

DRCOG FY 2020 End-of-Year UPWP Status Report

Unified Planning Work Program Activity

October 1, 2019 through September 30, 2020

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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"> • Developed draft activity tracking tool • Used Trello to manage the Regional Planning and Development (RPD) project portfolio • Produced Balanced Scorecard each quarter (e.g. speaking requests, activities with partners, etc.)
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"> • Hired new transportation planner to fill vacant position due to staff promotion • Recruited and filled travel model supervisor position per staff vacancy • Reclassified position on the Regional Planning team (Economist to Senior Economist) • Recruited and filled Planner 1 in Mobility Analytics Program per staff vacancy • Recruited and interviewed for assistant planner position • Recruited and filled division assistant position

Activity 1.2 DRCOG Staff Training and Development

Activity 1.2 Tasks	Activity 1.2 Status
Provide training in-house and offsite for DRCOG staff, including a new in-house training module, Go1/Auzmor	<ul style="list-style-type: none"> • Participated in in-house and off-site trainings: <ul style="list-style-type: none"> ○ Management classes for promoted staff member ○ Launched a new online learning management system for staff ○ Attended International Association for Public Participation’s “Planning and Techniques of Public Participation” training ○ Group Facilitation Skills ○ ArcPro Training

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Activity 1.2 Tasks	Activity 1.2 Status
Attend webinars	<ul style="list-style-type: none"> • Attended webinars including: <ul style="list-style-type: none"> ○ MPO GIS ○ ArcGIS Pro training series ○ GCoM USA Helpdesk webinar series ○ Multiple best practices of public engagement webinars ○ Transportation in the Coronavirus Era ○ APA Rapid Response Briefing ○ Engaging for Equity in a World with COVID-19 ○ FHWA Integrated Corridor Management ○ Columbus, Ohio Smart Cities ○ Talking TIM Webinar Series ○ Recovery in the Mountain West ○ Rocky Mountain Land Use Institute RoundUP series ○ Metro-scale Climate Leaders Coordination (multiple) ○ Defining MOD and What it Means for Transportation ○ FHWA Data Business Planning National Workshop ○ How do Cities Interact with Shared Mobility? ○ OMF Basics: Policy API
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"> ○ AARP Placemaking Workshop ○ Rocky Mountain Land Use Institute annual conference ○ State Demography Summit ○ 2020 Transportation Research Board Annual Meeting ○ Moving People Forward ○ FHWA MPO Peer-Exchange on Vision Zero ○ CDOT TIM Conference ○ CommuteCon ○ State/Local Alignment Towards Zero Traffic Deaths ○ FHWA Bikeway Selection Guide ○ FHWA Pedestrian Safety Workshop

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Activity 1.3 Unified Planning Work Program

Activity 1.3 Tasks	Activity 1.2 Status
Manage and administer the FY2020-2021 Unified Planning Work Program	<ul style="list-style-type: none"> Amended the FY2020-2021 UPWP twice

Activity 1.3 Deliverables	2020
Prepare FY 2019 UPWP end-of-year report	<ul style="list-style-type: none"> Completed and distributed end-of-year report
Prepare FY 2020 UPWP mid-year report	<ul style="list-style-type: none"> Completed and distributed mid-year report

Activity 2.1 MPO Compliance

Activity 2.1 Tasks	Activity 2.1 Status
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 9 Regional Transportation Committee (RTC) meetings, 9 Transportation Advisory Committee (TAC) meetings (plus 2 TAC Work Sessions), 11 DRCOG Board meetings, 5 Board Work Sessions, 9 Agency Coordination Team (ACT) meetings, and 10 (air quality) Interagency Coordination Group (ICG) meetings Prepared ~400 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"> Lead role in coordinating nation-wide AMPO GIS meetings Serve on the Executive Committee of the APA Regional and Intergovernmental Planning Division. The Division's work program is focused on building and strengthening relationships among the nation's regional planning organizations (COGs/MPOs) Serve on TRB Standing Committee on Transportation Planning Policy and Processes (AEP10) Hosted approximately a dozen other MPOs for a multi-day conference on land use modeling tools
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 ACT/ICG meetings and independent ICG meetings Attended CDOT R1 and R4/DRCOG quarterly meetings
Incorporate guidance of state and federal agencies on the regional transportation planning process	<ul style="list-style-type: none"> Completed conversations with federal partners on proposed adjustments to the RTP amendment process to provide greater clarity to non-air quality conformity project changes Monitored proposed updates to CDOT's "1601 Interchange Approval" process

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Activity 2.1 Tasks	Activity 2.1 Status
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"> No activity during the reporting period
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"> Internally reviewed items from the 2016 review prior to the beginning on the 2020 review and provided a status report on all items to FHWA/FTA staff
Participate on joint FHWA and FTA Quadrennial Review of the MPO Planning Process	<ul style="list-style-type: none"> Participated in the 2020 Quadrennial Review, including virtual site visit and prep, public engagement, several subcommittees and work products following the site visit, and related activities

Activity 2.1 Deliverables	2020
Metropolitan Planning Agreement between DRCOG, CDOT, and RTD	<ul style="list-style-type: none"> The most recent agreement was executed in May 2018. It is required to be reviewed at least every four years

Activity 2.2 Public Engagement and Outreach

Activity 2.2 Tasks	Activity 2.2 Status
Conduct forums, meetings, workshops, and others to gather input and/or inform the public regarding major planning products identified in the UPWP	<ul style="list-style-type: none"> Denver Regional Climate Plan Workshop (hosted by DRCOG on behalf of partners) Imagine a Great Region: Inclusive economic growth for the Denver region Mile High Advantage: The region's dynamic outdoor environment Local agency meetings for Regional Vision Zero plan Convened two new advisory groups for the 2050 MVRTP update: A Civic Advisory Group and a Youth Advisory Panel. Held two meetings to solicit input from each group Conducted MVRTP and Regional Vision Zero outreach at the Colorado Transportation Summit
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 public comment periods for the Regional Vision Zero plan and Regional Multimodal Freight plan in mid-March Held a public hearing for a proposed amendment to the 2040 MVRTP in mid-June
Inform the public of adopted documents, program amendments, and opportunities to offer comments via DRCOG's website	<ul style="list-style-type: none"> The public was informed about opportunities to provide comment through eblasts, the DRCOG website, and DRCOG social media pages
Hold the Citizens' Academy, a program to educate participants about regional issues and empower them to participate in civic decision-making	<ul style="list-style-type: none"> Held a seven-week (in-person) Citizens' Academy with nearly 40 participants and bringing in over 20 different local experts to

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Activity 2.2 Tasks	Activity 2.2 Status
	<p>speaking about pressing regional issues, including transportation</p> <ul style="list-style-type: none"> • Initiated seven-week (virtual) Citizens' Academy with 30 participants. Previously admitted spring 2020 participants were provided option to participate in virtual Academy, or to postpone until spring 2021 <ul style="list-style-type: none"> ○ Note: spring 2020 Academy (April-May 2020) canceled due COVID-19/stay at home orders
<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"> ○ Alzheimer's Association (Oct-19) ○ AMPO/FHWA GIS Working Group (Oct-19 webinar) ○ Metro Denver Nature Alliance – Fall 2019 convening (Oct-19) ○ Denver-Boulder Regional Climate Action Planning Workshop (Oct-19) ○ Boomer Bond Overview – Commerce City staff (Oct-19) ○ Metro Vision 2020 – A Retrospective: Denver Metro Chamber of Commerce (Oct-19) ○ Future of Metro Denver: Where We've Been and Where We're Headed – Bike Jeffco ○ Denver Streets Partnership ○ Academy for Lifelong Learning (Oct-19 and Oct 31) ○ Housing Supply and Demand: Why the disequilibrium? Impacts on households and potential solutions – State Demography Summit (Nov-19) ○ UrbanSim Users Conference (Nov-19) ○ Moving Forward: UsingBuilt Environment Learning Series: Connecting Transportation to Connect People to Places (Nov-19) ○ Boomer Bond and Commerce City – Senior Commission (Nov-19) ○ GIS Colorado – Winter Meeting (Jan-20) ○ Build Environment Learning Series: Transportation and Health (Jan-20) ○ Together We Count – Counting Older Adults in the 2020 Census webinar (Feb-2020) ○ Inter-Neighborhood Cooperation's Transportation Committee

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Activity 2.2 Tasks	Activity 2.2 Status
	<ul style="list-style-type: none"> ○ Regional Data Projects – given to the Special District Association in December 2019 ○ Regional Data Projects – given to DOLA in February 2020 ○ Regional Data Projects – given to GIS Colorado in January 2020
<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 ○ Regional Vision Zero ○ Regional Transportation Plan, 2050 MVRTP, and 2050 MVRTP Public Engagement ○ Advanced Mobility Partnership (AMP) ○ Active Transportation Plan ○ Regional Complete Streets Toolkit
<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"> • Produced interactive maps that captured public comment on Regional Vision Zero and Regional Multimodal Freight Plans • Researched multiple online public engagement platforms, ultimately selecting Social Pinpoint to support online engagement efforts • Obtained new in-meeting polling software, Mentimeter, to support participation • Created first three online engagement pages using Social Pinpoint to solicit feedback for the Regional Vision Zero plan, Regional Multimodal Freight plan, and Complete Streets Toolkit
<p>Maintain and update DRCOG's plans and documents addressing public involvement, environmental justice, and Title VI/Limited English proficiency</p>	<ul style="list-style-type: none"> • Trained DRCOG staff on our Limited English Proficiency plan and procedures in fall 2019
<p>Implement engagement and outreach strategies identified in the updated Public Engagement Plan</p>	<ul style="list-style-type: none"> • Implemented a variety of different engagement and outreach strategies for the MVRTP, Regional Vision Zero, and Multimodal Freight Plan, including interactive online mapping, paid social media advertising, surveys, creation of new advisory groups, and online engagement tool development, as outlined in the Public Engagement Plan
<p>Evaluate the effectiveness of public engagement efforts</p>	<ul style="list-style-type: none"> • Developed an annual report of DRCOG's public engagement activities for 2019. This report includes an evaluation section which analyzes the effectiveness of our engagement

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Activity 2.2 Tasks	Activity 2.2 Status
	efforts undertaken based on the criteria adopted in our public engagement plan
As requested, conduct DRCOG-led short courses on Metro Vision and the transportation planning process	<ul style="list-style-type: none"> • None during this period

Activity 2.2 Deliverables	2020
Summaries of public meetings, hearings, and workshops	<ul style="list-style-type: none"> • Public Engagement 2019 Annual Report

Activity 2.3 Local Government and Stakeholder Education, Outreach, and Support

Activity 2.3 Tasks	Activity 2.3 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"> • Presented to CU Denver course on “Regional Growth and Equity” on “Regional Transportation Planning, Micromobility, and Vision Zero” • Presented to Citizens Academy on regional transportation planning and Complete Streets • Assisted University of Utah research team with Denver region case study (federally funded study of polycentric development – also featuring Portland and Seattle regions) • Met with: <ul style="list-style-type: none"> ○ Smart Commute Metro North ○ University of Denver class ○ Met with Denver Streets Partnership to discuss future Metro Vision plan amendment ○ City of Westminster ○ RAQC – Conformity 101
Meet with local governments about their transportation planning issues and needs	<ul style="list-style-type: none"> • Attended Subregional Forums
Meet with local governments, and their planning and development partners, about local planned growth and development patterns	<ul style="list-style-type: none"> • Virtual meeting with Jefferson County planning staff to discuss coordination with DRCOG staff, committees, and other planning project opportunities • Met with Douglas County city and county managers to discuss tools to better capture local growth and development data • Met with Castle Pines to provide overview of new Boomer Bond assessment model • Coordination meeting with Arapahoe County to assist county planning staff with upcoming sub-area planning activities, with an emphasis on planning for older adults • DRCOG orientation meeting with Town of Bennett (Planning Director) • Met with City of Louisville (elected official) on growth and development issues, including

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Activity 2.3 Tasks	Activity 2.3 Status
	<p>overview of efforts to develop small-area forecasts</p> <ul style="list-style-type: none"> • Virtual meetings with local governments to review preliminary 2050 small area forecast and gather additional feedback needed to complete final product (e.g. additional planning and development information). <ul style="list-style-type: none"> ○ Arvada ○ Aurora ○ Castle Pines ○ Commerce City ○ Denver ○ Lakewood ○ Littleton ○ Thornton
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 • Attended subregional technical committees and forums to inform them of ongoing DRCOG activities • Assisted on Thornton Transportation Master Plan • Participated on Denver’s EV Steering Committee • Participated on CDOT’s Emerging Mobility Impact Study Policy Committee • Attended STRAC
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"> • Maintained webpages (including factsheets) for data acquisition projects (<u>imagery</u>, <u>lidar</u>, <u>planimetric data</u>, <u>land use land cover</u>) • <u>Updated Legislative Profiles</u> • <u>Denver Region Data Brief - Migration</u> • <u>Denver Region Data Brief - Covid-19’s effect on workers</u>
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"> • Held three Data Consortium meetings. <u>Data Consortium meeting materials</u> • Metro Denver Nature Alliance (DRCOG assisting with outreach to local governments on regional open space plan) • Held Quarterly Managers Forums
Facilitate/host webinars and other educational events	<ul style="list-style-type: none"> • Webinars: <ul style="list-style-type: none"> ○ Congestion in the Denver Region ○ Great Places in Colorado: Olde Town Arvada ○ Blueprints for change: finding planning and economic development solutions through collaboration

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Activity 2.3 Tasks	Activity 2.3 Status
	<ul style="list-style-type: none"> • Regional Climate Action Planning (DRCOG hosting workshops and assisting with outreach/engagement) • Regional Solid Waste Planning Workgroup (DRCOG hosting workshops and assisting with outreach/engagement) • Partnered with APA-Colorado to offer weekly COVID-19 Town Hall webinars (April 2020) • Host Mobility Data Specification Workshop

Activity 2.4 Interregional, Regional, and Corridor Planning Coordination

Activity 2.4 Tasks	Activity 2.4 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; coordinate with neighboring MPOs on growth and development forecasting	<ul style="list-style-type: none"> • Coordinated with other MPOs and TPRs • Attended all statewide MPO and STAC meetings
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
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 information for: <ul style="list-style-type: none"> ○ Local Plans: Louisville, Thornton, Boulder County, Denver, Westminster, and Littleton ○ Studies: Denver River Mile, Santa Fe Streetscape, I-70 System Interchanges (Harvest, Watkins), Jefferson Parkway, E-470, Reimagine RTD, SH-52, and N. I-25 T&R
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"> • Participated on 4 meetings of the Colorado Transportation Environmental Resource Council (TERC) • Attended, provided information for, or monitored regional planning efforts, including: <ul style="list-style-type: none"> ○ US-85 N Interchanges, Belleview EA, Kipling/I-70 EA, Colorado Express Lanes Master Plan, 88th Ave. EA, I-70 East System Interchanges, I-25 Central Corridor, 1601s (Harvest, AirPark-Watkins), Front Range Rail EIS, I-270 Traffic Study and NEPA, Floyd Hill, SH-52 PEL, Vasquez

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	NEPA, Santa Fe Dr. PEL, C-470 NEPA, Jeffco Trails Plan
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), the SW Chief & Front Range Passenger Rail Commission, 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)
Participate in regional transportation funding initiative	<ul style="list-style-type: none"> • Attended meetings with Metro Mayors Council and others regarding potential regional transportation strategies, needs, and options

Activity 2.5 Performance Measure Reporting

Activity 2.5 Tasks	Activity 2.5 Status
Compile data associated with performance measures for PM1, PM2, PM3, TAM, and PTASP	<ul style="list-style-type: none"> • Compiled and analyzed data received from CDOT for FHWA Fast Act performance measures • Developed data in support of Metro Vision performance measures (measure reporting in April 2020)
Work with CDOT, RTD, FHWA, and FTA to set or revise targets and develop baselines for each FAST Act-required performance-based planning measure for the DRCOG MPO Planning Area	<ul style="list-style-type: none"> • Adopted 2020 PM1 Safety targets • Coordinated with CDOT on reevaluation of DRCOG-supported PM targets
Prepare performance measure reports, and/or assist CDOT with preparing performance measure reports, for FAST Act performance measures	<ul style="list-style-type: none"> • Completed the CMAQ Mid-Period 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 the CMAQ Mid-Period Performance Plan

Activity 2.5 Deliverables	2020
Establish FAST Act-required performance measures	<ul style="list-style-type: none"> • Prep work begins in Spring 2021

Activity 2.6 Air Quality Conformity

Activity 2.6 Tasks	Activity 2.6 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 • Assisted with modeling analyses for inventory and emission calculations for Ozone SIP • Monitored and provided assistance on state efforts associated with HB-1261 and the Greenhouse Gas Roadmap

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Activity 2.6 Tasks	Activity 2.6 Status
	<ul style="list-style-type: none"> Worked with the RAQC and state on potential transportation control strategies and GHG measures and targets
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"> Hosted 9 ICG meetings
Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC)	<ul style="list-style-type: none"> Ongoing Began process to secure updated commitments from entities, in association with the new 2050 MVRTP
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 MVRTP	<ul style="list-style-type: none"> No amendments conducted See Activity 3.3 for 2050 MVRTP conformity activities
Provide travel model data results in support of air quality conformity analyses	<ul style="list-style-type: none"> No conformity cycle conducted
Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments to the MVRTP	<ul style="list-style-type: none"> No conformity cycle conducted
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
Assist with local analyses of emissions, greenhouse gases, and other air quality topics	<ul style="list-style-type: none"> Assisted Louisville, Broomfield, Northglenn, and Boulder

Activity 2.6 Deliverables	2020
Annual Conformity Determination Reports	<ul style="list-style-type: none"> Nothing within the reporting period

Activity 3.1 Metro Vision Plan – Collaboration and Implementation Assistance

Activity 3.1 Tasks	Activity 3.1 Status
Collect, compile, and purchase data in support of Metro Vision collaboration and implementation activities	<ul style="list-style-type: none"> Purchased employment data from QCEW and Infogroup in support of Metro Vision metrics Purchased Costar real estate data in support of Metro Vision metrics Completed the 2020 annual data collection for gathering information from local governments
Develop and provide decision-support tools to local jurisdictions, regional partners, and the public	<ul style="list-style-type: none"> Updated <u>Legislative Profile</u> visualizations <u>Rebuilt webmaps</u> on the Regional Data catalog

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Activity 3.1 Tasks	Activity 3.1 Status
Provide individualized technical assistance to communities for the purposes of implementing Metro Vision	<ul style="list-style-type: none"> • Provided socioeconomic inputs to consultant running travel model after they adjusted growth assumptions during the development of the Westminster Comprehensive Plan • Provided guidance on data available for analysis for studies by Parker, Broomfield, and Westminster
Work with local governments and other stakeholders to form issue- and/or geography-based cohorts to identify and pilot initiatives affecting growth, development, economic vitality, and quality of life	<ul style="list-style-type: none"> • Discussion with city/county managers from Douglas County jurisdictions regarding a potential collaborative effort to track and/or visualize growth and development • Assisted RTD with research on eTOD policies across the country, with an emphasis on aligned MPO and local government policies and strategies (i.e. Boston, Los Angeles, Seattle, etc.)
Participate on steering committees, advisory groups, leadership teams, etc. for aligned organizations and initiatives; participate in regional partnerships that advance Metro Vision outcomes and objectives	<ul style="list-style-type: none"> • Staff served on: <ul style="list-style-type: none"> ○ Metro DNA executive and steering committees ○ ULI Colorado TOD Committee ○ American Planning Association – Regional and Intergovernmental Planning Division (Exec. Committee) ○ Geospatial Skills Study (co-founding member) ○ GIS in the Rockies Conference Board of Directors
Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes (e.g. Metro Vision Idea Exchanges)	<ul style="list-style-type: none"> • Conducted remote versions of Metro Vision Idea Exchanges: <ul style="list-style-type: none"> ○ Webinar: Congestion in the Denver Region (Dec-19) ○ Webinar: Great Places in Colorado: Olde Town Arvada (Oct-19) ○ Webinar: Blueprints for change: finding planning and economic development solutions through collaboration ○ Webinar: Local and Regional Strategies to Achieve Vision Zero ○ Webinar: Telework in the new normal for the Denver region • Conducted in-person Metro Vision Idea Exchanges in partnership with CU-Denver: <ul style="list-style-type: none"> ○ Imagine a Great Region: Inclusive economic growth for the Denver region ○ Mile High Advantage: The region’s dynamic outdoor environment • Partnered with Longmont and ULI-Colorado to host Technical Advisory Panel (Aug-20)

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Activity 3.1 Tasks	Activity 3.1 Status
	<ul style="list-style-type: none"> ○ Organized several stakeholder workshops to develop grant application to support regional waste diversion planning – including efforts to identify waste diversion infrastructure needed to reduce distances traveled
Coordinate with local governments on member-sponsored plan amendments (e.g., new urban centers, other policy amendments)	<ul style="list-style-type: none"> • No amendments were proposed due to the ongoing 2050 plan update process
Develop Metro Vision plan amendments that ensure consistency between 2050 Metro Vision Regional Transportation Plan and Metro Vision (e.g. new/revised measures, targets and initiatives)	<ul style="list-style-type: none"> • Used Metro Vision 2040 targets as performance metrics in scenario analysis in support 2050 MVRTP in anticipation of future discussion of amendments • Developed overall strategy to ensure consistency between Metro Vision amendments that are informed by 2050 MVRTP, including new/revised measures and targets
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"> • Helped Boulder and Castle Pines initiate a Boomer Bond assessment • Conducted Boomer Bond program evaluation, including interviews with 17 of 18 communities that have completed assessment. Evaluation will shape future methods and approaches to conduct assessments and DRCOG's role in advancing age-friendly community initiatives in the region
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 or other locally designated priority areas for population and employment growth	<ul style="list-style-type: none"> • No activity during reporting period

Activity 3.1 Deliverables	2020
Amendments (if any) to Metro Vision	<ul style="list-style-type: none"> • No amendment process during reporting period (holding amendments until RTP-related amendment cycle)

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"> • Published regional data briefs highlighting challenges in the region • Revamped the Performance Measure Status report section of metrovision.drcog.org • Published most recent observations for <u>Metro Vision performance measures</u>

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Activity 3.2 Tasks	Activity 3.2 Status
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"> Published a new Parks, Recreation, and Open Space GIS layer to the Regional Data Catalog Created new Housing and Employment datasets for Metro Vision metrics Completed regional sidewalk width analysis
Collect, compile, and purchase data in support of Metro Vision performance measurement	<ul style="list-style-type: none"> Purchased employment data from QCEW and Infogroup in support of Metro Vision metrics Completed the 2020 annual data collection for gathering information from local governments
Develop and maintain tools and applications that enable data exchange among local jurisdictions, regional partners, and DRCOG	<ul style="list-style-type: none"> Maintained and updated the Regional Data Catalog
Develop, maintain, and update the Denver Regional Visual Resources (DRVR) that allow internal and external users to explore and consume information	<ul style="list-style-type: none"> Updated <u>Legislative Profile</u> visualizations
Survey local governments, the public, and other stakeholders to understand local and regional planning challenges, opportunities, and needs	<ul style="list-style-type: none"> Interviewed local governments that participated in Boomer Bond assessments about program improvements
Work with local governments, the public, and other stakeholders to understand the need for data, tools and other enhancements that improve the ability to explore, consume, and contribute to regional data products	<ul style="list-style-type: none"> Completed Data Acquisition Survey to understand local government and public partner needs for planimetric and landcover data Surveyed users of DRCOG webmaps to inform an upcoming project to rebuild the maps with newer technology
Develop and provide information on key economic trends influencing the region's forecasted growth	<ul style="list-style-type: none"> Presented on projected housing demand at the State Demography Summit Met with city/town/county managers in Douglas County to discuss how their plans and approvals affect forecasts of growth
Support regional and local scenario analysis, including impacts of alternative land use and development patterns	<ul style="list-style-type: none"> Supported scenario analysis as a part of the development of the 2050 MVRTP Presented initial scenario analysis to DRCOG Board and committees

Activity 3.2 Deliverables	2020
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"> Launched improvements to metrovision.drcog.org with a <u>new resources directory</u>
Metro Vision 2020 retrospective	<ul style="list-style-type: none"> Developed Metro Vision 2020 retrospective presentation (delivered in-full, or in-part, to multiple groups during reporting period)
Perspectives on Transit scoping and approach alternatives	<ul style="list-style-type: none"> No activity during the reporting period (project on hold due to Covid-19 impacts on transit ridership)
Regional research briefings	<ul style="list-style-type: none"> <u>Denver Region Data Brief - Migration</u>

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- [Denver Region Data Brief - Covid-19's effect on workers](#)

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"> • Processed and obtained Board adoption (July 2020) on one 2040 MVRTP amendment • Initiated and held several meetings of an interagency workgroup (DRCOG, CDOT, RTD, FHWA, FTA) focused on amendment procedures and fiscal constraint issues associated with DRCOG's MVRTP planning process
Prepare and implement a proactive and robust public and stakeholder engagement plan and process for the 2050 MVRTP	<ul style="list-style-type: none"> • Held 2 meetings with the Youth Advisory Panel (YAP) and Civic Advisory Group (CAG) to present on the development of the 2050 MVRTP • Conducted several public and stakeholder engagements with Local Coordinating Councils, civic groups, and others to solicit input for the Coordinated Transit Plan • Completed and published results of Phase I public engagement activities • Presented at several county transportation forums • Presented at several committee and Board meetings • Presented to City of Littleton and Downtown Democratic Forum
Prepare 2050 land use/socioeconomic forecasts	<ul style="list-style-type: none"> • Prepared a regional 2050 land use forecast of households and employment under regional control totals for use in scenario analysis (future forecast products will use county-level control totals) • Completed final 2050 small-area forecasts (households and employment)
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"> • Solicited local governments, CDOT, etc. regarding proposed changes to the Regional Roadway System, locally funded projects, and vision projects
Conduct scenario planning analyses to test land use/urban form and multimodal transportation investment priorities	<ul style="list-style-type: none"> • Developed, defined, coded, and analyzed transportation and land use scenarios for 2050 household and employment distribution • Presented findings to several committees and the Board. Produced final summary report
Collaborate with CDOT, RTD, and other stakeholders to finalize 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"> • Worked with CDOT and RTD on reasonably expected revenues and expenditures through 2050

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Activity 3.3 Tasks	Activity 3.3 Status
Define expenditures and allocate revenues and expenditures to projects and project categories	<ul style="list-style-type: none"> Worked with CDOT and RTD (2050 MVRTP interagency process) to develop a 2050 projects and program investment strategy framework
Identify fiscally constrained regionally significant roadway, interchange, and rapid transit capacity projects	<ul style="list-style-type: none"> Working through the 2050 MVRTP interagency process to finalize fiscally constrained project investments for November DRCOG Board action
Provide travel model data results in support of 2040 Metro Vision Regional Transportation Plan (MVRTP) amendments and the 2050 MVRTP	<ul style="list-style-type: none"> Travel model outputs were a key component of scenario outcome assessment activities and the evaluation of proposed major transportation projects (in concert with Congestion Management results)
Complete travel model and air quality conformity modeling analyses for the draft fiscally constrained network	<ul style="list-style-type: none"> Conducted several model runs to validate several component updates and prepare for upcoming conformity model runs
Prepare the 2050 MVRTP document to address all federal requirements and document the planning process and recommended plan	<ul style="list-style-type: none"> Began preparing a document framework and schedule; held initial discussion with FHWA/FTA
Conduct a public hearing and adopt the 2050 MVRTP	<ul style="list-style-type: none"> No activity during the reporting period
Prepare Regional Complete Streets Toolkit that provides best practices for context-sensitive local street designs that support multi-modal access	<ul style="list-style-type: none"> Project anticipated to begin in late June
Complete the DRCOG Regional Multimodal Freight Plan derived from CDOT's Statewide Multimodal Freight Plan	<ul style="list-style-type: none"> Plan adopted in May 2020
Incorporate the DRCOG Regional Multimodal Freight Plan and Active Transportation Plan into the 2050 MVRTP	<ul style="list-style-type: none"> Anticipated after adoption
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"> Not needed during this reporting period
Participate in Freight Advisory Council meetings	<ul style="list-style-type: none"> Participated in FAC meetings

Activity 3.3 Deliverables	2020
Amendments (if any) to the 2040 MVRTP	<ul style="list-style-type: none"> Completed an amendment to the 2040 MVRTP
DRCOG Regional Multimodal Freight Plan	<ul style="list-style-type: none"> See above
Baseline small area forecasts of population, households, and employment to 2050	<ul style="list-style-type: none"> Small-area forecast completed and added to Regional Data Catalog
Regional Complete Streets Toolkit	<ul style="list-style-type: none"> Project kickoff meeting August 2020

Activity 3.4 Pedestrian and Bicycle Planning

Activity 3.4 Tasks	Activity 3.4 Status
Monitor progress on TIP-funded and other bicycle and pedestrian projects	<ul style="list-style-type: none"> Ongoing

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Activity 3.4 Tasks	Activity 3.4 Status
Maintain facility inventory and mapping products for bicycle facilities in the Denver region. Monitor new sources, methodologies and applications for providing information	<ul style="list-style-type: none"> Continued to update and maintain bicycle facility inventory Rebuilt the Regional Bike Routes Webmap
Collect regional bicycle facility counts	<ul style="list-style-type: none"> Included bicycle facility counts in the GIS Data Annual Request from local governments The collection of counts is ongoing Began creating a webmap template for displaying bike counts data
Develop resources and training to share bicycle facility inventory schema with regional partners	<ul style="list-style-type: none"> The bicycle facility inventory is available for download from the Regional Data Catalog New interactive map – Denver Regional Bicycle Map Presented at Data Consortium meeting
Continue regional active transportation meetings/summits to facilitate communication and provide educational opportunities	<ul style="list-style-type: none"> Hosted FHWA Bikeway Design Guide Workshop Hosted FHWA Pedestrian Safety Workshop
Respond to requests for assistance regarding local pedestrian and bicycle planning topics and projects	<ul style="list-style-type: none"> Ongoing
Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region	<ul style="list-style-type: none"> Ongoing
Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested	<ul style="list-style-type: none"> Ongoing participation, no project selection process during this timeframe
Maintain a performance tracking report on TIP-funded bicycle and pedestrian projects	<ul style="list-style-type: none"> Completed Fall 2019 and 2020 TIP-funded active transportation project update
Activity 3.4 Deliverables	2020
Regional bicycle count data management plan	<ul style="list-style-type: none"> Collecting data from local jurisdictions
Regional bicycle facility counts	<ul style="list-style-type: none"> Counts put on hold this year due to COVID-19

Activity 4.1 Prepare Transportation Improvement Program

Activity 4.1 Tasks	Activity 4.1 Status
Prepare an assessment of the 2020-2023 dual model TIP process	<ul style="list-style-type: none"> Worked with a CU grad student to prepare an assessment comparing this TIP cycle with ones in the past on numerous metrics. Prepared a draft whitepaper and began to inform DRCOG committees
Work with project sponsors, CDOT, and RTD to rollover all appropriate 2020-2023 TIP projects and funding to a new 2022-2025 TIP document	<ul style="list-style-type: none"> Initiated the process to update the 20-23 TIP to the 22-25 TIP
Prepare a 2022-2025 TIP document for committee review and Board adoption in Summer 2021	<ul style="list-style-type: none"> Initiated the process to update the 20-23 TIP to the 22-25 TIP with anticipated April 2021 adoption

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Activity 4.1 Deliverables	2020
2020-2023 dual model TIP process assessment	<ul style="list-style-type: none"> See above. Staff is currently reviewing the draft whitepaper with the DRCOG committees

Activity 4.2 Transportation Improvement Program Set-Aside Selections

Activity 4.2 Tasks	Activity 4.2 Status
Set call for project procedures for each set-aside	<ul style="list-style-type: none"> Each of the set-aside project selection processes have taken place
Conduct appropriate calls once procedures are adopted by the DRCOG Board	<ul style="list-style-type: none"> See above
Ensure selected projects are incorporated into the adopted TIP	<ul style="list-style-type: none"> All processes that have taken place have been incorporated

Activity 4.2 Deliverables	2020
Adopt policies, procedures, and projects for the TDM non-infrastructure and Regional Transportation Operations and Technology Set-Asides	<ul style="list-style-type: none"> See above RTO&T Set-Aside process completed with approval of selected projects in September 2020 Hosted CMPI Set-Aside Orientation

Activity 4.3 Transportation Improvement Program Management

Activity 4.3 Tasks	Activity 4.3 Status
Prepare amendments and monthly administrative modifications to the 2020-2023 TIP and the subsequent 2022-2025 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"> Ongoing
Conduct appropriate project programming activities when additional revenues are made available or decreased	<ul style="list-style-type: none"> The waiting list protocol process was put on hold until later in 2020 due to COVID-19
Provide financial and project coordination assistance to implementing agencies and project sponsors	<ul style="list-style-type: none"> Provided assistance to project sponsors, as necessary. Held special COVID-19 discussions with forums to assist in project development
Conduct activities with CDOT and local governments to continuously refine the IGA and contracting processes	<ul style="list-style-type: none"> Met with CDOT Region 1 to discuss the 20-23 TIP outcomes and how we may refine the IGA and contracting process. DRCOG will continue to hold similar discussions with other CDOT departments and RTD
Monitor the progress status and results of TIP projects	<ul style="list-style-type: none"> Prepared the FY19 project delay report and prepared the FY20 mid-year report. Gathered the project status on those affected by COVID-19 and surveyed ways that DRCOG can assist with delays

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Activity 4.3 Tasks	Activity 4.3 Status
Develop, maintain, and update the TRIPS project database and TIP web map	<ul style="list-style-type: none"> Serving on steering/advisory committees for FY19 STAMP/UC studies (Boulder and Englewood) Ongoing maintenance and updates

Activity 4.3 Deliverables	2020
Prepare FY 2019 Projects Delayed Report	<ul style="list-style-type: none"> Adopted by the Board in December 2019, amended in February
Prepare FY 2019 Annual Listing of Obligated Projects	<ul style="list-style-type: none"> Board reviewed and posted to the DRCOG TIP website in December 2019

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"> Updates to traffic count data completed
Update formulas and factors for delay calculations, as needed. Evaluate new data sources and methodologies (e.g., INRIX, HERE, StreetLight)	<ul style="list-style-type: none"> Ongoing Conducted special analyses of traffic volume changes associated with COVID-19 pandemic impacts
Prepare public information and outreach documents and presentations, including summaries of CMP data	<ul style="list-style-type: none"> Webinar: Congestion in the Denver Region Presentation prepared for committees and Board. Responded to several media inquiries
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"> Tracking spreadsheet updated
Review CMP per recommendation of 2016 Federal Planning Certification Review	<ul style="list-style-type: none"> Documentation prepared and presented for 2020 Certification Review

Activity 5.1 Deliverables	2020
CMP Project Tracking Report summarizing status and results of congestion mitigation projects funded in the TIP and completed by FY 2018	<ul style="list-style-type: none"> Tracking Spreadsheet updated
Annual Report of Traffic Congestion in the Denver Region	<ul style="list-style-type: none"> Completed and presented 2018 report Completed 2019 report and set to present to committees in October 2020

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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 Set-Aside, including activities of the Regional TDM Program	<ul style="list-style-type: none"> ongoing
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"> Coordination with Transportation Solutions Southeast Denver Station Area Mobility Hubs study (FY19 STAMP/UC)
Coordinate TDM project benefit calculation methodology and training with regional and statewide partners	<ul style="list-style-type: none"> No activity during the reporting period

Activity 5.2 Deliverables	2020
Evaluate results of past TDM set-aside and TDM services projects	<ul style="list-style-type: none"> TDM projects evaluated as part of annual CMAQ benefits reporting

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 eight 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"> Extensive coordination with CDOT and FHWA to incorporate Systems Engineering Analyses into project management processes
Assist project sponsors with DRCOG Regional ITS Architecture and other transportation technology project implementation, as requested	<ul style="list-style-type: none"> Ongoing
Maintain the DRCOG Regional ITS Architecture	<ul style="list-style-type: none"> Prepared update in conjunction with the RTO&T set-aside call-for-projects
Monitor and participate on national, state, regional, and local mobility technology efforts	<ul style="list-style-type: none"> Participated in the OMG and SAE Working groups to develop mobility data guidelines Ongoing monitoring of TIP transportation technology projects
Monitor and participate on transportation incident management committees’ efforts	<ul style="list-style-type: none"> Attended three traffic incident management (TIM) team meetings (including after action reviews [AAR] and table-top exercises) Attended Annual State Traffic Incident Management Conference Member of Colorado Standing Committee on First Responder Safety
Incorporate technology and operations strategies into the Congestion Management Process analyses, measures, and public information products	<ul style="list-style-type: none"> Ongoing; tactical action identified in Mobility Choice Blueprint
Maintain and update Regional Transportation Operations and other applicable DRCOG web site pages	<ul style="list-style-type: none"> Ongoing

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Activity 5.3 Tasks	Activity 5.3 Status
Develop, maintain, and update the traffic signal web map	<ul style="list-style-type: none"> Updated the traffic signal webmap with an additional year of projects
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"> Coordination between RTO and AMP highlighting regionally coordinated TMCs

Activity 5.3 Deliverables	2020
Update RTO&T Improvement Program with projects using available funds identified in the RTO&T set-aside of the DRCOG 2020-2023 TIP	<ul style="list-style-type: none"> RTO&T Set-Aside process completed with approval of selected projects in September 2020
Annual update to the DRCOG Regional ITS Architecture	<ul style="list-style-type: none"> Annual update being published for the RTO&T set-aside call-for-projects
Regional Transportation Operations and Technology Plan	<ul style="list-style-type: none"> Ongoing; output from call-for-projects development and architecture update

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"> Attended workshop for applying NIST cybersecurity framework to transportation
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 seven NCR/UASI Board meetings and several subcommittee meetings
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	<ul style="list-style-type: none"> Coordinating with CDOT and regional partners to progress and improve incident management DRCOG is a member of the Colorado Standing Committee on First Responder Safety that provides policy-level guidance to incident management coalitions

Activity 5.5 Transportation Safety Planning

Activity 5.5 Tasks	Activity 5.5 Status
Geocode and perform quality checks on crashes in the Denver region that are off the state highway system, as data is made available	<ul style="list-style-type: none"> Geocoded, performed quality checks, and published Crash 2018 to the Regional Data Catalog 2016 and 2017 crash data geolocated Met with CDOT and other technical resources to better understand their crash processing methodologies 2019 currently being geocoded
House the annual crash database of all crashes in the region and disseminate data	<ul style="list-style-type: none"> Crashes uploaded to the Regional Data Catalog (data is available from 2004 to 2018)

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Activity 5.5 Tasks	Activity 5.5 Status
Prepare crash and safety analyses, as needed	<ul style="list-style-type: none"> • Regional High Injury Network and Critical Corridors adopted with Taking Action on Regional Vision Zero • Crash and behavior profiles and countermeasures completed for Taking Action on Regional Vision Zero • Published Regional Vision Zero webmap
Respond to requests for information	<ul style="list-style-type: none"> • Ongoing
Complete the DRCOG Taking Action on Regional Vision Zero	<ul style="list-style-type: none"> • Adopted June 2020

Activity 5.5 Deliverables	2020
Documentation of federal safety baseline performance measures for DRCOG region	<ul style="list-style-type: none"> • Included in FAST Act 2020 Safety Targets
Taking Action on Regional Vision Zero	<ul style="list-style-type: none"> • Adopted June 2020

Activity 5.6 Transportation Technology Planning and Advanced Mobility Partnership

Activity 5.6 Tasks	Activity 5.6 Status
Work with CDOT, RTD, and other stakeholders to implement Mobility Choice Blueprint recommendations, including planning processes, funding, projects, and other efforts	<ul style="list-style-type: none"> • Draft and finalize Advanced Mobility Partnership MOU • Develop AMP branding • Host Mobility Data Specification Workshop • Participate in UTAC Freight Workshop • Host Smart Columbus Peer-Exchange • Participate in peer-MPO quarterly conversations on transportation technology
Establish Advanced Mobility Partnership, host, and facilitate Executive Committee (quarterly) and Working Group (monthly) meetings	<ul style="list-style-type: none"> • Host AMP MOU Signing Ceremony with partner agencies • Host 3 AMP Executive Committee Meetings • Host 8 AMP Working Group Meetings • Host 9 AMP Steering Committee Meetings (3x each for Shared Mobility, System Operations, and Data and Data Sharing)
Host and lead the regional Micromobility Work Group	<ul style="list-style-type: none"> • Host 6 regional Micromobility Work Group meetings

Activity 5.6 Deliverables	2020
Identify technical and policy issues, develop implementation priorities, prepare recommendations, and other tasks	<ul style="list-style-type: none"> • Join and participate in SAE's Mobility Data Collaborative including two working groups assessing: data governance and performance metrics for new mobility • Join and participate in the Open Mobility Foundation • Develop and maintain AMP Website

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Activity 5.6 Deliverables	2020
	<ul style="list-style-type: none"> Facilitate three AMP Steering Committees to identify next steps and implementation priorities in the focus areas of: Shared Mobility, System Operations, and Data and Data Sharing Develop AMP Next Steps report and solicit stakeholder input before approval by AMP Executive Committee in September 2020
Continue the Micromobility Work Group to facilitate shared learning and potential shared standards and approaches to dockless mobility for local governments	<ul style="list-style-type: none"> Host 6 Micromobility Work Group meetings Develop draft Regional Considerations on Shared Micromobility doc and distribute for stakeholder review
Launch shared regional micromobility data platform pilot	<ul style="list-style-type: none"> Kickoff Shared Micromobility Data Sharing Pilot Host mid-pilot evaluation with partner agencies Monitor and manage project
Identify other near-term priorities for implementation	<ul style="list-style-type: none"> Work with three capstone students on advanced-mobility related projects Identify activities and next steps DRCOG will lead as part of AMP/MCB Implementation in two focus areas: System Operations and Data and Data Sharing

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	<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"> Active coordination with DRCOG's Accountable Health Community team. The AHC is screening and navigating vulnerable populations around the region to identify and address health-related social needs, including transportation Coordinated with DRCOG's AHC team on the development of an AHC-required report (<i>Denver Regional Accountable Health Community: Strategies and Recommendations for Transportation Service Improvements</i>)
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"> Ongoing
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

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Activity 6.1 Tasks	Activity 6.1 Status
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. DRCOG will take a greater role as the 5310 Designated Recipient (DR)
Maintain a performance tracking report on TIP funded transit projects	<ul style="list-style-type: none"> Ongoing
Become the 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"> Became 5310 DR in early 2020; Governor approved status and FTA approved Program Management Plan. First projects were approved in September 2020

Activity 6.1 Deliverables	2020
Maintain and update Coordinated Public Transit-Human Services Transportation Plan (Coordinated Plan)	<ul style="list-style-type: none"> Plan being updated as part of 2050 MVRTP
Prepare and complete Project Management Plan for 5310 Program	<ul style="list-style-type: none"> Plan approved by FTA in late 2019. Following plan in administration of the program

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), as needed (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"> No action during this time period
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"> No action during this time period
Provide RTD's annual FasTracks Status Report to the DRCOG Board (due to DRCOG by May 1 st)	<ul style="list-style-type: none"> RTD submitted a more comprehensive report in 2020

Activity 6.2 Deliverables	2020
DRCOG review and assessment of RTD Change Report(s), when/if submitted by RTD. If needed, subsequent SB-208 action and/or 2040 MVRTP amendment	<ul style="list-style-type: none"> No action during this time period
RTD 2020 FasTracks Annual Status Report	<ul style="list-style-type: none"> No action during this time period

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 Midrange Financial Plan capital projects and annual service plan changes	<ul style="list-style-type: none"> Local Government Meetings held on November 15, December 11, June 3, and September 30

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Activity 6.3 Tasks	Activity 6.3 Status
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 Financial Planning

Activity 6.4 Tasks	Activity 6.4 Status
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"> No action during this time period

Activity 6.4 Deliverables	2020
2018-2023 Midterm Financial Plan for input into the TIP	<ul style="list-style-type: none"> Mid-Term Financial Plan adopted by Board on October 16, 2019 (see attached)

Activity 6.5 RTD Base System Planning

Activity 6.5 Tasks	Activity 6.5 Status
Continue oversight of base system planning process	<ul style="list-style-type: none"> Ongoing
Other assorted engineering, planning, and environmental activities	<ul style="list-style-type: none"> Completed <u>SH 119 PEL</u>
Conduct Reimagine RTD Comprehensive Plan to: <ul style="list-style-type: none"> Provide guidance on future RTD services Compliment FasTracks Chart a course that optimizes existing and future FasTracks infrastructure and determine what other future investments are needed Plan will provide a vision for RTD's existing rail system Focus on ancillary services such as multi-modal first/last mile connections Maximize FasTracks investments Address staffing-related challenges Evaluate long-term parking needs Determine location and nature of future bus and rail maintenance facilities Consider fleet electrification Review RTD's boundaries Use of technical software (Remix and additional transit modeling) to aid in the System Optimization Plan and Mobility Plan for the Future deliverables 	<ul style="list-style-type: none"> Completed draft comprehensive assessment of existing services and travel demand patterns Beginning development of systems optimization plan through scenario development. Technical Working Group meetings held Advisory Committee meeting held Process put on temporary hold due to COVID-19 until March 2021

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"> 2019 Annual Report completed on March 23, 2020 (see attached)

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Activity 6.6 Tasks	Activity 6.6 Status
	<ul style="list-style-type: none"> • 2020 Annual Report: continue to collect data
Prepare biannual Park-n-Ride user distribution geocoding and mapping	<ul style="list-style-type: none"> • RTD was unable to conduct 2019 License Plate survey due to vendor issue and prepare report
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"> • Pursuing joint development at the following locations: <ul style="list-style-type: none"> ○ 38th & Blake Station (A-Line) ○ 13th Ave. (R-Line) ○ Aurora City Center (R-Line) ○ McCaslin (US-36) ○ Parker PnR (Parker)
Regional Transit Oriented Development (TOD) Opportunity Study	<ul style="list-style-type: none"> • Inventoried and reviewed past transit-oriented land use plans and studies dating back to FasTracks approval • Coordination meeting between DRCOG staff and RTD's TOD group. Have worked with DRCOG on this item
Mobility Hub planning at priority locations identified in partnership among RTD, CDOT, and DRCOG	<ul style="list-style-type: none"> • Ongoing
Benchmark Transit Oriented Development (TOD) activity in annual status report and FasTracks Quality of Life study	<ul style="list-style-type: none"> • The 2019 Quality of Life Report was presented to the RTD Board on October 8, 2019. This included data from the 2019 TOD Status Report • The 2020 Quality of Life Report was finalized in October 2020
Provide ongoing TOD education and outreach	<ul style="list-style-type: none"> • Ongoing

Activity 6.6 Deliverables	2021
Mobility Hub plan(s)	<ul style="list-style-type: none"> • Ongoing
Regional TOD Opportunity Study	<ul style="list-style-type: none"> • 2019 TOD Status Report

Activity 6.7 FasTracks Program Management and Planning Assistance

Activity 6.7 Tasks	Activity 6.7 Status
Preparation of FasTracks Change Report(s) for DRCOG	<ul style="list-style-type: none"> • Updated (see attached)

Activity 6.7 Deliverables	2020
FasTracks Change Report	<ul style="list-style-type: none"> • No activity

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Activity 7.1 Develop and Maintain Information Systems

Activity 7.1 Tasks	Activity 7.1 Status
Develop, maintain, and update data, tools, applications, and visualizations that allow internal and external users to explore and consume information	<ul style="list-style-type: none"> • Data updated on the Regional Data Catalog (external): planimetric features (building roof prints, edge of pavement, parking, sidewalks, sidewalk ramps, driveways, trails), crashes, annual summaries of employment, landcover, bicycle facility inventory, household and employment forecasts, vulnerable populations, bike share stations, zoning, TIP geographies, traffic counts, high injury network and critical corridors, municipal boundaries, unincorporated areas, nursing homes, assisted living facilities, BRT network, congested corridors, parks and open space • Data updated in DRCOG’s enterprise SDE (internal): employment, housing • Visualization: Legislative profiles • Tools: Freight, Vision Zero, and 2050 small-area forecast interactive comment maps • Launched new Experience Builder webmaps
Create and maintain free and open regional data to support the analysis needs of researchers, entrepreneurs, and other regional stakeholders (e.g. Regional Data Catalog)	<ul style="list-style-type: none"> • ongoing
Maintain an internal data repository	<ul style="list-style-type: none"> • ongoing
Coordinate the acquisition of regional datasets through the Denver Regional Data Consortium, Denver Regional Aerial Photography Projects, Regional Planimetric Data Projects and related initiatives (e.g. Regional Land Use Land Cover Projects, Regional Lidar Projects)	<ul style="list-style-type: none"> • Issued two surveys to partners (requirements gathering for 2020 planimetrics and landcover projects; satisfaction for 2018 planimetric project) • Held two DRDC meetings • All imagery and lidar for 2020 was collected by Labor Day Weekend
Perform GIS analysis for decision-support and performance measurement	<ul style="list-style-type: none"> • Developed data and performed analysis in support of Metro Vision performance measures • Performed sidewalk width analysis • Created “critical corridors” to prioritize the High Injury Network
Maintain internal processes and infrastructure in support of application and tool development	<ul style="list-style-type: none"> • Upgraded linux servers • Created a map policy with new ArcGIS Pro templates • Completed a webmap refresh project • Continued ArcGIS Pro trainings
Complete the local data collection and regional dataset creation efforts	<ul style="list-style-type: none"> • Data request sent in mid-January • Data development strategy meeting held in March
Develop an agency wide DRCOG data privacy policy	<ul style="list-style-type: none"> • Completed draft with internal data privacy policy work group • Policy draft vetted by legal in September 2020; working through final reviews

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Activity 7.1 Deliverables	2020
Initiate the 2020 Denver Regional Aerial Photography Project (DRAPP)	<ul style="list-style-type: none"> Executed a contract with a vendor (Sanborn Map Company) in January 2020
Initiate the 2020 Regional Lidar Project	<ul style="list-style-type: none"> Executed a contract with USGS in March 2020

Activity 7.2 Develop and Maintain Land Use Modeling and Forecasting Systems

Activity 7.2 Tasks	Activity 7.2 Status
Collect, compile, and purchase data in support of land use modeling	<ul style="list-style-type: none"> Prepared a LEHD dataset for the land use model Purchased building permit data to better understand scheduled development Compiled approved plans and plats from local governments for incorporation in land use model forecasts (scheduled development) Incorporated data on observable household and employment growth for improvements to forecast from base year to 2018
Partner with the Department of Local Affairs (DOLA) to pilot the use of DRCOG's modeling and forecasting systems to assist local governments in their review of DOLA's long-range, county-level forecasts (produced annually)	<ul style="list-style-type: none"> held several coordination meetings
Coordinate with local governments to maintain and improve UrbanSim model inputs that rely on local plans, policies, priorities and changes to development patterns (e.g. development constraints, scheduled development)	<ul style="list-style-type: none"> Compiled approved plans and plats from local governments for incorporation in land use model forecasts (scheduled development) Collected feedback via web comment map on preliminary small-area forecasts that helped capture this information from local governments identify opportunities for follow-up and coordination
Pursue improvements and enhancements UrbanSim model, as needed, including coordination with other MPOs and peer agencies on improvements to the Census Block model	<ul style="list-style-type: none"> Worked with consultant to develop ability to incorporate scheduled development data in forecast simulation Worked with consultant to develop ability to switch between regional and county household and employment control totals Reworked the script that transforms the UrbanSim model outputs for use in the travel model Consultation with Sacramento Area Council of Governments on UrbanSim (at their request)
Develop and maintain economic forecasting tools in support of UrbanSim	<ul style="list-style-type: none"> Ongoing
Support work groups associated with forecasting, modeling, and planning efforts detailed in the UPWP	<ul style="list-style-type: none"> Ongoing

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Activity 7.2 Deliverables	2020
Improvements and enhancements to the UrbanSim model	<ul style="list-style-type: none"> • Scheduled development functionality in UrbanSim model • County control total functionality in UrbanSim model

Activity 7.3 Transportation Modeling and Forecasting

Activity 7.3 Tasks	Activity 7.3 Status
Collect, compile, and purchase data in support of transportation modeling and forecasting	<ul style="list-style-type: none"> • Compiled traffic count data • Extracted speed and travel time data from Inrix for select locations and facility groups
Provide travel model data results in support of special requests	<ul style="list-style-type: none"> • Data outputs provided to 7 local governments • Focus Model provided to consultants for 9 corridor and interchange studies (e.g. 1601, NEPA and PELs) and traffic & revenue studies
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	<ul style="list-style-type: none"> • Ongoing
Update the Commercial Vehicle Travel Model with greater delineations and trip rates by vehicle type	<ul style="list-style-type: none"> • CV Model component was updated with distinct trip rates for Light, Medium, and Heavy-Duty vehicles. Component is operational for the 2050 MVRTP model runs
Collaborate with CDOT in developing the statewide activity-based (ABM) model	<ul style="list-style-type: none"> • Held monthly meetings with CDOT and the statewide model consultant. Shared files and ideas
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"> • Route and station boarding data was used to modify model components
Work with RTD to evaluate methods for improving Focus mode-choice model component	<ul style="list-style-type: none"> • Held monthly meetings with RTD and their model update consultant
Explore/Evaluate uses and benefits of different model output visualization tools	<ul style="list-style-type: none"> • Prepared several new select link and TAZ travel flow maps
Evaluate implementing the Caliper Highway/Transit Master Network (for maintaining different projects) or other model process enhancements	<ul style="list-style-type: none"> • Ongoing
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	<p style="text-align: center;">Ongoing</p>
Participate on CDOT-led Statewide Household and other Travel Surveys (work and DRCOG's contribution will be split between FY2021 and FY2022)	<ul style="list-style-type: none"> • Participating closely with CDOT. DRCOG is a funding partner as acknowledged in draft MOU
Plan and participate in DEN travel surveys and data collection	<ul style="list-style-type: none"> • Preliminary discussions held. May imbed within Statewide Survey elements

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Activity 7.3 Deliverables	2020
Updated Commercial Vehicle Model component	<ul style="list-style-type: none"> Incorporated in Focus V. 2.2.2
Complete updated and validated Focus model runs and output data files used for air quality conformity determinations and other studies	<ul style="list-style-type: none"> Focus V 2.2.2 completed and used for 2050 RTP scenario analyses Final Focus 2.3 update will be completed in November 2020

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, and bridge data from CDOT, incorporating it into DRCOG databases	<ul style="list-style-type: none"> Ongoing
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"> 2019 counts obtained and are in process of being incorporated into our databases
Continuously update the DRCOG website traffic count map to show count data for the last three years	<ul style="list-style-type: none"> Completed
Improve methods for calculations of greenhouse gas and air quality measures	<ul style="list-style-type: none"> Ongoing Investigated methods for incorporating further GHG measures in RTP and other documents
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"> CDOT provided initial updates on annual data tracked for bridge and pavement condition FAST ACT performance measures
Transfer state highway crash data into the DRCOG linear reference system and geocode crashes on non-state roadways	<ul style="list-style-type: none"> Geocoded crashes for 2018 data on non-state roadways
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	2020
Transportation Improvement Survey	<ul style="list-style-type: none"> Completed

Activity 7.5 Regional Transportation Dataset/Data Platform

Activity 7.5 Tasks	Activity 7.5 Status
Initiate, monitor and evaluate regional micromobility data sharing platform pilot with partner agencies	<ul style="list-style-type: none"> Kicked off Ride Report Pilot with partner agencies including: City and County of Denver, RTD, and CDOT Held evaluation project partner meeting Monitor and ongoing project management

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Activity 7.5 Tasks	Activity 7.5 Status
Convene a regional work group to identify needs, issues, and opportunities for a regional transportation dataset and data platform	<ul style="list-style-type: none"> • Working with AMP Working Group and partner agency staff to continue conversations around regional data governance and tools • Piloting Ride Report micromobility data sharing project with partner agencies through work with the Regional Micromobility Work Group • Hosted Mobility Data Specification (MDS) Workshop for regional stakeholders • Co-led AMP Steering Committee on Data and Data Sharing • Held 3 meetings of the Steering Committee on Data and Data Sharing • Finalized next steps recommendations through AMP Next Steps document • Initiated initial discovery phase with CDOT
Explore options for collecting and managing transportation data	<ul style="list-style-type: none"> • Participating in Open Mobility Foundation and SAE Mobility Data Collaborative • Host Smart Columbus Peer Exchange
Prepare recommendations	<ul style="list-style-type: none"> • Ongoing

Activity 7.5 Deliverables	2021
Analysis and Feasibility Study	<ul style="list-style-type: none"> • AMP Executive Committee approved approach in AMP Next Steps document, beginning with Phase 1: Discovery