is conducted in compliance with applicable federal and state laws.

Tasks:

- Manage and administer the transportation planning process, including the ~~FY2016~~FY2018-2017-2019 Unified Planning Work Program
- Support and participate in DRCOG's transportation policy, planning, and programming committees with agendas, meeting logistics, maintenance of membership, and miscellaneous communications
- Facilitate the planning and implementation of transportation projects and services, while strengthening the working relationships among the MPO partner agencies
- ~~Continue to h~~Host the Agency Coordination Team (ACT) and Interagency Consultation Group (ICG), and participate in CDOT and RTD quarterly meetings in order to facilitate communication among planning partners
- Incorporate guidance of state and federal agencies on the regional transportation planning process
- Participate on procedural efforts such as the definition of the functional highway classification system, national highway system, and planning boundaries

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

- ~~Address items that were contained within the 2016 joint FHWA and FTA Quadrennial Review of the MPO Planning Process~~
- ~~_____~~

Deliverables:

~~2016~~2018

- ~~Complete update to The Prospectus, *Transportation Planning in the Denver Region*~~
- ~~Complete materials for the joint FHWA and FTA Quadrennial Review of the MPO planning process, which will be conducted in spring 2016. The review will include a desk audit and on-site interviews. The certification review will evaluate all areas of the MPO's compliance with federal laws and guidelines~~
- Complete FAST Act compliant Metropolitan Planning Agreement between DRCOG, CDOT, and RTD
- Prepare ~~FY2015~~-FY2017 UPWP end-of-year report
- Prepare ~~FY2016~~-FY2018 UPWP mid-year report

20172019

- Prepare ~~FY2016~~-FY2018 UPWP end-of-year report
- Prepare ~~FY2017~~-FY2019 UPWP mid-year report
- Develop the ~~FY2018~~-FY2020-~~FY2019~~-FY2021 UPWP

Participants: DRCOG (lead), CDOT, RTD, APCD, RAQC

Activity 1.3 Interregional Planning Coordination

Purpose: To maintain the working relationship and coordination of planning efforts between DRCOG and its neighbors that address interregional transportation issues and opportunities.

Tasks:

- Maintain communication and exchange information with other regional stakeholders, including neighboring counties and the state on transportation, land use, and economic development issues
- Coordinate with neighboring counties, MPOs, and TPRs on planning for transportation facilities and services adjacent to mutual border; attend Statewide MPO Committee meetings
- Monitor, participate, and assist with statewide or interregional transportation planning activities, corridor studies, NEPA studies, PELs, and funding opportunities
- Participate in and/or monitor the state transportation-related enterprises and committees including: High-Performance Transportation Enterprise, Statewide Bridge Enterprise, CDOT Transit and Rail Advisory Committee, CDOT Efficiency and Accountability Committee, the State Transportation Advisory Committee (STAC), and others as appropriate

Participants: DRCOG (lead), CDOT, RTD

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

Activity 1.4 DRCOG Staff Training and Development

Purpose: To provide DRCOG staff with the necessary training and development to perform their jobs efficiently and effectively.

Tasks:

- Provide training in-house and offsite for DRCOG staff
- Attend webinars
- Attend in-state and out-of-state conferences

Participants: DRCOG

OBJECTIVE 2.0 PLANNING OUTREACH, EDUCATION, AND TRAINING

Activity 2.1 Public Engagement and Outreach

Purpose: To inform stakeholders and the general public about DRCOG's plan and program development and implementation processes, and to provide an opportunity for them to participate in planning and policy decisions by conveying their opinions to DRCOG staff and Board members. ~~the objectives, activities, and progress of DRCOG plan and program development and to provide an opportunity for them to participate in planning and policy decisions by conveying their opinions to DRCOG staff and Board members.~~

Tasks:

- Conduct public forums, community meetings, and workshops regarding major planning products identified in the UPWP
- Hold public hearings and facilitate public comment periods associated with MVRTP and Metro Vision Plan amendments, FasTracks reviews, new TIPs, and other topics; monitor and compile comments and input received
- Inform the public of adopted documents, program amendments, and opportunities to offer comments via DRCOG's website
- Give presentations to community, advocacy, and other interest groups, as requested
- Create and maintain various DRCOG Web pages ~~(e.g. Metro Vision 2040)~~
- Continue to research and integrate and/or implement interactive internet-based technologies and other methods to support the public participation process, as necessary and appropriate
- ~~As requested, conduct DRCOG-led short courses on Metro Vision and the transportation planning process~~

Deliverables:

~~2016~~2018

- Summaries of public meetings, hearings, and workshops
- ~~Prepare report on "Status and Impacts of DRCOG Transportation Planning and Programming with Environmental Justice"~~

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

~~2017~~2019

- [Summaries of public meetings, hearings and workshops](#)
- ~~Prepare an update to “Public Involvement in Regional Transportation Planning”~~

Participants: DRCOG (lead), CDOT, RTD, and local governments

Activity 2.2 Local Government and Stakeholder Education, Outreach, and Support

Purpose: To provide local governments and other stakeholders education, outreach, and support.

Tasks:

- Educate local governments and other interested parties about the DRCOG transportation planning process, federal regulations, and associated documents
- Meet with local governments about their transportation planning issues and needs
- Provide support for communities as they prepare transportation [and other](#) plans and studies, including reviewing consultant scopes of service, ensuring final plan consistency with ~~the~~ Metro Vision ~~Plan~~ and [the](#) MVRTP, ~~and similar assistance~~
- Develop and distribute factsheets, reports, white papers, brochures, and other collateral materials needed to communicate critical regional issues to the Board, regional stakeholders, and the public
- Work collaboratively across jurisdictions, agencies, and organizations to conduct stakeholder outreach and engagement processes to better inform and involve communities in planning and decisions that impact them
- Facilitate/host transportation-related webinars and other educational events
- ~~Hold~~ workshops and outreach opportunities for the DRVR site
- [Maintain and update DRCOG’s plans and documents addressing public involvement, environmental justice, and Title VI/limited English proficiency](#)

Participants: DRCOG (lead), CDOT, RTD, and local governments

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

OBJECTIVE 3.0 LONG RANGE PLANNING

Activity 3.1 Metro Vision Plan – Collaboration and Implementation Assistance

Purpose: To work with local and regional partners to continuously evaluate and implement Metro Vision.

Tasks:

- ~~Provide decision-support tools and information-sharing opportunities to local jurisdictions, regional partners, and the public~~
- ~~Routinely analyze progress on Metro Vision with an emphasis on evaluating forces shaping trends and potential adjustments to regional strategies, actions, and initiatives~~
- ~~Explore and document connections between key social, economic, and environmental issues and the physical development of the region~~
- ~~Provide individualized technical assistance to communities, through both staff time and consultant assistance for the purposes of implementing Metro Vision~~
- ~~Document and distribute best practices related to achieving Metro Vision outcomes and objectives~~
- ~~Survey local governments to understand local and regional planning challenges, opportunities, and needs~~
- ~~Conduct research to understand attitudes and preferences of residents, businesses, and employees that may shape location decisions and other behaviors~~
- ~~Monitor and assess private development and public policy and investment activity adjacent to transit stations—as needed create standardized ways for partners to collect and disseminate data~~
- ~~Use new tools and technology to support regional and local scenario analysis, including impacts of alternative land use and development patterns~~
- ~~Support and collaborate with local, sub-regional, and regional partners in efforts to create transit-oriented communities and corridors~~
- ~~Engage in a continuous dialogue with local governments and the private development community to understand the development and implementation challenges in designated urban centers~~
- ~~Establish and convene topical working groups (e.g., urban centers, first- and final-mile)~~
- ~~Participate on steering committees, advisory groups, leadership teams, etc. for aligned organizations and initiatives~~
- ~~Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes and objectives~~
- ~~Facilitate communication and project implementation between federal, state, regional, and local agencies~~
- ~~Develop and apply Metro Vision plan consistency framework for communities that voluntarily refer local plans and regulations for regional review~~

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Preliminary Draft of FY2018-2019 UPWP Activities

- ~~• Coordinate with local governments on member-sponsored amendments (e.g., new urban centers, other policy amendments)~~
- Develop and provide decision-support tools to local jurisdictions, regional partners, and the public
- Provide individualized technical assistance to communities for the purposes of implementing Metro Vision
- Use new tools and technology to support regional and local scenario analysis, including impacts of alternative land use and development patterns
- Establish and convene topical working groups and forums, as needed (e.g., urban centers, first- and final-mile, small or rural communities, etc)
- Participate on steering committees, advisory groups, leadership teams, etc. for aligned organizations and initiatives
- Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes
- Develop and apply Metro Vision plan consistency framework for communities that voluntarily refer local plans and regulations for regional review
- Coordinate with local governments on member-sponsored plan amendments (e.g., new urban centers, other policy amendments)
- Collaborate with communities using DRCOG's Boomer Bond assessment tool to help address impacts of region's rapidly increasing aging population.
- Work with local governments to develop programs or update current initiatives that improve the coordinated efforts to identify and designate areas for new urban development.

Deliverables:

~~2016:~~ 2018:

- ~~• Complete the Metro Vision Plan update~~
- ~~• Who is TOD survey and report~~
- ~~• TOD Pipeline Mapping Application~~
- ~~• 2016 Local Government Survey — Summary Report~~
- Urban center boundary review with member governments
- Amendments (if any) to Metro Vision
- Evaluation of coordinated growth management initiative(s)

~~2017~~2019:

- ~~• Metro Vision performance measurement report~~
- Amendments (if any) to Metro Vision
- Preliminary scope for Metro Vision 2020 assessment (to be completed in 2020)

Participants: DRCOG (lead), local governments, CDOT, RTD

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Preliminary Draft of FY2018-2019 UPWP Activities

Activity 3.2 Metro Vision Plan – Research and Performance Management

Purpose: To research and share data and information that may illustrate progress toward plan outcomes.

- Routinely analyze progress on Metro Vision outcomes, including documentation of successes and ongoing challenges
- Provide data, tools, case studies, and information that support and document local and region initiatives that contribute to Metro Vision outcomes and objectives (e.g. connecting people to open space, preparing for and minimizing the impact of natural disasters, increasing access to opportunity, and diversifying the region’s housing stock, etc.)
- Survey local governments, the public, and other stakeholders to understand local and regional planning challenges, opportunities, and needs
- Develop and provide information on key economic trends influencing the region’s forecasted growth
- Develop and provide data-driven stories and infographics that illustrate the state of the region in terms of economics, transportation and demographics.
- Design, build, maintain and enhance applications (i.e. Regional Equity Atlas) that enable internal and external users to explore and consume regional data related to Metro Vision outcomes, objectives and initiatives.

Deliverables:

2018

- Metro Vision performance measurement report
- Data-driven visualizations for Metro Vision performance measures

2019

- Metro Vision performance measurement report
- Data-driven visualizations for Metro Vision performance measures
- Regional Equity Atlas – extensive update (smaller updates occur annually)

Activity 3.23 Metro Vision Regional Transportation Plan

Purpose: To maintain the 2040 Metro Vision Regional Transportation Plan (2040 MVRTP), ~~including the 2040 Fiscally Constrained Regional Transportation Plan (2040 FC-RTP)~~ and prepare the 2045 MVRTP.

Tasks:

- Solicit and process (if needed) amendments to the 2040 MVRTP ~~and 2040 FC-RTP twice~~ annually or as needed; assist local governments and other project sponsors with plan amendment questions and procedures
- Coordinate with CDOT to prepare a freight and goods movement report for the DRCOG region derived from CDOT’s Statewide Multimodal Freight Plan

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Preliminary Draft of FY2018-2019 UPWP Activities

- Incorporate the DRCOG region freight report and Active Transportation Plan into the 2040 MVRTP through amendment and/or into the 2045 MVRTP
- Participate and provide technical support in regional NEPA/environmental and Planning and Environment Linkages (PEL) efforts and/or similar regional planning efforts, as necessary; implement or incorporate into planning documents as appropriate
- Work with local governments, CDOT, RTD, and other stakeholders to update the Metro Vision transportation system, including the Regional Roadway System and unfunded/vision projects
- Collaborate with CDOT, RTD, and other stakeholders to develop a common set of revenue assumptions, project costs, and other information needed to prepare the 2045 MVRTP financial plan
- ~~Participate in regional and statewide efforts to consider freight movement in planning activities~~
- ~~Incorporate actions or products that respond to state or federal transportation legislation guidance on regional transportation plans (e.g., FAST Act)~~
- Monitor federal, state and ~~/or regional~~ other efforts to increase transportation funding, and incorporate into scenario analysis for the 2045 MVRTP financial plan for transportation and assist, as necessary
- ~~Conduct process for developing a Regional Freight Movement Study, working with CDOT, local governments, railroads, motor carriers, and other stakeholders~~
- Solicit, evaluate, score, rank, and prioritize regionally significant projects desiring federal or state funding
- Prepare the 2045 MVRTP financial plan
- Conduct transportation and air quality modeling for the draft fiscally constrained RTP
- Prepare and adopt the final 2045 MVRTP

Deliverables:

~~2016~~2018

- Amendments (if any) to the 2040 MVRTP
- Complete the DRCOG region freight and goods movement report
- ~~Complete the update of the Metro Vision Regional Transportation Plan~~
- ~~Initiate Regional Freight Movement Study~~

~~2017~~2019

- Complete and adopt the 2045 MVRTP
- ~~Complete Regional Freight Movement Study~~

Participants: DRCOG (lead), CDOT, RTD and local governments

Activity 3.34 Air Quality Conformity

Purpose: To complete air quality conformity determinations associated with transportation facilities identified in the TIP and the 2040 FC-RTP (a finding of conformity is a federal requirement and a prerequisite to the adoption or amendment of the TIP or RTP).

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Preliminary Draft of FY2018-2019 UPWP Activities

Tasks:

- Monitor federal and state legislation regarding new standards, requirements, or procedures impacting transportation. Assist air quality agencies (i.e., APCD, RAQC), as needed
- Monitor the readings and trends of criteria pollutants in relation to established attainment standards
- Host the Interagency Consultation Group (ICG) in order to facilitate better communication among planning partners and make air quality process decisions
- Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC)
- Prepare highway and transit networks (DRCOG), update planning assumptions, perform air quality conformity model runs (DRCOG and APCD), and review highway networks (CDOT) and transit networks (RTD) associated with amendments of the 2040 MVRTTP
- Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments to the MVRTTP
- Participate in the development of the new ozone State Implementation Plan (SIP)
- Continue with activities associated with the Regional Haze SIP

Deliverables:

~~2016 and 2017~~ 2018 and 2019

- ~~Bia~~ Annual Conformity Determination Reports

Participants: DRCOG (lead), APCD, RAQC, AQCC, RTD, CDOT

Activity 3.45 Pedestrian and Bicycle Planning

Purpose: To monitor efforts, provide assistance, and prepare products that support pedestrian and bicycle transportation activities.

Tasks:

- Monitor progress on TIP-funded and other bicycle and pedestrian projects
- Maintain facility inventory and mapping products for bicycle facilities in the Denver region. Monitor new sources, methodologies, and applications for providing information (Note: Enhancing the mapping product and identifying process efficiencies will be a focus in the AT Plan)
- Continue regional active transportation meetings/summits to facilitate communication and provide educational opportunities
- Assemble Active Transportation Plan Work Group and coordinate monthly meetings
- Respond to requests for assistance regarding local pedestrian and bicycle planning topics and projects

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Preliminary Draft of FY2018-2019 UPWP Activities

- Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region
- Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested
- Maintain a performance tracking report on TIP-funded bicycle and pedestrian projects
- Participate in the development of TIP Policy related to AT projects in the region, including ~~the attending or contributing to as necessary,~~ TIP Policy Work Group meetings

Deliverables:

~~2016~~2018

- Develop the DRCOG Active Transportation Plan (will be completed approximately ~~March/April~~Spring 2018)
- Implementation of a regional bicycle use count program (pending feasibility study recommendations)
- ~~Initiate development of the DRCOG Active Transportation Plan (Bicycling and Walking)~~
- ~~Conduct a study to determine the feasibility of developing a regional bicycle use count program~~

~~2017~~2019

- ~~Complete the DRCOG Active Transportation Plan~~
- ~~Develop of a regional bicycle use count program (pending feasibility study recommendations)~~

Participants: DRCOG (lead), RTD, CDOT, local governments

Activity 3.5 ~~Urban Growth Boundary/Area (UGB/A)~~

Purpose: ~~To maintain the region's Urban Growth Boundary/Area.~~

Tasks:

- ~~Administer the UGB/A allocation (expansion) process~~
- ~~Work with local governments to monitor the extent of current and future urban development patterns~~
- ~~Maintain Development Type and UGB/A status for area jurisdictions~~
- ~~Administer emergency requests for new UGB/A~~
- ~~Track municipal annexations to determine impact on UGB/A in unincorporated areas~~
- ~~Monitor the amount of land consumed by development outside the UGB/A~~
- ~~Coordinate with local communities and infrastructure service providers to identify urban reserve areas that should be conserved for future growth, as requested~~

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Preliminary Draft of FY2018-2019 UPWP Activities

Deliverables:

2016

- ~~Growth and Development Supplement Update—Development Type Mapping Classification Amendments~~

2017

- ~~UGB/A Regional Allocation~~

Participants: ~~DRCOG (lead), local governments~~

OBJECTIVE 4.0 SHORT RANGE PLANNING

Activity 4.1 Transportation Improvement Program

Purpose: To maintain and monitor the Transportation Improvement Program (TIP) by identifying projects to be funded with federal resources and other regionally significant projects.

Tasks:

- Prepare amendments and monthly administrative modifications to the ~~2016~~2018-2021 ~~T~~ransportation Improvement Program and the subsequent 2020-2023 TIP, and maintain ~~the an~~ up-to-date web-amended version of the ~~T~~ransportation Improvement Program Tables document on ~~the~~ DRCOG's website and in the Transportation Regional Improvement Projects and Survey (TRIPS) database~~webpage~~, as necessary
- Facilitate the 2020-2023 TIP Policy Work Group and advise DRCOG committees and the Board, leading to a 2020-2023 TIP Policy document
- Lead and coordinate the Regional Share project selection process Call for Projects for the 2020-2023 TIP
- Monitor and assist in the Subregional Share Forums and subsequent Call for Projects and project selection process for the 2020-2023 TIP
- Prepare a 2020-2023 TIP document for committee review and Board adoption by March 2019
- Conduct appropriate project programming activities when additional revenues are made available or decreased
- Provide financial and project coordination assistance to implementing agencies and project sponsors
- ~~Provide financial and project coordination~~
- Conduct activities with CDOT and local governments to continuously refine the IGA and contracting processes
- ~~Monitor the progress~~ status and results of TIP projects
- ~~;~~ uUpdate TRIPS project database when applicable
- ~~Conduct activities associated with policy development for the new 2020-2025 TIP and call for projects~~

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

- ~~• Facilitate TIP Work Group to advise the DRCOG Board of Directors on specific 2020-2025 TIP policy topics~~
- ~~• Coordinate with CDOT on Annual “Rolling” STIP/TIP updates related to CDOT’s new cash management process~~

Deliverables:

~~2016~~2018

- Prepare FY ~~2015-2017~~ Projects Delayed Report
- Prepare FY ~~2015-2017~~ Annual Listing of Obligated Projects
- ~~Develop white paper with TIP Work Group recommendations to provide to Board~~Adopt 2020-2023 TIP Policy document

~~2017~~2019

- Prepare FY ~~2016-2018~~ Projects Delayed Report
- ~~• Prepare FY 2016-2018 Annual Listing of Obligated Projects~~
- Adopt 2020-2023 TIP

Participants: DRCOG (lead), RTD, CDOT, local governments

-Activity 4.2 Performance Measure Reporting

Purpose: To update, compile, and report on regional performance measures from Metro Vision and the regional transportation planning processes.

Tasks:

- Compile data associated with various regional performance measures
- Work with CDOT, RTD, FHWA, and FTA to set targets and develop baselines for each FAST Act-required performance-based planning measure
- Prepare performance measure reports, and/or assisting CDOT with preparing performance measure reports, for FAST Act performance measures
- Maintain performance tracking reports on TIP-funded projects
- Prepare CMAQ performance plan of TIP-funded projects
- ~~• Monitor FAST Act rulemaking and CDOT actions related to measures and targets~~
- ~~• Define applicable measures and targets through the MPO process~~
- Develop and distribute information products that support the monitoring and evaluation of Metro Vision performance measures

Deliverables:

~~2016~~2018

- Metro Vision performance measurement report
- ~~• Document FAST Act applicable performance measures and targets~~

~~2017~~2019

- Metro Vision performance measurement report
- Fast Act performance measures report

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

- ~~• Metro Vision performance measurement report~~

Participants: DRCOG ([lead](#)), [CDOT](#), [RTD](#)

OBJECTIVE 5.0 TRANSPORTATION OPERATIONS

Activity 5.1 DRCOG Congestion Management Process

Purpose: To administer the region's multimodal and multi-approach congestion management process through the DRCOG Congestion Mitigation Program that includes transportation operations, travel demand management (TDM), and intelligent transportation systems (ITS).

Tasks:

- Update the Congestion Mitigation Program (CMP) databases annually
- Update formulas and factors for delay calculations, as needed. [Evaluate new data sources and methodologies \(e.g., INRIX, HERE\)](#)
- Prepare public information and outreach documents and presentations, including summaries of CMP data
- Maintain and update CMP pages on the DRCOG website
- Monitor federal (FAST Act) and statewide congestion measure [rules, measures, targets, and procedures. Compile required calculations as needed s, methodologies, and analytical tools](#)
- ~~• Work with CDOT on operational evaluations of key bottleneck locations~~
- ~~• Monitor research on impacts of tolling and pricing mechanisms~~
- [Maintain performance tracking report on TIP-funded roadway projects](#)
- [Review CMP per recommendation of 2016 Federal Planning Certification Review](#)

Deliverables:

~~2016~~[2018](#)

- [Prepare white paper \(CMP Status Report\) summarizing status and results of congestion mitigation projects funded in the TIP from FY 2012 through FY 2017 \(Recommendation of 2016 Federal Planning Certification Review\)](#)
- Prepare ~~2015~~ Annual Report of Traffic Congestion in the Denver Region

~~2017~~[2019](#)

- Prepare ~~2016~~ Annual Report of Traffic Congestion in the Denver Region

Participants: DRCOG (lead), CDOT, RTD, TMOs, public highway authorities

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

Activity 5.2 Regional Travel Demand Management (TDM) Planning

Purpose: To facilitate and monitor the provision of travel demand management services and projects consistent with the MVRTP.

Tasks:

- Monitor progress and results of projects funded through the TIP Regional TDM Pool, including activities of the Regional TDM Program
- Monitor new types of TDM activities and techniques
- Monitor and assist with “last-mile” studies and analyses associated with various transit stations

Deliverables:

~~2016~~2018

- Complete FY 2018-2019 project selection process for the TDM Pool
- ~~Complete FY 2016-2017 project selection process for the TDM Pool~~

~~2017~~2019

- ~~Complete FY 2018-2019 project selection process for the TDM Pool~~

Participants: DRCOG (lead), CDOT, RTD, TMO's, local governments

Activity 5.3 Regional Transportation Operations

Purpose: To provide a Regional Transportation Operations technical perspective to the Metro Vision planning process, assure project conformance with the Regional ITS Architecture and the Regional Concept of Transportation Operations, and continue to facilitate cooperative work on ITS deployment and day-to-day transportation operations.

Tasks:

- Conduct periodic stakeholder meetings to maintain dialogue necessary to implement the Regional Concept of Transportation Operations and assist with project implementation
- Monitor ITS deployment to ensure compliance with 23 CFR Part 940 and maintain systems engineering analysis project documentation submitted by stakeholders
- Maintain the DRCOG ~~Turbo-~~Regional ITS Architecture ~~database and companion document~~
- Coordinate with CDOT and FHWA to perform ~~Operation Clearance~~ functions assigned to MPOs for operations project clearance and the systems engineering analysis process

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Preliminary Draft of FY2018-2019 UPWP Activities

- ~~• Assist CDOT and FHWA with implementation of a statewide transportation operations plan~~
- Coordinate with relevant CDOT TSM&O Division incident management efforts
- Incorporate ITS and operations strategies into the Congestion Management Process analyses, measures, and public information products
- Maintain and update Regional Transportation Operations and other applicable DRCOG web site pages
- Assist in the establishment of inter-jurisdictional and interagency data sharing and performance measure procedures and agreements

Deliverables:

~~2016~~2018

- Prepare ~~2015-2017~~ Annual Report on Regional Transportation Operations Performance Measures
- ~~• Update Regional Concept of Transportation Operations~~
- Prepare feasibility study for pilot implementation of regional traffic operations monitoring support

20172019

- Prepare ~~2016-2018~~ Annual Report on Regional Transportation Operations Performance Measures
- Develop and approve Regional Transportation Operations Program, programming funds identified in the RTO set-aside of the DRCOG TIP

Participants: DRCOG (lead), FHWA, CDOT, RTD, public highway authorities, public safety agencies, local governments (traffic, public safety, and information technology elements)

Activity 5.4 Transportation Security Planning

Purpose: To participate in security-related activities and develop planning products/methods that will be used to consider security in the process to identify, evaluate, and fund transportation projects.

Tasks:

- Participate on federal and state agency committees dealing with security and transportation, as requested
- Monitor and respond to federal rulemaking and guidance documents
- Liaise with the [boards of Colorado's North Central All-Hazards Region](#) [and the Denver Urban Area Security Initiative](#)
- Refine roles, establish and maintain relationships to existing documents and protocols (e.g., incident management plans, evacuation plans, training/exercise planning, and Regional ITS Architecture), and determine further activities with local stakeholders

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Deliverables:

~~2016~~2018

- ~~• Develop guidance for security of transportation operations systems and data sharing processes~~

~~2017~~2019

- ~~• Conduct internet/network security audits for stakeholders requesting support~~

Participants: DRCOG (lead), CDOT, RTD, local governments, Colorado Department of Public Safety, Division of Homeland Security and Emergency Management (North Central Region and Northeast Region), and others

Activity 5.5 Transportation Safety Planning

Purpose: To further incorporate safety data and analyses into transportation planning and public awareness activities.

Tasks:

- Geocode crashes in the Denver region that are off the state highway system, as data is made available
- House the annual crash database of all crashes in the region and disseminate data
- Prepare crash and safety analyses, as needed
- Respond to requests for information
- Lead or participate on a Regional ~~Develop a~~ “Vision Zero” or “Towards Zero Deaths” regional strategy

Deliverables:

~~2016~~2018

- Board established HSIP 2014-2018 safety targets (Five federal measures)
- Documentation of Federal safety baseline performance measures for DRCOG region
- Incorporate crash data into Active Transportation Plan
- ~~• Traffic Safety in the Denver Region Report~~
- ~~• Pedestrian and Bicycle Safety in the Denver Region Report~~

2019

- Documentation of federal safety performance measures and progress for DRCOG region

Participants: DRCOG (lead), CDOT, Colorado Department of Revenue

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

OBJECTIVE 6.0 PUBLIC TRANSPORTATION PLANNING

Activity 6.1 Regional Transit/Human Service Transportation Planning and Coordination

Purpose: To improve local and regional transit access and mobility through increased planning and coordination.

Tasks:

- Participate with the Denver Regional Mobility and Access Council (DRMAC) and other groups on efforts to improve coordination of human service transportation, including serving on DRMAC's Board in an ex-officio capacity
- Coordinate with DRMAC, DRCOG's Area Agency on Aging (AAA), Local Coordinating Councils (LCCs), and other stakeholders to plan for, develop, and implement regional human service transportation coordination strategies
- Work with ~~DRMAC and RTD on identifying gaps in connectivity of people and services~~ stakeholders to better leverage and integrate various human service transportation funding sources and activities to increase service and people served.
- ~~Monitor, participate, and/or assist with local and regional transit planning activities and studies~~
- Compile ongoing service data from RTD to use for the travel model, plans, reports, and other activities as needed
- Coordinate with RTD, CDOT, and LCCs on the selection, implementation, and performance of FTA grant-funded transit projects within the DRCOG region
- Maintain a performance tracking report on TIP funded transit projects

Deliverables:

~~2016~~2018

- Complete and achieve objectives of Veterans Transportation and Community Living Initiative Grant
- ~~Update~~ Maintain and update Coordinated Public Transit--Human Services Transportation Plan (Coordinated Plan)

Participants: DRCOG (lead), RTD, CDOT, DRMAC and others

Activity 6.2 FasTracks Review and Assessment

Purpose: To review and assess the status of FasTracks with respect to State Senate Bill 90-208 (SB-208) as directed by the DRCOG Board (such as through Resolution #14, 2013).

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Preliminary Draft of FY2018-2019 UPWP Activities

Tasks:

- Complete the review and assessment of RTD FasTracks Change Report(s) when submitted by RTD. (If consultant assistance is required for DRCOG financial plan review of an RTD Change Report, RTD would provide funding for the financial consulting effort. ~~CPG funds may be used for the other consultant activities.~~)
- Based on DRCOG review and assessment of RTD Change Report(s), take further action pursuant to SB-208, and/or amend the 2040 ~~Fiscally Constrained~~ Metro Vision Regional Transportation Plan, if needed
- Provide to the DRCOG Board RTD's ~~submission of the~~ annual FasTracks Status Report (~~by due to DRCOG by~~ May 1st of each year)

Deliverables:

~~2016~~2018

- DRCOG review and assessment of RTD Change Report(s), when submitted by RTD. If needed, subsequent SB-208 action and/or 2040 ~~FC-RTP~~MVRTP amendment
- RTD ~~2016~~2018 FasTracks Annual Status Report

~~2017~~2019

- DRCOG review and assessment of RTD Change Report(s), when submitted by RTD. If needed, subsequent SB-208 action and/or 2040 ~~FC-RTP~~MVRTP amendment
- RTD ~~2017~~2019 FasTracks Annual Status Report

Participants: DRCOG, RTD

Activity 6.3 RTD and CDOT Local Government Planning Process

Purpose: To provide a mechanism that incorporates the input of local and governmental jurisdictions into the RTD Strategic Budget Plan/FTA Program of Projects and CDOT planning process.

Tasks:

- Gather input from local government representatives for RTD's Strategic Budget Plan capital projects and annual service plan changes
- Conduct coordinated public involvement efforts associated with CDOT and RTD products such as the STIP, environmental studies, and other planning activities

Participants: RTD (co-lead), CDOT(co-lead), local governments, DRCOG

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

Activity 6.4 RTD Strategic Budget Plan

Purpose: To prepare the RTD Strategic Budget Plan/FTA Program of Projects for both the 2016-2021 and the 2017-2022 time frames.

Deliverables:

~~2016~~2018

- Prepare the ~~2016~~2018-~~2021~~-2023 Strategic Budget Plan for input into the Transportation Improvement Program

20172019

- Prepare the 20172019-~~2022~~-2024 Strategic Budget Plan for input into the Transportation Improvement Program

Participants: RTD

Activity 6.5 RTD System Planning Process

Purpose: To continue to provide system-level planning for the rapid transit corridors, the regional bus network, and transit facilities.

Tasks:

- Continue oversight of system planning process

Participants: RTD

Activity 6.6 Park-n-Ride[®] Planning and Transit Oriented Development (TOD)

Purpose: To research and report on Park-n-Ride use and plan for and implement transit oriented development in conjunction with the planning and development of FasTracks and at existing transit stations and Park-n-Rides. This is done in partnership with local government jurisdictions, the development community, and other key stakeholders .

Tasks:

- Prepare quarterly Park-n-Ride use reports
- Prepare biannual Park-n-Ride user distribution geocoding and mapping
- Participate in local jurisdiction land-use planning processes for station areas
- Pursue joint development at RTD transit stations where practical and consistent with local government land use plans and state law governing eminent domain and RTD operations
- Benchmark TOD activity in annual status report and FasTracks Quality of Life study

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Preliminary Draft of FY2018-2019 UPWP Activities

- Provide ongoing TOD education and outreach
- Complete Annual TOD Status Report

Participants: RTD (lead), DRCOG, local governments

Activity 6.7 FasTracks Program Management and Planning Assistance

Purpose: To oversee and manage engineering, planning, environmental, project controls, and construction management activities for FasTracks (consultant assistance may be required).

Tasks:

- Annual Program Evaluation of the FasTracks program, including revised capital costs, schedule, and preparation of program management plans for FasTracks corridors
- Preparation of FasTracks Change Report(s) for DRCOG
- Other assorted engineering, planning, and environmental activities for FasTracks

Participants: RTD

OBJECTIVE 7.0 SUPPORT SYSTEMS FOR PLANNING

Activity 7.1 Develop and Maintain Information Systems

Purpose: To be a regional resource for the research, development, and deployment of tools and technologies, and provide data and information that support UPWP activities.

Tasks:

- Develop, maintain, and update tools, applications, and visualizations that allow internal and external users to explore and consume information (e.g. Regional Equity Atlas, TRIPS, including the TIP WebMap, Denver Regional Visual Resources (DRVR), ~~TOD Application~~, traffic signal webmap)
- Develop and maintain tools and applications that enable data exchange amongst local jurisdictions, regional partners, and DRCOG (e.g. Data Portal, Regional Data Catalog)
- Develop and distribute informational products at the local and regional level (e.g. Community Profiles, Legislative Profiles)
- Facilitate forums for data professionals in the region to collaborate on GIS data and information (e.g., Denver Regional Data Consortium)
- Collect, compile, and purchase data in support of transportation and land use modeling, travel modeling, performance measurement, and Metro Vision implementation
- Create and maintain a Data Plan that integrates the data management efforts of the planning, socioeconomic, travel modeling, and GIS teams

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- Maintain an internal and external data repository
- Coordinate the ~~purchases~~ acquisition of regional datasets through the Denver Regional Data Consortium and Denver Regional Aerial Photography Projects
- Perform GIS analysis for decision-support and performance measurement
- Maintain internal processes and infrastructure in support of application and tool development
- Complete the local data collection and regional dataset creation efforts
- Run the Development Type Model
- Partner with the US Census to prepare our local governments for Census 2020

Deliverables:

~~2016~~2018

- Initiate the ~~2016-2018~~ Denver Regional Aerial Photography Project (DRAPP)
- ~~Complete the Denver Regional Planimetric Project~~
- Create a new baseline dataset for UrbanSim

~~2017~~2019

- Complete the ~~2016-2018~~ DRAPP
- Complete the Denver Regional Planimetric Project
- Submit PSAP data to US Census on behalf of our member governments.:
https://www.census.gov/geo/partnerships/psap_overview.html

Participants: DRCOG (lead), local governments

Activity 7.2 Land Use Modeling and Forecasting

Purpose: To maintain, operate, expand, and refine the land use modeling and forecasting tools.

Tasks:

- Maintain and refine UrbanSim model, as needed
- Implement ~~UrbanCanvas~~-visualization and planning ~~model~~tools into the land use forecasting process and in support of the implementation of Metro Vision 2040 plan
- Develop and maintain economic forecasting tools in support of UrbanSim
- Develop and distribute informational products at the local and regional level (e.g. Regional Economic Reports)
- Support work groups associated with forecasting, modeling, and planning efforts detailed in the UPWP

Deliverables:

~~2016~~2018

- Calibrate and validate the UrbanSim land use model with updated base year data

Participants: DRCOG (lead), local governments

ATTACHMENT 1

Preliminary Draft of FY2018-2019 UPWP Activities

Activity 7.3 Transportation Modeling and Forecasting

Purpose: To maintain, operate, expand, and refine the transportation modeling and forecasting tools.

Tasks:

- Provide travel model data results in support of 2040 Metro Vision Regional Transportation Plan (MVRTP) amendments, air quality conformity, the new 2045 MVRTP, and other requests
- Continue efforts to optimize and streamline Focus, DRCOG's regional travel demand forecasting model, for faster and more accurate results available to a wider range of users. Evaluate modifications to facility types, areas types, values of time (VOT), TAZs, and other model attributes
- Incorporate outcomes of the Commercial Vehicle Survey (CVS) into the components of the Commercial Vehicle Travel Model. examine package delivery travel patterns
- Work with partner agencies (CDOT, RTD, other Colorado MPOs) to evaluate options and prepare for an updated and statewide household travel survey
- Collaborate with CDOT in developing the statewide activity-based (ABM) model
- Work with RTD to incorporate results of their 2015 system-wide on-board survey and new fare structure into the Focus model
- Work with RTD to evaluate methods for improving Focus model ridership forecasts regarding Park-n-Ride and Transit -Oriented Development outcomes
- Investigate developing a spatial visualization tool for CVS data
- ~~Provide travel model data results in support of Metro Vision and 2040 Regional Transportation Plan (RTP) amendments~~
- Explore/Evaluate uses and benefits of 2D and 3D ABM visualization tools such as CityPhi (INRO product)
- Explore how additional socioeconomic traits or network attributes (e.g. sidewalks) may enhance Focus modeling of bicycle and pedestrian trips
- Work with RPD Division on a new methodology for forecasting future school locations
- Evaluate and if cost effective, implement the Highway/Transit Master Network for maintaining different projects
- 2010 Front Range Travel Counts/Household Travel Survey:
 - Further incorporate into Focus model components
 - Collaborate with CDOT to re-estimate the model coefficients
- ~~Evaluate other modeling/visualization/economic tools, as needed~~
- ~~Support work groups associated with forecasting and modeling efforts detailed in the UPWP~~
- Provide model components and outputs to planning partners, local governments, or consultants conducting NEPA or other studies
- ~~Explore how a "complete streets" network (with sidewalk information) may supplement information for Focus's non-motorized mode modeling~~

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Preliminary Draft of FY2018-2019 UPWP Activities

- Maintain a cohesive storage area to keep all travel model related files including documentation, scenario analysis, calibrations, and inputs and outputs for RTP Cycle runs
- ~~Work with RTD to evaluate Focus travel demand model forecasts regarding Park-n-Ride and Transit-Oriented Development outcomes. Determine if refinements are justified based on available data and methodological tools~~
- ~~Summarize toll survey data (collected by others) for regional applicability~~
- ~~Front Range Travel Counts/Household Travel Survey:
 - Further incorporate into Focus
 - Summarize data for use in public information and planning products
 - Complete summary documentation, offer training to prospective data users, and compile data outputs for specific requests~~

Deliverables:

~~2016~~2018

- Create 2015 base year model including new calibration and traffic/ridership validation
- ~~Complete updated Focus model runs and output data files used for air quality conformity determinations~~Complete commercial vehicle survey as part of the Front Range Travel Counts project
- ~~Develop travel model data visualization tool(s) to support internal and external decision making on model results~~

~~2017~~2019

- ~~Create 2015 base year model including new calibration and validation~~
- ~~Automate process for inputting data (e.g. UrbanSim) into the Focus model~~
- Design and implement a new tool to automate the calibration process of the Focus model components
- Complete Focus model runs and output data files used for air quality conformity determinations
- ~~Develop an integration platform between Focus and UrbanSim models~~
- ~~Develop multi-resolution modeling capability (e.g. dynamic traffic assignment) for regional, corridor, and intersection level analysis to support transportation planning activities~~
- ~~Design and implement new Graphical User Interface (GUI) for the Focus model~~

Participants: DRCOG (lead), CDOT, RTD

Activity 7.4 Maintain Transportation and Related Data

Purpose: To obtain, maintain, and distribute transportation and related data to be used in the regional transportation planning process.

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Preliminary Draft of FY2018-2019 UPWP Activities

Tasks:

- Collect and process local government receipts and expenditure data, state, and local roadway inventory data, and bridge data from CDOT, incorporating it into DRCOG databases
- Collect and process traffic counts from CDOT and all member governments/consultants, perform quality control, and add to the traffic count database
- Continuously update the DRCOG website traffic count map to show count data for the last three years
- Improve methods for calculations of greenhouse gas and air quality measures
- Collect transit ridership, Park-n-Ride lot user data, and other transit-related data from RTD
- Obtain bridge and pavement condition data from CDOT and local governments, as needed
- Transfer state highway crash data into the DRCOG linear reference system and geocode crashes on non-state roadways
- Edit the transportation information database per plan amendment and update various travel model networks staging respectively

Deliverables:

~~2016 and 2017~~ 2019

- Conduct the Transportation Improvement Survey

Participants: DRCOG (lead), CDOT, RTD, local governments

ATTACHMENT C

To: Chair and Members of the Transportation Advisory Committee

From: Jacob Riger, Transportation Planning Manager
303-480-6751 or jriger@drcog.org.

Meeting Date	Agenda Category	Agenda Item #
May 22, 2017	Information	5

SUBJECT

This item introduces the topic of preparing the 2045 Metro Vision Regional Transportation Plan (2045 MVRTP).

PROPOSED ACTION/RECOMMENDATIONS

No action requested. This item is an informational briefing.

ACTION BY OTHERS

N/A

SUMMARY

With DRCOG Board adoption of the 2040 MVRTP at its April 19, 2017 meeting, staff is initiating the planning process to prepare the 2045 MVRTP for anticipated adoption by early 2020.

The 2040 MVRTP directly incorporates DRCOG's new Metro Vision plan into a completely updated document that integrates the 2040 Fiscally Constrained RTP with the region's envisioned multimodal transportation system (2040 Metro Vision RTP).

The 2045 MVRTP will build on the 2040 MVRTP with a focus on financial plan analyses, such as:

- Revenue amount scenarios analysis (fiscal constraint implications of different revenue totals)
- Funding source scenarios analysis (fiscal constraint implications of new or different funding sources, such as a federal infrastructure funding bill, potential ballot measure, etc.)
- Candidate capacity project implications of various financial plan/revenue assumptions
- Cost "banding" (matching project expenditures and revenues by defined time periods)

The 2045 MVRTP will also incorporate 2040 MVRTP amendments, updated planning assumptions, federal performance-based planning requirements, the Active Transportation Plan and DRCOG freight plan (once complete), and other inputs.

Attachment 1 illustrates a summary timeline and coordination relationships between the 2040 MVRTP, 2020-2023 Transportation Improvement Program, and 2045 MVRTP.

Staff will present an overview of the 2045 MVRTP and ask for input at the May TAC meeting.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENT

1. Draft MVRTP and TIP Summary Timeline and Coordination – 2017 to 2020

ADDITIONAL INFORMATION

If you need additional information, please contact Jacob Riger, Transportation Planning Manager, at 303-480-6751 or jriger@drcog.org.

Attachment 1: DRAFT MVRTP and TIP Summary Timeline and Coordination - 2017 to 2020

May 15, 2017

	2017				2018				2019				2020
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr
New 2020 - 2023 TIP	TIP Policy Work Group	TIP Policy Work Group	Board TIP Focus Areas	Final TIP Policy Doc.	Call for Reg. Projects (define pools)	Calls for Sub-Reg Projects		Board Review & Approval of Projects	Draft TIP Complete	Adopt TIP			
2040 MVRTP	-----> Prepare Plan Document	Adopt 2040 MVRTP & Conformity	Call for Amendments	Modeling conformity	Approve amendments		Call for Amendments	Modeling conformity	Approve amendments				
			Ballot Measure? Fed. Infrastr. Bill?		Fed. Perf. Measures	Active Transp. Plan Freight Plan							
2045 MVRTP		<u>Kickoff</u> Revenues & Program Dist. (PD)	Revenues & PD EJ Areas Definition	Revenues & PD Reg. Roadway System EJ Areas Definition	Reg. Roadway System Financial Plan Scenarios Vision Projects	Financial Plan Scenarios Community Outreach	Financial Plan Scenarios	Capacity Projs. Eval	Capacity Projs. Eval	Fiscally Const. Projs.	Modeling Conformity	Draft 2045 MVRTP Complete	Public Review & Hearing Adopt 2045 MVRTP
Metro Vision Plan	Adopt												

Other Major Activities:

- UPWP TDM Pool Solicit.
- PM-10 Commitments Public Inv Plan
- New "70 ppb" Ozone SIP Active Transp. Plan
- Local Road Projs. Survey DRCOG Freight Plan

ATTACHMENT D

To: Chair and Members of the Transportation Advisory Committee
From: Steve Cook, Transportation Modeling and Operations Manager
303-480-6749 or scook@drcog.org

Meeting Date	Agenda Category	Agenda Item #
May 22, 2017	Informational	6

SUBJECT

Discussion on Planning and Environmental Linkage (PEL) study guidance.

PROPOSED ACTION/RECOMMENDATIONS

No action requested. This item is an informational briefing.

ACTION BY OTHERS

N/A

SUMMARY

PEL studies for transportation projects and corridors have become common in Colorado over the past few years. In response, the Colorado Department of Transportation (CDOT) in 2016 prepared an update to the PEL Handbook in coordination with the Federal Highway Administration (FHWA). The handbook provides guidance and best practices for conducting PEL studies, which provide productive linkages between preliminary planning efforts and the National Environmental Policy Act (NEPA) process.

Because of the growing use of PELs, it is especially important for local governments pondering the preparation of a PEL study to understand all aspects of conducting such studies. CDOT staff will discuss the PEL process and associated guidance at the May TAC meeting.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENT

Link to CDOT PEL Handbook (January 2016):

<https://www.codot.gov/programs/environmental/planning-env-link-program/pel-handbook-january-2016/view>

ADDITIONAL INFORMATION

If you need additional information, please contact Steve Cook, Transportation Modeling and Operations Manager, at 303 480-6749 or scook@drcog.org; or Lindsay Edgar, CDOT PEL Section 4(f) and 6(f) Program Manager, at 303 512-4157 or lindsay.edgar@state.co.us.