

End-of-Year Status Report

FY 2019 Unified Planning Work Program Activity

October 1, 2018 through September 30, 2019

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Activity 1.1 Direct Program Management

Activity 1.1 Tasks	Activity 1.1 Status
Supervise DRCOG personnel assigned MPO planning work. Monitor staff work on the UPWP and evaluate progress	<ul style="list-style-type: none"> ▪ Ongoing
Implement new internal strategic management and performance measurement system	<ul style="list-style-type: none"> ▪ Ongoing
Prepare and maintain adequate records of correspondence, purchasing, and contracts	<ul style="list-style-type: none"> ▪ Ongoing
Routine personnel, office, and administrative activities	<ul style="list-style-type: none"> ▪ Ongoing

Activity 1.2 Maintaining the Metropolitan Transportation Planning Process

Activity 1.2 Tasks	Activity 1.2 Status
Manage and administer the transportation planning process, including the FY2018-2019 Unified Planning Work Program	<ul style="list-style-type: none"> ▪ Continued to manage and administer the transportation planning process ▪ Amended FY2018-2019 UPWP (February 2019)
Support and participate in DRCOG's transportation policy, planning, and programming committees with agendas, meeting logistics, maintenance of membership, and miscellaneous communications	<ul style="list-style-type: none"> ▪ Held 10 Regional Transportation Committee (RTC) meetings, 11 Transportation Advisory Committee (TAC) meetings, 11 DRCOG Board meetings, 3 Board Work Sessions, 6 Agency Coordination Team (ACT) meetings, and 7 (air quality) Interagency Coordination Group (ICG) meetings ▪ Prepared ~500 agenda memos and associated attachments
Facilitate the planning and implementation of transportation projects and services, while strengthening the working relationships among the MPO partner agencies	<ul style="list-style-type: none"> ▪ Attended 2 CDOT R1 and 1 R4/DRCOG quarterly meetings
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	<ul style="list-style-type: none"> ▪ Hosted 6 ACT/ICG meetings and one independent ICG meeting ▪ Attended 2 CDOT R1 and 1 R4/DRCOG quarterly meetings
Incorporate guidance of state and federal agencies on the regional transportation planning process	<ul style="list-style-type: none"> ▪ Held meetings with FHWA and FTA staff regarding federal requirements regarding the 2050 MVRTP planning process and potential amendments to the 2040 MVRTP
Participate on procedural efforts such as the definition of the functional highway classification system, national highway system, and planning boundaries	<ul style="list-style-type: none"> ▪ Worked with FHWA, CDOT R4, and Boulder County regarding a requested removal of Dillon Road from the federal aid system ▪ Coordinated with CDOT regarding potential minor MPO boundary cleanup/clarification adjustments

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Activity 1.2 Tasks	Activity 1.2 Status
Address items that were contained within the 2016 joint FHWA and FTA Quadrennial Review of the MPO Planning Process	<ul style="list-style-type: none"> Met with FHWA staff regarding comments on DRCOG's then-draft Public Engagement Plan and how it addresses items from the 2016 quadrennial certification

Activity 1.2 Deliverables	2019
Prepare FY 2018 UPWP end-of-year report	<ul style="list-style-type: none"> Completed and distributed end-of-year report
Prepare FY 2019 UPWP mid-year report	<ul style="list-style-type: none"> Completed and distributed mid-year report
Develop the FY 2020-FY 2021 UPWP	<ul style="list-style-type: none"> Completed FY2020-FY2021 UPWP

Activity 1.3 Interregional, Regional, and Corridor Planning Coordination

Activity 1.3 Tasks	Activity 1.3 Status
Maintain communication and exchange information with other regional stakeholders, including neighboring counties and the state on transportation, land use, and economic development issues	<ul style="list-style-type: none"> Maintained communication and exchanged information
Coordinate with neighboring counties, MPOs, and TPRs on planning for transportation facilities and services adjacent to mutual border; attend Statewide MPO Committee meetings	<ul style="list-style-type: none"> Coordinated with other MPOs and TPRs: <ul style="list-style-type: none"> Attended all statewide MPO and STAC meetings Introduced PPACG to TRIPS, signed an IGA, and completed data integration that allows them to begin using TRIPS for TIP project tracking and access
Monitor, participate, and assist with statewide or interregional transportation planning activities, corridor studies, NEPA studies, PELs, and funding opportunities	<ul style="list-style-type: none"> Attended, provided information for, and monitored numerous interregional studies including: N. I-25 EIS Segments 5/6; I-25 South PEL, SH-119 BRT, US-85 North EA, I-25 Central PEL, and I-25/Belleview EA
Participate and provide technical support in regional NEPA/environmental and Planning and Environment Linkages (PEL) efforts and/or similar regional and corridor planning efforts, as necessary. Implement or incorporate outcomes into planning documents as appropriate	<ul style="list-style-type: none"> Attended, provided information for, or monitored regional planning efforts, including: SH-119 BRT; Regional BRT Study; US-85/104th/120th Interchanges; Belleview EA; Colorado Express Lanes Master Plan; 88th Ave. EA; Picadilly/I-70 EA; I-25 Central PEL; AirPark/Watkins I-70 1601 Study
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	<ul style="list-style-type: none"> Attended all TRAC meetings Attended all scheduled STAC meetings Attended monthly meetings of the Colorado Southwest Chief & Front Range Passenger Rail Commission (DRCOG staff rep. is Commission Vice Chair)

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Activity 1.3 Tasks	Activity 1.3 Status
Participate as one of the partner agencies on the Mobility Choice Blueprint project analyzing how future travel trends and technologies will impact mobility in the region	<ul style="list-style-type: none"> ▪ Attended bi-weekly project management team meetings ▪ Attended public and stakeholder events associated with Mobility Choice Blueprint development and completion ▪ Assisted in generating and reviewing significant content for what became the project's final work products: Blueprint final report, summary brochure, and video ▪ Began initial implementation activities focused on the Blueprint's tactical action recommendations

Activity 1.4 DRCOG Staff Training and Development

Activity 1.4 Tasks	Activity 1.4 Status
Provide training in-house and offsite for DRCOG staff	<ul style="list-style-type: none"> ▪ Participated in in-house and off-site trainings: <ul style="list-style-type: none"> ○ Powerful Presentations ○ Recordkeeping and Laws ○ Workplace Respect: The Myth and Reality of Harassment ○ ArcGIS Pro Training ○ Basics of Bicycle Maintenance ○ Excel Advance ○ Travel Model 101 ○ Performance Documentation Skills ○ Managing in a Multi-Cultural Environment ○ Managing Effective Meetings
Attend webinars	<ul style="list-style-type: none"> ▪ Attended webinars including: <ul style="list-style-type: none"> ○ Implementing Context Sensitive Design ○ FHWA Bikeway Selection Guide ○ Introducing Dangerous by Design ○ Framework for Bikeway Designation ○ Transportation Behavior Trends ○ 10 Tips for Successful Online Engagement Every Time ○ Complete Streets Implementation and Equity ○ Talking TIM (Traffic Incident Management) ○ CTEDD Researcher Webinar on Dockless Bikeshare Policies ○ Commercial Vehicle Modeling ○ FY20 Appropriations Status ○ New Updates to data.census.gov

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Activity 1.4 Tasks	Activity 1.4 Status
Attend in-state and out-of-state conferences	<ul style="list-style-type: none"> ▪ Attended in-state and out-of-state conferences including: <ul style="list-style-type: none"> ○ Moving People Forward ○ CommuteCon ○ TRB Annual Meeting ○ Local Safety Plan Exchange ○ Colorado Springs Transportation Symposium ○ Commuting Solutions: Transportation Summit ○ Advanced Level Environmental Justice Workshop ○ Hosted FHWA TPM and PBPP Implementation Workshop ○ Hosted AMPO PBPP PM2 Workshop ○ American Planning Association National Conference ○ American Planning Association Colorado Conference ○ Rail-Volution 2019

Activity 2.1 Public Engagement and Outreach

Activity 2.1 Tasks	Activity 2.1 Status
Conduct public forums, community meetings, and workshops regarding major planning products identified in the UPWP	<ul style="list-style-type: none"> ▪ See below.
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	<ul style="list-style-type: none"> ▪ Held 45-day public comment review period and public hearing on public engagement plan ▪ Held a 30-day public comment review period and public hearing for amendments to the Metro Vision Plan and 2040 MVRTP ▪ Held 30-day public comment review period for Active Transportation Plan ▪ Held a 30-day public comment review period and public hearing for the 2020-2023 TIP
Inform the public of adopted documents, program amendments, and opportunities to offer comments via DRCOG's website	<ul style="list-style-type: none"> ▪ Provided documentation and opportunities for comment on DRCOG's website during public review period for public engagement plan, proposed amendments/updates to the Metro Vision Plan and 2040 MVRTP, 2020-2023 TIP, and Active Transportation Plan ▪ Provided final plan, executive summary and short video for adopted Active Transportation Plan on DRCOG's website

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Activity 2.1 Tasks	Activity 2.1 Status
<p>Hold the Citizens' Academy, a program to educate participants about regional issues and empower them to participate in civic decision-making</p>	<ul style="list-style-type: none"> ▪ Held inaugural Citizens' Academy in fall 2018 ▪ Hosted second Citizens' Academy in spring 2019 ▪ Advertised and recruited for fall 2019 Academy (first session to be held in September 2019)
<p>Give presentations to community, advocacy, and other interest groups, as requested</p>	<ul style="list-style-type: none"> ▪ Presented to various groups including: <ul style="list-style-type: none"> ○ ULI Transit Oriented Development Committee ○ Bike Jeffco ○ Trust for America's Health ○ Gilpin County Strategic Planning ○ Indianapolis 2018 Leadership Exchange ○ University of Colorado-Denver course on Regional Growth & Equity ○ North Area Transportation Alliance ○ Denver Foundation ○ ULI TOD Committee ○ Councilwoman Kendra Black – Coffee Talks ○ AMPO/FHWA GIS Working Group ○ Vancouver, WA Delegation – Metro Vision and Regional Collaboration ○ Australian Capital Territory ○ Adams County Economic Development ○ NOCO Places ○ Neighborhood Development Collaborative
<p>Create and maintain various DRCOG web pages and other communications materials</p>	<ul style="list-style-type: none"> ▪ Maintained web pages including: <ul style="list-style-type: none"> ○ Metro Vision ○ Data, Maps and Modeling ○ Congestion Management Process ○ Regional Data Catalog ○ Transportation Planning and Traffic Operations
<p>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</p>	<ul style="list-style-type: none"> ▪ Developed agency-wide public engagement document that includes methods to support public participation process ▪ Created web maps to solicit and capture public and stakeholder comment on Regional Multimodal Freight Plan, FY2020-23 Draft Transportation Improvement Program, Regional Vision Zero Action Plan, and Preliminary 2050 Land Use Forecasts (in support of 2050 RTP scenario analysis)

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Activity 2.1 Tasks	Activity 2.1 Status
Maintain and update DRCOG's plans and documents addressing public involvement, environmental justice, and Title VI/Limited English proficiency	<ul style="list-style-type: none"> ▪ Updated Title VI Implementation Plan ▪ Provided Limited English Proficiency Plan in both English and Spanish ▪ Completed Public Engagement Plan
Implement engagement and outreach strategies identified in the updated Public Engagement Plan	<ul style="list-style-type: none"> ▪ Presented with CDOT, RTD, and SW Chief & Front Range Passenger Rail Commission at every county transportation forum ▪ Attended multiple festivals, fairs, and other community events across the region ▪ Participated in CDOT's Telephone Town Halls ▪ Conducted an online engagement survey and launched a 2050 MVRTP webpage ▪ Prepared a public engagement strategy for the 2050 MVRTP
Evaluate the effectiveness of public engagement efforts	<ul style="list-style-type: none"> ▪ Ongoing
As requested, conduct DRCOG-led short courses on Metro Vision and the transportation planning process	<ul style="list-style-type: none"> ▪ Conducted three trainings for DRCOG Board Directors at annual Board workshop: <ul style="list-style-type: none"> ○ Making Your Community Transit-ready ○ Smart Cities: Beyond Mobility ○ Ozone Attainment: What are the challenges of getting back into compliance?

Activity 2.1 Deliverables	2019
Summaries of public meetings, hearings, and workshops	<ul style="list-style-type: none"> ▪ Ongoing
Public Engagement Plan	<ul style="list-style-type: none"> ▪ Completed Public Engagement Plan
Updated Limited English Proficiency Plan	<ul style="list-style-type: none"> ▪ Provided Limited English Proficiency Plan in both English and Spanish

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

Activity 2.2 Tasks	Activity 2.2 Status
Educate local governments and other interested parties about the DRCOG transportation planning process, federal regulations, and associated documents	<ul style="list-style-type: none"> ▪ Educated Littleton Public Works, Denver South TMA, Gilpin/Clear Creek County local government staff, and Larkspur staff about the 20-23 TIP Policy changes and upcoming calls for projects ▪ Presented to the Aurora Rotary ▪ Presented to Westminster Management Team ▪ Presented "DRCOG 101" (Citizens' Academy x2)

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Activity 2.2 Tasks	Activity 2.2 Status
Meet with local governments about their transportation planning issues and needs	<ul style="list-style-type: none"> ▪ See Activity 3.3
Provide support for communities as they prepare transportation and other plans and studies, including reviewing consultant scopes of service, ensuring final plan consistency with Metro Vision and the MVRTP	<ul style="list-style-type: none"> ▪ Attended JEFFTAAG, JPAC, and NATA meetings ▪ Participated in Buckley Air Force Base's Base Area Plan Development Workshops ▪ Participated in the development and review of Boulder County Transportation Master Plan ▪ Attended over 40 TIP subregional technical committees and forums to assist them with the calls for projects ▪ Provided travel model and traffic analysis assistance to the City and County of Denver for the River Mile development proposal and for the neighborhood transportation study ▪ Attended Castle Rock Transit Feasibility Study Meeting ▪ Reviewed scopes of FY19 STAMP/UC studies
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	<ul style="list-style-type: none"> ▪ Produced two data briefs: <ul style="list-style-type: none"> ○ Denver Regional Data Brief: Household growth and housing demand (May 2019) ○ Denver Regional Data Brief: The increasing cost of a home (August 2019)
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	<ul style="list-style-type: none"> ▪ Created web maps to solicit and capture public and stakeholder comment on Regional Multimodal Freight Plan, FY2020-23 Draft Transportation Improvement Program, Regional Vision Zero Action Plan, and Preliminary 2050 Land Use Forecasts (in support of 2050 RTP scenario analysis) ▪ Presented with CDOT, RTD, and SW Chief & Front Range Passenger Rail Commission at every county transportation forum ▪ Attended multiple festivals, fairs, and other community events across the region ▪ Participated in CDOT's Telephone Town Halls ▪ Conducted an online engagement survey and launched a 2050 MVRTP webpage
Facilitate/host transportation-related webinars and other educational events	<ul style="list-style-type: none"> ▪ Hosted 2 webinar listening sessions on the draft Community Mobility Planning and Implementation Set-Aside ▪ Presented at AMPO's GIS Work Group on Bicycle Facility Inventory ▪ Presented at FTA Performance-Based Planning and Programming Noteworthy Practices Webinar

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Activity 2.2 Tasks	Activity 2.2 Status
	<ul style="list-style-type: none"> ▪ Hosted 4 in-person (one in partnership with CU Denver) and 3 virtual Idea Exchanges: <ul style="list-style-type: none"> ○ Let's Imagine a Great Region: Advancing University-Community Partnerships to Address Regional Growth ○ Mile High Advantage: The region's dynamic outdoor environment ○ Communities in Transition: Tools to predict and respond to gentrification ○ Webinar – Doubled Up and Dealing with It (Part 2) ○ Webinar: Continuous, Comprehensive and Cooperative: Engagement strategies in the Denver region ○ Retail Tales: Local governance and the changing face of retail ○ Webinar – One Year to National Census Day ○ Webinar - Transit-Oriented Data: Resources for the metro Denver area

Activity 3.1 Metro Vision Plan – Collaboration and Implementation Assistance

Activity 3.1 Tasks	Activity 3.1 Status
Develop and provide decision-support tools to local jurisdictions, regional partners, and the public	<ul style="list-style-type: none"> ▪ Held conversations with partners and stakeholders related to existing and new decision-support tools
Provide individualized technical assistance to communities for the purposes of implementing Metro Vision	<ul style="list-style-type: none"> ▪ Assisted Denver in their efforts to understand current migration trends ▪ Provided the City of Louisville with research on the economic benefits of suburban redevelopment and mixed-use development ▪ Provided statistics related to people and students per household in Adams County ▪ Provided small area forecasts to illustrate population and employment growth in the Central Business District ▪ Provided information and clarity on population estimates to Littleton Public Schools ▪ Provided small area forecasts, and additional details, to Denver Water ▪ Detailed growth in single-person households to assist “serial entrepreneurs” in their efforts to prevent social isolation ▪ Mapped food deserts in support of efforts to increase access food resources in the region ▪ Directed researchers to existing and curated data resources to assist with transit-oriented development research

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Activity 3.1 Tasks	Activity 3.1 Status
	<ul style="list-style-type: none"> ▪ Provided detailed information on regional data resources and partnerships to the incoming President/CEO of large philanthropic organization
Use new tools and technology to support regional and local scenario analysis, including impacts of alternative land use and development patterns	<ul style="list-style-type: none"> ▪ Conducted special travel model analysis of River Mile development proposal and discussed results with CCD
Establish and convene topical working groups and forums, as needed (e.g., urban centers, first- and final-mile, small or rural communities, etc.)	<ul style="list-style-type: none"> ▪ Hosted Colorado Age-Friendly Communities Conference in partnership with AARP-Colorado
Participate on steering committees, advisory groups, leadership teams, etc. for aligned organizations and initiatives	<ul style="list-style-type: none"> ▪ Served on RTD’s First- and Last-Mile Planning Partner Advisory Committee ▪ Served on Interim Steering Committee of new non-profit (Metro Denver Nature Alliance), including efforts to recruit and appoint first staff position– Alliance Director ▪ Partnered with CU Denver to design and launch the university’s Imagine a Great Region Initiative – an initiative to facilitate conversations and research about growth in the Denver metro area
Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes	<ul style="list-style-type: none"> ▪ Sponsored Technical Advisory Panels (TAPs) in partnership with ULI (Town of Erie and Jefferson County)
Coordinate with local governments on member-sponsored plan amendments (e.g., new urban centers, other policy amendments)	<ul style="list-style-type: none"> ▪ Solicited Metro Vision amendments – including DRCOG- and sponsor-initiated amendments ▪ Convened a member-sponsored amendment review panel with representation from local government staff, RTD staff, and the Colorado District Council of the Urban Land Institute to review proposed revisions to urban centers recognized in Metro Vision
Collaborate with communities using DRCOG’s Boomer Bond assessment tool to help address impacts of region’s rapidly increasing aging population	<ul style="list-style-type: none"> ▪ Supported Boomer Bond assessments in the Town of Bennett and City of Thornton ▪ Collaborated with local philanthropic organization to provide funding for local age-friendly assessments and implementation efforts (projects will begin in FY20)
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	<ul style="list-style-type: none"> ▪ Partnered with the North Area Transportation Alliance to form regional planning, data collection and reporting sub-committee

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Activity 3.1 Tasks	Activity 3.1 Status
Prepare Regional Complete Streets Toolkit that provides best practices for context-sensitive local street designs that support multi-modal access	

Activity 3.1 Deliverables	2019
Amendments (if any) to Metro Vision	<ul style="list-style-type: none"> ▪ Solicited Metro Vision amendments – including DRCOG- and sponsor-initiated amendments ▪ Held public hearing on proposed amendments ▪ Amendments summary: <ul style="list-style-type: none"> ○ Amended Metro Vision to recognize one new urban center and modify four already recognized urban centers ○ Amended Metro Vision to adjust the baseline for three performance measures and the corresponding 2040 target
Various growth management initiative deliverables (e.g., growth trends reporting, results from issue-based working groups, etc.)	<ul style="list-style-type: none"> ▪ Began issuing a periodic Denver Region Data Brief with the first two topics on growth and housing demand and the impact of housing costs ▪ Provided memo and presentation to North Area Transportation Alliance subcommittee on growth related data and forecasting
Preliminary scope for Metro Vision 2020 assessment (to be completed in 2020)	<ul style="list-style-type: none"> ▪ Performed retrospective analysis of Metro Vision 2020 ▪ Presented findings to DRCOG Board of Directors (additional presentations to key partners are scheduled in early FY20)

Activity 3.2 Metro Vision Plan – Research and Performance Management

Activity 3.2 Tasks	Activity 3.2 Status
Routinely analyze progress on Metro Vision outcomes, including documentation of successes and ongoing challenges	<ul style="list-style-type: none"> ▪ Completed first Metro Vision performance measure update (2016 data/observations)
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.)	<ul style="list-style-type: none"> ▪ Developed case studies of local initiatives ▪ Spotlighted resources, announcements, and events ▪ Hosted or participated in numerous trainings, presentation and workshops (details provided in activities 2.1 and 2.2)

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Activity 3.2 Tasks	Activity 3.2 Status
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	<ul style="list-style-type: none"> ▪ Produced two data briefs: <ul style="list-style-type: none"> ○ Denver Regional Data Brief: Household growth and housing demand (May 2019) ○ Denver Regional Data Brief: The increasing cost of a home (August 2019)
Develop and provide data-driven stories and infographics that illustrate the state of the region in terms of economics, transportation and demographics	<ul style="list-style-type: none"> ▪ Developed and provided data-driven stories and infographics
Design, build, maintain and enhance applications that enable internal and external users to explore and consume regional data related to Metro Vision outcomes, objectives and initiatives	<ul style="list-style-type: none"> ▪ Published new and updated data to the Regional Data Catalog

Activity 3.2 Deliverables	2019
Metro Vision performance measurement reporting	<ul style="list-style-type: none"> ▪ Completed first Metro Vision performance measure update (2016 data/observations)
Populate metrovision.drcog.org with research (e.g., Metro Vision performance measure reporting, infographics, community highlights, external resources, etc.)	<ul style="list-style-type: none"> ▪ Populated Metrovision.drcog.org
Regional research briefing(s)	<ul style="list-style-type: none"> ▪ Produced two data briefs: <ul style="list-style-type: none"> ○ Denver Regional Data Brief: Household growth and housing demand (May 2019) ○ Denver Regional Data Brief: The increasing cost of a home (August 2019)

Activity 3.3 Metro Vision Regional Transportation Plan

Activity 3.3 Tasks	Activity 3.3 Status
Solicit and process (if needed) amendments to the 2040 MVRTP annually or as needed; assist local governments and other project sponsors with plan amendment questions and procedures	<ul style="list-style-type: none"> ▪ Solicited, processed, and adopted 2018 cycle amendments to the 2040 MVRTP ▪ Held several meetings with CDOT, FHWA, and others regarding the need for 2040 MVRTP amendments in 2019/20
Coordinate with CDOT to prepare a freight and goods a Regional Multimodal Freight Plan for the DRCOG region that will include data derived from CDOT's Statewide	<ul style="list-style-type: none"> ▪ Kicked off Regional Multimodal Freight Plan at January 2019 TAC meeting (Attachment F) ▪ Held 2 Regional Multimodal Freight Plan Forums

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Activity 3.3 Tasks	Activity 3.3 Status
Multimodal Freight Plan and regional public and stakeholder engagement.	<ul style="list-style-type: none"> ▪ Held 4 Regional Multimodal Freight Plan Advisory Committee Meetings ▪ Anticipated completion of draft plan in December 2019
Incorporate the DRCOG region freight report and Active Transportation Plan into the 2040 MVRTP through amendment and/or into the 2050 MVRTP	<ul style="list-style-type: none"> ▪ Adopted Active Transportation Plan as standalone document (January 2019)
Participate in the National Highway Freight Program project selection process and designate Critical Urban Freight Corridors (as needed) based on project selection	<ul style="list-style-type: none"> ▪ No Critical Urban Freight Corridors needed designation during the reporting period
Participate in Freight Advisory Council meetings	<ul style="list-style-type: none"> ▪ Regularly attended meetings
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	<ul style="list-style-type: none"> ▪ Worked extensively with staff from the City of Aurora and City of Denver regarding model and roadway network changes associated with 2018 cycle amendments to the 2040 MVRTP ▪ For 2050 MVRTP, solicited input from local governments/project sponsors regarding potential changes to the Regional Roadway System and potential removal of locally funded and vision (unfunded) capacity projects from the MVRTP and projects database
Collaborate with CDOT, RTD, and other stakeholders to develop a common set of revenue assumptions, project costs, and other information needed to prepare the 2050 MVRTP financial plan	<ul style="list-style-type: none"> ▪ Participated in CDOT's Program Distribution process ▪ Began coordinating with RTD regarding transit funding and expenditure assumptions for the 2050 MVRTP financial plan
Monitor federal, state and other efforts to increase transportation funding, and incorporate into for the 2050 MVRTP financial plan	<ul style="list-style-type: none"> ▪ Monitored and participated in Colorado legislature's transportation funding discussions. ▪ Coordinated with Metro Mayors Caucus on regional transportation funding discussions
Begin preparing the 2050 MVRTP financial plan	<ul style="list-style-type: none"> ▪ Continued to serve on CDOT's revenues/program distribution subcommittee

Activity 3.3 Deliverables	2019
Complete the DRCOG region freight and goods movement report	<ul style="list-style-type: none"> ▪ Anticipated completion of draft Regional Multimodal Freight Plan in December 2019
Begin preparing the 2050 MVRTP	<ul style="list-style-type: none"> ▪ Conducted or initiated numerous activities, including:

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Activity 3.3 Deliverables	2019
	<ul style="list-style-type: none"> ○ Presenting with CDOT, RTD, and SW Chief & Front Range Passenger Rail Commission at every county transportation forum ○ Attended multiple festivals, fairs, and other community events across the region ○ Participated in CDOT's Telephone Town Halls ○ Conducted an online engagement survey and launched a 2050 MVRTP webpage ○ Prepared a public engagement strategy for the 2050 MVRTP ○ Completed initial draft 2050 base land use forecasts ○ Began developing concepts and components for scenario planning analysis ○ Continued coordinating with CDOT, and began coordinating with RTD, regarding the 2050 MVRTP financial plan ○ Solicited input from local governments and project sponsors regarding potential changes to the Regional Roadway System and removal of locally funded and vision (unfunded) capacity projects ○ Began revising Environmental Justice methodology for incorporation in the 2050 MVRTP

Activity 3.4 Air Quality Conformity

Activity 3.4 Tasks	Activity 3.4 Status
Monitor federal and state legislation regarding new standards, requirements, or procedures impacting transportation. Assist air quality agencies (i.e., APCD, RAQC), as needed	<ul style="list-style-type: none"> ▪ Ongoing
Monitor the readings and trends of criteria pollutants in relation to established attainment standards	<ul style="list-style-type: none"> ▪ Ongoing
Host the Interagency Consultation Group (ICG) in order to facilitate better communication among planning partners and make air quality process decisions	<ul style="list-style-type: none"> ▪ Held 7 ICG meetings
Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC)	<ul style="list-style-type: none"> ▪ Ongoing
Prepare highway and transit networks (DRCOG), update planning assumptions, perform air quality conformity model runs (DRCOG and APCD), and review highway networks	<ul style="list-style-type: none"> ▪ Conducted for Cycle 2018 amendments

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Activity 3.4 Tasks	Activity 3.4 Status
(CDOT) and transit networks (RTD) associated with amendments of the 2040 MVRTP	
Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments to the MVRTP	<ul style="list-style-type: none"> Conducted for Cycle 2018 amendments
Participate in the development of the new ozone State Implementation Plan (SIP)	<ul style="list-style-type: none"> Ongoing
Continue with activities associated with the Regional Haze SIP	<ul style="list-style-type: none"> Ongoing

Activity 3.4 Deliverables	2019
Annual Conformity Determination Reports	<ul style="list-style-type: none"> Ozone and CO/PM-10 determination reports for Cycle 2018 were adopted in April 2019

Activity 3.5 Pedestrian and Bicycle Planning

Activity 3.5 Tasks	Activity 3.5 Status
Monitor progress on TIP-funded and other bicycle and pedestrian projects	<ul style="list-style-type: none"> Conducted annual request for status of bike/ped projects Assisted CDPHE in quick-win project solicitation and review through Active People, Active Places mini-grant program
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)	<ul style="list-style-type: none"> Updated bicycle facility inventory schema and domains to be consistent with recommendations from the ATP Shared new schema via webinar with AMPO GIS Working Group Updated bike routes web map based on new bicycle facility inventory schema
Continue regional active transportation meetings/summits to facilitate communication and provide educational opportunities	<ul style="list-style-type: none"> Assembled and hosted 6 meetings of the Micromobility Work Group Coordinated and hosted web-based peer-exchange with Metro MPO (Portland, OR) about micromobility Prepared for FHWA Bikeway Selection Guide workshop
Assemble Active Transportation Stakeholder Committee (ATSC) and coordinate meetings	<ul style="list-style-type: none"> Hosted ATSC meeting

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Activity 3.5 Tasks	Activity 3.5 Status
Respond to requests for assistance regarding local pedestrian and bicycle planning topics and projects	<ul style="list-style-type: none"> Participated in Edgewater Mobility Plan, Jeffco Trails Plan, RTD First and Last Mile Strategic Plan
Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region	<ul style="list-style-type: none"> Initiated process to establish regional bicycle count program data sharing Conducted bicycle counts at recently completed TIP project sites
Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested	<ul style="list-style-type: none"> Reviewed all SRTS application submitted for infrastructure and non-infrastructure funding Participated in 2 meetings of the committee, including a day-long workshop to select SRTS projects
Maintain a performance tracking report on TIP-funded bicycle and pedestrian projects	<ul style="list-style-type: none"> Maintained status spreadsheet and conduct counts on TIP-funded bike/ped projects
Participate in the development of TIP Policy related to AT projects in the region, including attending or contributing to TIP Policy Work Group meetings	<ul style="list-style-type: none"> Participated as necessary when TIP was in development

Activity 4.1 Transportation Improvement Program

Activity 4.1 Tasks	Activity 4.1 Status
Prepare amendments and monthly administrative modifications to the 2018-2021 TIP and the subsequent 2020-2023 TIP, and maintain an amended version of the TIP document on DRCOG's website and in the Transportation Regional Improvement Projects and Survey (TRIPS) database, as necessary	<ul style="list-style-type: none"> Processed 8 administrative modifications and 6 amendments to the 2018-2021 TIP, and 1 administrative modification to the 2020-2023 TIP
Facilitate the 2020-2023 TIP Policy Work Group and advise DRCOG committees and the Board, leading to a 2020-2023 TIP Policy document	<ul style="list-style-type: none"> Adopted the TIP Policy document in July 2018
Coordinate the Regional Share project selection process Call for Projects for the 2020-2023 TIP and score eligible applications	<ul style="list-style-type: none"> Scored Regional Share applications and held 4 Project Review Panel meetings Board acted to recommend Regional Share projects into the draft 2020-2023 TIP in December 2018
Monitor and assist in the Subregional Share Forums, forum technical workgroups, and subsequent Call for Projects and project selection process for the 2020-2023 TIP	<ul style="list-style-type: none"> Attended, presented, and assisted sponsors at over 50 at subregional technical committee and forum meetings Opened Subregional Share Call for Projects in January 2019 and closed in February 2019

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Activity 4.1 Tasks	Activity 4.1 Status
	<ul style="list-style-type: none"> ▪ Worked with each forum to recommend a list of projects and ranked waiting list to the Board ▪ Conducted 3 conference calls throughout the Regional and Subregional Share process with forum chairs, vice chairs, and key technical staff
<p>Prepare a 2020-2023 TIP document for committee review and Board adoption in Summer 2019</p>	<ul style="list-style-type: none"> ▪ Developed proposed eligibility rules and selection process document for the CMPI set-aside ▪ Held a public hearing in July ▪ TIP adoption in August
<p>Conduct appropriate project programming activities when additional revenues are made available or decreased</p>	<ul style="list-style-type: none"> ▪ Opened the Non-MPO Multimodal Options Funds Call for Project in September 2019 and held a training session (set-aside of funds from the 2020-2023 TIP process) ▪ Conducted CMPI set-aside: <ul style="list-style-type: none"> ○ Developed eligibility rules and selection process ○ Hosted application workshop ○ Solicited letter of intent and applications ○ Participated in project review and recommendation ○ Brought recommended projects to TAC
<p>Provide financial and project coordination assistance to implementing agencies and project sponsors</p>	<ul style="list-style-type: none"> ▪ Held 4 DRCOG and CDOT R1 quarterly meetings ▪ Assisted agencies with projects including, RAQC, Denver South TMA, Denver, Aurora, Littleton, Boulder County, Douglas County, Larkspur, Evergreen, and Lyons
<p>Conduct activities with CDOT and local governments to continuously refine the IGA and contracting processes</p>	<ul style="list-style-type: none"> ▪ Assisted CDOT with IGA training for local governments
<p>Monitor the progress status and results of TIP projects</p>	<ul style="list-style-type: none"> ▪ Conducted analysis for FY2018 project delays ▪ Discussed project delays with sponsors of delayed projects in FY2018 ▪ Reviewed with CDOT and RTD the mid-year status of all FY19 project phases
<p>Update TRIPS project database when applicable</p>	<ul style="list-style-type: none"> ▪ Completed an internal overhaul/update of TRIPS

Activity 4.1 Deliverables	2019
<p>Prepare FY 2018 Projects Delayed Report</p>	<ul style="list-style-type: none"> ▪ Board action in January 2019 (Attachment D)

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Activity 4.1 Deliverables	2019
Prepare FY 2018 Annual Listing of Obligated Projects	<ul style="list-style-type: none"> Board review and posted on website (January 2019)
Adopt 2020-2023 TIP	<ul style="list-style-type: none"> Adopted 2020-2023 TIP (August 2019)

Activity 4.2 Performance Measure Reporting

Activity 4.2 Tasks	Activity 4.2 Status
Compile data associated with various regional performance measures	<ul style="list-style-type: none"> Compiled and analyzed data received from CDOT for FHWA Fast Act performance measures
Work with CDOT, RTD, FHWA, and FTA to set targets and develop baselines for each FAST Act-required performance-based planning measure	<ul style="list-style-type: none"> Adopted Transit Asset Management targets, and MOU executed amongst RTD, CDOT, and DRCOG
Prepare performance measure reports, and/or assisting CDOT with preparing performance measure reports, for FAST Act performance measures	<ul style="list-style-type: none"> Completed CMAQ Performance Plan
Maintain performance tracking reports on TIP-funded projects	<ul style="list-style-type: none"> Ongoing
Prepare CMAQ performance plan of TIP-funded projects	<ul style="list-style-type: none"> Completed CMAQ Performance Plan including list of TIP projects contribution to achieving targets
Develop and distribute information products that support the monitoring and evaluation of Metro Vision performance measures	<ul style="list-style-type: none"> Supported RPD by providing data/info to assist in monitoring the evaluation of Metro Vision measures

Activity 4.2 Deliverables	2019
Establish FAST Act-required performance targets	<ul style="list-style-type: none"> Adopted 2019 Safety targets (December 2018) Adopted 2022 State Pavement and Bridge Condition targets (October 2018) Adopted 2022 State System Performance and Freight targets (October 2018) Adopted 2- and 4-year CMAQ On-road Mobile Emission targets (October 2018)
Metro Vision performance measurement reporting	
Fast Act performance measures report	

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Activity 5.1 DRCOG Congestion Management Process

Activity 5.1 Tasks	Activity 5.1 Status
Update the Congestion Mitigation Program (CMP) databases annually	<ul style="list-style-type: none"> Year 2018 databases were updated
Update formulas and factors for delay calculations, as needed. Evaluate new data sources and methodologies (e.g., INRIX, HERE)	<ul style="list-style-type: none"> Ongoing
Prepare public information and outreach documents and presentations, including summaries of CMP data	<ul style="list-style-type: none"> Ongoing
Maintain and update CMP pages on the DRCOG website	<ul style="list-style-type: none"> Ongoing
Monitor federal (FAST Act) and statewide congestion measure rules, measures, targets, and procedures. Compile required calculations as needed	<ul style="list-style-type: none"> Ongoing
Maintain performance tracking report on TIP-funded roadway projects	<ul style="list-style-type: none"> Ongoing
Review CMP per recommendation of 2016 Federal Planning Certification Review	<ul style="list-style-type: none"> Review was addressed through the creation of the project monitoring summary presented as part of the 2017 Annual Report on Traffic Congestion in the Denver Region (October 2018)

Activity 5.1 Deliverables	2019
Prepare Annual Report of Traffic Congestion in the Denver Region	<ul style="list-style-type: none"> 2017 Annual Report on Traffic Congestion in the Denver Region (October 2018) Draft of 2018 Annual Report on Traffic Congestion in the Denver Region (Sept. 2019)

Activity 5.2 Regional Travel Demand Management (TDM) Planning

Activity 5.2 Tasks	Activity 5.2 Status
Monitor progress and results of projects funded through the TIP Regional TDM Pool, including activities of the Regional TDM Program	<ul style="list-style-type: none"> Held grantee workshop in coordination with CDOT Participated in CDOT CMAQ Benefits Calculation Workshop and draft guidebook review Participated in development of 20-21 TDM Services Set-Aside program including hosting Application Workshop, soliciting call for Letters of Intent

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Activity 5.2 Tasks	Activity 5.2 Status
Monitor new types of TDM activities and techniques	<ul style="list-style-type: none"> ▪ Ongoing
Monitor and assist with “last-mile” studies and analyses associated with various transit stations	<ul style="list-style-type: none"> ▪ Participated in RTD’s Planning Partners Advisory Committee for their First- and Last-Mile Strategic Plan

Activity 5.3 Regional Transportation Operations & Technology

Activity 5.3 Tasks	Activity 5.3 Status
Coordinate and facilitate meetings and activities of the Regional Transportation Operations Working Group	<ul style="list-style-type: none"> ▪ Conducted 10 Regional Transportation Operations (RTO) Working Group meetings
Monitor transportation technology deployment to ensure compliance with 23 CFR Part 940 including coordination with state and federal project clearance and the systems engineering analysis evaluation	<ul style="list-style-type: none"> ▪ On-going coordination with CDOT and FHWA on incorporating compliances into project development processes ▪ Coordinated with CDOT Smart Mobility and ITS Architecture development
Assist project sponsors with DRCOG Regional ITS Architecture and other transportation technology project implementation, as requested	<ul style="list-style-type: none"> ▪ Coordinated with TIP process to educate and inform project sponsors on systems engineering analysis responsibilities related to projects involving transportation technology
Maintain the DRCOG Regional ITS Architecture	<ul style="list-style-type: none"> ▪ Conducted annual update including updates for new RAD-IT Version (Web version will be published in October)
Monitor and participate on national, state, regional, and local mobility technology efforts	<ul style="list-style-type: none"> ▪ Coordinated discussions regarding the impact of FCC’s small cell antenna ruling ▪ Coordinated discussions regarding CDOT’s adaptive traffic signal and video management system procurements
Monitor and participate on transportation incident management committee efforts	<ul style="list-style-type: none"> ▪ Participated in workshops and plan review for the <i>Douglas County I-25 Traffic Incident Management Plan</i> and the <i>I-25/SH7-58th Ave Traffic Incident Management Plan</i> ▪ Participated in the First Responder Safety Task Force strategic plan development ▪ Participated in the annual self-assessment for the traffic incident management capabilities maturity framework for the Denver region

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Activity 5.3 Tasks	Activity 5.3 Status
	<ul style="list-style-type: none"> Attended several quarterly Standing Program Management Team (SPMT) traffic incident management coordination meetings
Incorporate technology and operations strategies into the Congestion Management Process analyses, measures, and public information products	<ul style="list-style-type: none"> Included applicable documentation and reference in the final 2017 Annual Report on Traffic Congestion (and associated presentations) Incident Management strategies were highlighted in the Draft 2018 Annual Report on Traffic Congestion
Maintain and update Regional Transportation Operations and other applicable DRCOG website pages	<ul style="list-style-type: none"> Ongoing
Assist in the establishment of foundational transportation technology initiatives with an emphasis on inter-jurisdictional and interagency procedures and agreements	<ul style="list-style-type: none"> Presented Mobility Choice Blueprint concepts and tactical actions to RTO Working Group Initiated conceptual and programming discussions evolving from that effort

Activity 5.3 Deliverables	2019
Update RTO Improvement Program with projects using available funds identified in the RTO set-aside of the DRCOG 2020-2023 TIP	<ul style="list-style-type: none"> Scheduled for calendar year 2020 (RTO&T set aside and project selection), following the establishment of the Advanced Mobility Partnership committees and subsequent policy direction

Activity 5.4 Transportation Security Planning

Activity 5.4 Tasks	Activity 5.4 Status
Participate on federal and state agency committees dealing with security and transportation, as requested	<ul style="list-style-type: none"> Ongoing
Monitor and respond to federal rulemaking and guidance documents	<ul style="list-style-type: none"> Ongoing
Liaise with the boards of Colorado's North Central All-Hazards Region and the Denver Urban Area Security Initiative	<ul style="list-style-type: none"> Attended six NCR/UASI Board meetings Attended three UASI/NCR Regional Planning Committee meetings. Provided review of planning framework development Attended two NCR/UASI Incident Operations Committee meetings
Refine roles, establish and maintain relationships to existing documents and protocols (e.g., incident management plans; evacuation plans; training/exercise planning; GIS and data	<ul style="list-style-type: none"> Ongoing

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Activity 5.4 Tasks	Activity 5.4 Status
coordination; and, Regional ITS Architecture), and determine further activities with local stakeholders	

Activity 5.5 Transportation Safety Planning

Activity 5.5 Tasks	Activity 5.5 Status
Geocode crashes in the Denver region that are off the state highway system, as data is made available	<ul style="list-style-type: none"> Completed 2016 and 2017 crash data
House the annual crash database of all crashes in the region and disseminate data	<ul style="list-style-type: none"> Ongoing
Prepare crash and safety analyses, as needed	<ul style="list-style-type: none"> Ongoing
Respond to requests for information	<ul style="list-style-type: none"> Ongoing
Prepare a Regional “Vision Zero” or “Towards Zero Deaths” plan	<ul style="list-style-type: none"> Published Vision Zero RFP in November 2018 Selected and approved consultant by Finance and Budget Committee (February 2019) Began plan development (April 2019) Conducted three RVZ Stakeholder committee meetings

Activity 5.5 Deliverables	2019
Establish 2019 safety targets (five federal measures)	<ul style="list-style-type: none"> Adopted 2019 safety targets (December 2018)
Documentation of federal safety performance measures and progress for DRCOG region	<ul style="list-style-type: none"> Presented progress towards 2018 targets to TAC, RTC, and DRCOG Board

Activity 6.1 Regional Transit/Human Service Transportation Planning and Coordination

Activity 6.1 Tasks	Activity 6.1 Status
Participate with the Denver Regional Mobility and Access Council (DRMAC) and other groups on efforts to improve coordination of human service transportation. AAA staff now serve on DRMAC’s Board in an ex officio capacity outside of CPG	<ul style="list-style-type: none"> Ongoing
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	<ul style="list-style-type: none"> Ongoing
Work with stakeholders to better leverage and integrate various human service transportation funding sources and activities to increase service and people served	<ul style="list-style-type: none"> Worked with CDOT, RTD, and stakeholders to set up a joint call for projects for the TIP Human

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Activity 6.1 Tasks	Activity 6.1 Status
	<ul style="list-style-type: none"> Service Transportation Set Aside and Denver-Aurora Urbanized Area FTA 5310 in May 2019 Approved awards for TIP Human Service Transportation Set Aside
Compile ongoing service data from RTD to use for the travel model, plans, reports, and other activities as needed	<ul style="list-style-type: none"> Ongoing
Coordinate with RTD, CDOT, and LCCs on the selection, implementation, and performance of FTA grant-funded transit projects within the DRCOG region	<ul style="list-style-type: none"> Ongoing (see above)
Maintain a performance tracking report on TIP-funded transit projects	<ul style="list-style-type: none"> Ongoing
Explore becoming Designated Recipient for FTA 5310 funding for the Denver-Aurora Urbanized Area as a way to better coordinate human service transportation funding and services	<ul style="list-style-type: none"> Ongoing
Conduct a new Call for Projects for the new Human Services Set-Aside in the 2020-2023 TIP	<ul style="list-style-type: none"> See above

Activity 6.1 Deliverables	2019
Complete and achieve objectives of Veterans Transportation and Community Living Initiative Grant	

Activity 6.2 FasTracks Review and Assessment

Activity 6.2 Tasks	Activity 6.2 Status
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.)	<ul style="list-style-type: none"> RTD did not submit any change reports
Based on DRCOG review and assessment of RTD Change Report(s), take further action pursuant to SB-208, and/or amend the 2040 Metro Vision Regional Transportation Plan, if needed	<ul style="list-style-type: none"> N/A
Provide to the DRCOG Board RTD's annual FasTracks Status Report (due to DRCOG by May 1 st)	<ul style="list-style-type: none"> RTD provided briefing for DRCOG Board (May 2019)

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Activity 6.2 Deliverables	2019
DRCOG review and assessment of RTD Change Report(s), when submitted by RTD. If needed, subsequent SB-208 action and/or 2040 MVRTP amendment	<ul style="list-style-type: none"> N/A
RTD 2019 FasTracks Annual Status Report	<ul style="list-style-type: none"> Submitted report on May 1st [see email attachment]

Activity 6.3 RTD and CDOT Local Government Planning Process

Activity 6.3 Tasks	Activity 6.3 Status
Gather input from local government representatives for RTD's Strategic Budget Plan capital projects and annual service plan changes	<ul style="list-style-type: none"> Held Local Government/Planning meetings in December 2018, May 2019, and August 2019
Conduct coordinated public involvement efforts associated with CDOT and RTD products such as the STIP, environmental studies, and other planning activities	<ul style="list-style-type: none"> Ongoing

Activity 6.4 RTD Strategic Budget Plan

Activity 6.4 Deliverables	2019
Prepare the 2019-2024 Strategic Budget Plan for input into the Transportation Improvement Program	<ul style="list-style-type: none"> Adopted by RTD Board in October 2018 [see email attachment] <ul style="list-style-type: none"> 2020-2025 plan expected to be approved November 2019

Activity 6.5 RTD System Planning Process

Activity 6.5 Tasks	Activity 6.5 Status
Continue oversight of system planning process	<ul style="list-style-type: none"> Ongoing

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

Activity 6.6 Tasks	Activity 6.6 Status
Prepare quarterly Park-n-Ride use reports	<ul style="list-style-type: none"> Released Q3 2018 Report November 2018 [see email attachment] Released Q4 2018 Report June 2019 [see email attachment] Released Q1, 2019 Report May 2019 [see email attachment]
Prepare biannual Park-n-Ride user distribution geocoding and mapping	<ul style="list-style-type: none"> Conducted 2018 survey in October 2018

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Activity 6.6 Tasks	Activity 6.6 Status
	<ul style="list-style-type: none"> ▪ Geocoded addresses, but maps have not yet been produced <ul style="list-style-type: none"> ○ Trying to determine if there is another method to gather travelshed data
Participate in local jurisdiction land-use planning processes for station areas	<ul style="list-style-type: none"> ▪ Ongoing
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	<ul style="list-style-type: none"> ▪ Worked with local jurisdictions on the following station developments: <ul style="list-style-type: none"> ○ Broadway/I-25 (Denver) (Ongoing) ○ 29th & Welton (Denver) (Ongoing) ○ 10th & Osage (Denver) (Complete) ○ Olde Town Station (Arvada) (Complete - finalizing parking agreement) ○ Sheridan Station (Denver) (Complete)
Benchmark TOD activity in annual status report and FasTracks Quality of Life study	<ul style="list-style-type: none"> ▪ Released last report October 2019 [See email attachment]
Provide ongoing TOD education and outreach	<ul style="list-style-type: none"> ▪ Ongoing

Activity 6.7 FasTracks Program Management and Planning Assistance

Activity 6.7 Tasks	Activity 6.7 Status
Annual Program Evaluation of the FasTracks program, including revised capital costs, schedule, and preparation of program management plans for FasTracks corridors	<ul style="list-style-type: none"> ▪ Wrapped Annual Program Evaluation into Mid-Term Financial Plan (Formerly SBP) ▪ Approved by RTD Board (October 2018) <ul style="list-style-type: none"> ○ Expect approval of 2020 plan in November 2019
Preparation of FasTracks Change Report(s) for DRCOG	<ul style="list-style-type: none"> ▪ N/A
Other assorted engineering, planning, and environmental activities for FasTracks	<ul style="list-style-type: none"> ▪ Finalizing SH 119 Environmental/Preliminary Engineering Analysis <ul style="list-style-type: none"> ○ Expect completion by November 1, 2019 ▪ Completed First and Last Mile Strategic Plan (June 2019)

Activity 7.1 Develop and Maintain Information Systems

Activity 7.1 Tasks	Activity 7.1 Status
Develop, maintain, and update tools, applications, and visualizations that allow internal and external users to explore and consume information (e.g., TRIPS, the TIP	<ul style="list-style-type: none"> ▪ Organized the processing for crash data, including changing schema and finding a new geocoding method

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Activity 7.1 Tasks	Activity 7.1 Status
webmap, Denver Regional Visual Resources (DRVR), traffic signal webmap)	<ul style="list-style-type: none"> ▪ Updated bicycle route web-map
Develop and maintain tools and applications that enable data exchange among local jurisdictions, regional partners, and DRCOG (e.g., Data Portal, Regional Data Catalog)	<ul style="list-style-type: none"> ▪ Assembled numerous datasets for 2020-2023 TIP applicants ▪ Updated the TRIPS database and hosted a version for Pikes Peak Area Council of Governments ▪ Updated data on web-maps as needed (Traffic Counts, Traffic Signal Briefs etc.)
Develop and distribute informational products at the local and regional level (e.g., Community Profiles, Legislative Profiles)	<ul style="list-style-type: none"> ▪ Continued to distribute informational products ▪ Continued maintenance of the Regional Data Catalog ▪ Initiated project to improve performance of Regional Data Catalog (to fix caching error)
Facilitate forums for data professionals in the region to collaborate on GIS data and information (e.g., Denver Regional Data Consortium)	<ul style="list-style-type: none"> ▪ Hosted Denver Regional Data Consortium (DRDC) meetings (November 2018, March 2019 and July 2019) ▪ Developed and distributed DRDC newsletters (January, April and July)
Collect, compile, and purchase data in support of transportation and land use modeling, travel modeling, performance measurement, and Metro Vision implementation	<ul style="list-style-type: none"> ▪ Organized new approaches for processing for crash data, including changing schema and finding a new geocoding method ▪ Organized revised processing and production of bicycle facility inventory data, including aligning schema with AASHTO guidelines ▪ Collected local data to compile the following regional layers: <ul style="list-style-type: none"> ○ Parks Recreation and Open Space ○ Municipal Boundaries ○ Zoning ○ Parcels ▪ Purchased data including Infogroup Business, Costar Housing, Construction Monitor, and QCEW
Maintain an internal and external data repository	<ul style="list-style-type: none"> ▪ Maintained Regional Data Catalog ▪ Updated data sets to the Regional Data Catalog including: <ul style="list-style-type: none"> ○ Bicycle Facility Inventory ○ Municipal Boundaries ○ Unincorporated Areas ○ Bicycle Share Stations ○ Traffic Crashes ○ Traffic Counts ○ Mode Share Trends ○ Prekindergarten to College 2017

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Activity 7.1 Tasks	Activity 7.1 Status
	<ul style="list-style-type: none"> ○ Bottlenecks 2017 ○ Congested Corridors 2017 ○ Congested Corridors 2040 ○ Nursing Homes ○ Assisted Living Facilities ○ Parks Recreation and Open Space
<p>Coordinate the acquisition of regional datasets through the Denver Regional Data Consortium and Denver Regional Aerial Photography Projects</p>	<ul style="list-style-type: none"> ▪ Completed the Denver Regional Aerial Photography Project (DRAPP) 2018 ▪ Completed the pilot phase of the Land Use Land Cover 2018 dataset ▪ Began processing and delivery of the Regional Planimetric Project 2018 ▪ Began planning for 2020 regional data acquisition projects including DRAPP and Regional Lidar
<p>Perform GIS analysis for decision-support and performance measurement</p>	<ul style="list-style-type: none"> ▪ Developed and tested new methodology for creating EJ zones ▪ Hosted an internal “analysis challenge” to identify data and workflow efficiencies to improve analysis efforts
<p>Maintain internal processes and infrastructure in support of application and tool development</p>	<ul style="list-style-type: none"> ▪ Began a web-map template refresh project to streamline maintenance and development of various web-maps ▪ Upgraded GIS software to ArcGIS Pro and Portal ▪ Upgraded SQL Server
<p>Complete the local data collection and regional dataset creation efforts</p>	<ul style="list-style-type: none"> ▪ Developed regional datasets annually (e.g., regional bike inventory, municipal boundaries, parcels, zoning, etc.)
<p>Partner with the US Census to prepare our local governments for Census 2020, including participating in Local Update of Census Addresses (LUCA) and Participant Statistical Areas Program (PSAP)</p>	<ul style="list-style-type: none"> ▪ Engaged local governments in Census 2020 activities, notably the PSAP program during reporting period ▪ Activities included convening local experts, drafting new tract and block boundaries, soliciting feedback, and submitting data to the Census through established data portals

Activity 7.1 Deliverables	2019
<p>Complete the 2018 DRAPP</p>	<ul style="list-style-type: none"> ▪ Completed the Denver Regional Aerial Photography Project (DRAPP) 2018 (product is only available to partners – until subsequent release)
<p>Complete the Denver Regional Planimetric Project</p>	<ul style="list-style-type: none"> ▪ This project will not be completed until Feb. 2020

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Activity 7.1 Deliverables	2019
Initiate 2020 DRAPP	<ul style="list-style-type: none"> Developed and distributed DRCOG Data Acquisitions 2020/21 (Quotes for Participation)
Submit PSAP data to US Census on behalf of our member governments: https://www.census.gov/geo/partnerships/psap_overview.html	<ul style="list-style-type: none"> Completed in May 2019

Activity 7.2 Land Use Modeling and Forecasting

Activity 7.2 Tasks	Activity 7.2 Status
Maintain and refine UrbanSim model, as needed	<ul style="list-style-type: none"> Initiated transition to UrbanSim Block Model Adapted and compiled data inputs for block model <ul style="list-style-type: none"> performed choice model estimations, calibration, and validation
Implement visualization and planning tools into the land use forecasting process and in support of the implementation of Metro Vision	<ul style="list-style-type: none"> Developed and implemented an approach to better reflect local capacity for growth as zoned and planned in the UrbanSim Block Model Initiated transition to cloud platform for UrbanSim model Developed an interactive web-map to solicit feedback from local governments on preliminary forecasts from the UrbanSim Block Model
Develop and maintain economic forecasting tools in support of UrbanSim	<ul style="list-style-type: none"> Developed socioeconomic forecasts (2040) for RTP conformity modeling cycles Adjusted export script to adapt UrbanSim block model results for use in travel model
Develop and distribute informational products at the local and regional level (e.g., Regional Economic Reports)	<ul style="list-style-type: none"> Produced two data briefs: <ul style="list-style-type: none"> Denver Regional Data Brief: Household growth and housing demand (May 2019) Denver Regional Data Brief: The increasing cost of a home (August 2019)
Support work groups associated with forecasting, modeling, and planning efforts detailed in the UPWP	<ul style="list-style-type: none"> Coordinated directly with NATA Regional Planning, Data Collection and Reporting Sub-Committee to improve forecasting process, including inputs that better reflect recent development activity

Activity 7.2 Deliverables	2019
Determine approach to extending forecast horizon (2040 to 2050) in advance of RTP update, including coordination with state and local partners	<ul style="list-style-type: none"> Initiated coordination activities with state and local partners, including collection and analysis of local comprehensive plans

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Activity 7.2 Deliverables	2019
	<ul style="list-style-type: none"> Released (via web map) preliminary 2050 forecast for public review and comment

Activity 7.3 Transportation Modeling and Forecasting

Activity 7.3 Tasks	Activity 7.3 Status
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	<ul style="list-style-type: none"> Completed model run output files for 2040 MVRTP Amendment and AQ Conformity Cycle 2018 Began test model runs for regional scenario analysis
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	<ul style="list-style-type: none"> Completed updated and validated Focus Version 2.2 in Jan 2019 with several improvements and enhancements Further model code corrections and improvements made in May 2019 (Version 2.2.1)
Incorporate outcomes of the Commercial Vehicle Survey (CVS) into the components of the Commercial Vehicle Travel Model. Examine package delivery travel patterns	<ul style="list-style-type: none"> Developed and used new CV rates in the Cycle 2018 Focus 2.2 model Further modifications being analyzed for updated model: i.e. unique trip rates by CV size (light, medium, heavy) Statistics on overall growth of package deliveries compiled, planned for incorporation into the 2020/21 Statewide Travel Survey
Work with partner agencies (CDOT, RTD, other Colorado MPOs) to evaluate options and prepare for an updated and statewide household travel survey	<ul style="list-style-type: none"> Ongoing, several discussions with CDOT (project lead) DRCOG identified potential funding for the conduct of the survey Reviewed state of the art surveying techniques
Collaborate with CDOT in developing the statewide activity-based (ABM) model	<ul style="list-style-type: none"> Ongoing, via monthly meetings and sharing of files, documents, etc.
Work with RTD to incorporate results of their 2015 system-wide on-board survey and new fare structure into the Focus model	<ul style="list-style-type: none"> Used results from on-board survey in Focus 2.2. model validation
Work with RTD to evaluate methods for improving Focus model ridership forecasts regarding Park-n-Ride and Transit-Oriented Development outcomes	<ul style="list-style-type: none"> Adjusted Focus 2.2 model to correct transit drive-access travel path backtracking Worked closely with RTD and consultant on RTD-led updates to the mode choice model component

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Activity 7.3 Tasks	Activity 7.3 Status
Investigate developing a spatial visualization tool for CVS data	<ul style="list-style-type: none"> On hold
Explore/Evaluate uses and benefits of 2D and 3D ABM visualization tools such as CityPhi (INRO product)	<ul style="list-style-type: none"> On hold
Explore how additional socioeconomic traits or network attributes (e.g., sidewalks) may enhance Focus modeling of bicycle and pedestrian trips	<ul style="list-style-type: none"> Incorporated sidewalk density (data from DRCOG Planimetrics) and Bikeshare Station locations into Mode Choice model coefficients of Focus 2.2
Work with RPD Division on a new methodology for forecasting future school locations	<ul style="list-style-type: none"> Incorporated new future school location methodology and file into Focus 2.2
Evaluate and if cost effective, implement the Highway/Transit Master Network for maintaining different projects	<ul style="list-style-type: none"> Ongoing, in discussions with CDOT on its use in the Statewide Model
2010 Front Range Travel Counts/Household Travel Survey: Further incorporate into Focus model components Collaborate with CDOT to re-estimate the model coefficients	<ul style="list-style-type: none"> Used further 2010 FRTC results in model validation for Focus 2.2
Provide model components and outputs to planning partners, local governments, or consultants conducting NEPA or other studies	<ul style="list-style-type: none"> Provided model data in response to requests from: City of Boulder CV and VMT data; Castle Rock traffic growth; Northglenn VMT; Denver VMT; Erie VMT; Mead VMT; Denver neighborhood travel analysis; Traffic estimates for proposed major development in Denver See section 1.3 for list of studies
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	<ul style="list-style-type: none"> Ongoing

Activity 7.3 Deliverables	2019
Design and implement a new tool to automate the calibration process of the Focus model components	<ul style="list-style-type: none"> Automated unique attributes Created calibration output tables
Complete Focus model runs and output data files used for air quality conformity determinations	<ul style="list-style-type: none"> Completed model runs associated with 2018 RTP amendments and conformity

Activity 7.4 Maintain Transportation and Related Data

Activity 7.4 Tasks	Activity 7.4 Status
Collect and process local government receipts and expenditure data, state, and local roadway inventory data,	<ul style="list-style-type: none"> Collected and processed data Added to the historical database for future planning use

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Activity 7.4 Tasks	Activity 7.4 Status
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	<ul style="list-style-type: none"> ▪ Collected and processed traffic counts
Continuously update the DRCOG website traffic count map to show count data for the last three years	<ul style="list-style-type: none"> ▪ Ongoing
Improve methods for calculations of greenhouse gas and air quality measures	<ul style="list-style-type: none"> ▪ Ongoing
Collect transit ridership, Park-n-Ride lot user data, and other transit-related data from RTD	<ul style="list-style-type: none"> ▪ Ongoing
Obtain bridge and pavement condition data from CDOT and local governments, as needed	<ul style="list-style-type: none"> ▪ Ongoing
Transfer state highway crash data into the DRCOG linear reference system and geocode crashes on non-state roadways	<ul style="list-style-type: none"> ▪ Ongoing
Edit the transportation information database per plan amendment and update various travel model networks staging respectively	<ul style="list-style-type: none"> ▪ Ongoing

Activity 7.4 Deliverables	2019
Conduct the Transportation Improvement Survey	<ul style="list-style-type: none"> ▪ Not conducted