

End-of-Year Status Report

FY 2018 Unified Planning Work Program Activity

October 1, 2017 through September 30, 2018

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Activity 1.1 Direct Program Management

Activity 1.1 Tasks	Activity 1.1 Status
<ul style="list-style-type: none"> Supervise DRCOG personnel assigned MPO planning work. Monitor staff work on the UPWP and evaluate progress 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Implement new internal strategic management and performance measurement system 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Prepare and maintain adequate records of correspondence, purchasing, and contracts 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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 7 Regional Transportation Committee (RTC) meetings, 9 Transportation Advisory Committee (TAC) meetings, 11 DRCOG Board meetings, 5 Board Work Sessions, 6 Agency Coordination Team (ACT) meetings, and 7 (air quality) Interagency Coordination Group (ICG) meetings Prepared ~520 agenda memos and associated attachments
<ul style="list-style-type: none"> 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 3 CDOT R1 and 2 R4/DRCOG quarterly meetings
<ul style="list-style-type: none"> 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/7 ICG meetings
<ul style="list-style-type: none"> Incorporate guidance of state and federal agencies on the regional transportation planning process 	<ul style="list-style-type: none"> Held multiple meetings with CDOT, FHWA, and FTA regarding the draft Planning MOA, safety targets MOU, other FAST Act-required targets, and other elements of the regional transportation planning process Worked with CDOT to review and comment on CDOT's revisions/updates to its statewide planning rules
<ul style="list-style-type: none"> 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 cooperatively with FHWA, CDOT, City and County of Denver, and Denver International Airport staff to help process the request by the City and County of Denver to remove the section of Pena Blvd. from E-470 to the airport terminal from the National Highway System

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Activity 1.2 Tasks	Activity 1.2 Status
<ul style="list-style-type: none"> 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"> Continued to address certification outcomes, such as completing the Planning MOA, updating Public Involvement Plan, documenting ADA activities, etc.

Activity 1.2 Deliverables	2018
<ul style="list-style-type: none"> Complete FAST Act-compliant Metropolitan Planning Agreement between DRCOG, CDOT, and RTD 	<ul style="list-style-type: none"> Completed signed MOU in May
<ul style="list-style-type: none"> Prepare FY 2017 UPWP end-of-year report 	<ul style="list-style-type: none"> Completed and distributed end-of-year report
<ul style="list-style-type: none"> Prepare FY 2018 UPWP mid-year report 	<ul style="list-style-type: none"> Completed and distributed mid-year report

Activity 1.3 Interregional, Regional, and Corridor Planning Coordination

Activity 1.3 Tasks	Activity 1.3 Status
<ul style="list-style-type: none"> 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 Attended FHWA Peer Exchange for Safety Targets
<ul style="list-style-type: none"> 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 Attended all statewide MPO and STAC meetings
<ul style="list-style-type: none"> 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 interregional studies, including: North I-25 EIS, I-25 South PEL, I-25 Gap EA, I-25 Belleview EA, US-85 North EA, Southwest Chief and Front Range Passenger Rail Commission, and several other studies
<ul style="list-style-type: none"> 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-7 BRT, SH-119 BRT, West Connect PEL, SH-66 PEL, I-270/Vasquez, North Metro Industrial Area Connectivity Study, US-85 North EA, Belleview/I-25 EA, I-70/Floyd Hill, I-70 WB PPSL, SW Longmont Traffic Operations Study, Arapahoe Road Operations Study, Castle Rock Transportation Master Plan, Northeast Aurora Transportation Study, RTD First and Last Mile Strategic Plan, RTD Regional BRT study, Clear Creek and Gilpin Counties Transit Assessment and Planning Study, Southwest Chief and Front Range Passenger Rail Commission, and several other studies

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Activity 1.3 Tasks	Activity 1.3 Status
<ul style="list-style-type: none"> • 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 6 TRAC meetings ▪ Attended all scheduled STAC meetings
<ul style="list-style-type: none"> • 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"> ▪ Served on Mobility Choice Project Management Team (PMT) and Mobility Choice Blueprint Board; attended bi-weekly PMT meetings, monthly Board meetings, stakeholder and public events, and other Mobility Choice events

Activity 1.4 DRCOG Staff Training and Development

Activity 1.4 Tasks	Activity 1.4 Status
<ul style="list-style-type: none"> • Provide training in-house and offsite for DRCOG staff 	<ul style="list-style-type: none"> ▪ Participated in in-house and off-site trainings ▪ Presentation Skills: Talk like TED
<ul style="list-style-type: none"> • Attend webinars 	<ul style="list-style-type: none"> ▪ Attended webinars including: <ul style="list-style-type: none"> ○ A Regional Approach to Age-Friendly Communities (Planning Webcast Series) ○ Implementing Sustainability Plans and Livable Community Programs (APA RIPD) ○ Bridging the Divide Between Urban and Rural Areas (NARC) ○ Integrating Ridesharing into Transit Operations ○ Building Healthy and Prosperous Communities ○ Nashville Area MPO and the Integrated Transportation Health Impact Model ○ Mid-Ohio Regional Planning Commission Complete Streets Policy and Programs ○ A Winning Public Involvement Approach for LRTPs ○ Facing Contention ~ How to Detox Public Engagement (MetroQuest) ○ From Brownfields to Thriving Downtowns (Community Builders) ○ Strategic Parking Management Basics for Small Communities (Community Builders) ○ Planning for Environmental Justice and Healthy Communities (Planning Webcast Series) ○ Bike-Ped Portal - National Bicycle and Pedestrian Count Archive (TREC) ○ Reducing Colorado's Risk to Geologic and Soil Hazards (Planning for Hazards Webinar Series)

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Activity 1.4 Tasks	Activity 1.4 Status
<ul style="list-style-type: none"> • 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"> ○ Colorado Bicycle Summit ○ CDOT Transportation Summit ○ LTAP Summit ○ Transportation Research Board Annual Meeting ○ Tools of the Trade Conference ○ Moving People Forward Conference ○ 2017 APA Colorado Conference ○ 2018 Rocky Mountain Land Use Institute ○ Sustainable Transportation Summit ○ 2018 APA Conference ○ 2018 Regional Livable Communities Forum

Activity 2.1 Public Engagement and Outreach

Activity 2.1 Tasks	Activity 2.1 Status
<ul style="list-style-type: none"> • Conduct public forums, community meetings, and workshops regarding major planning products identified in the UPWP 	<ul style="list-style-type: none"> ▪ Conducted outreach for the Active Transportation Plan on Bike to Work Day <ul style="list-style-type: none"> ○ Staffed 10 stations across the region and received over 230 responses to engagement activity- talked to many more
<ul style="list-style-type: none"> • 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 30-day public comment review period and public hearing in February/March for proposed amendments/updates to the Metro Vision Plan and 2040 MVRTP
<ul style="list-style-type: none"> • 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 in February for proposed amendments/updates to the Metro Vision Plan and 2040 MVRTP
<ul style="list-style-type: none"> • Give presentations to community, advocacy, and other interest groups, as requested 	<ul style="list-style-type: none"> ▪ Presented to various groups including: <ul style="list-style-type: none"> ○ Indianapolis MPO (Peer Exchange) ○ Capital Area MPO (Peer Exchange) ○ GIS students at Metro State (GIS at DRCOG) ○ GIS Day attendees ○ Academy for Lifelong Learning (5-week course - last two sessions during this reporting period)

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Activity 2.1 Tasks	Activity 2.1 Status
	<ul style="list-style-type: none"> ○ Association of Collegiate Schools of Planning (Assessing the Effectiveness of the Denver Region's Centers Planning) ○ Community stakeholders (City of Aurora Comprehensive Plan Update) ○ University of Colorado-Denver (Regional Planning and Economic Development course) ○ RMLUI (Assembled and moderated panel on planning tools and technology) ○ Women's Transportation Seminar (Regional Active Transportation Planning presentation and panel) ○ Infrastructure New Zealand ○ Littleton Leadership Academy ○ FHWA PlanWorks Southeastern Peer Exchange (SHRP2 IAP Case Study) ○ Conference call about regional planning with Wasatch Front Regional Council ○ Historic Denver panel (Re: Denver, Population Boom and Beyond) ○ National Council of Housing Market Analysts (Housing and Transportation costs panel) ○ GIS in the Rockies conference ○ National Imagery Summit ○ APA Colorado Town Hall ○ Inter-Neighborhood Coalition of Denver ○ Maptime Boulder (contributing data to Open Street Map) ○ Panel for Regional Livable Communities Forum ○ 3 sessions at 2018 APA Conference (Equity in Regional Planning, Planning Amidst Denver's Rapid Growth, Livable Communities Forum) ○ AARP Colorado Western Slope convening ○ Launched and presented at Citizens' Academy (first time as a DRCOG program, previously a Transit Alliance program) ○ Tampa Bay MPO Peer Review/Exchange ○ Future Denver: Getting People Near Frequent Transit ○ CDOT Transportation Summit
<ul style="list-style-type: none"> ● Create and maintain various DRCOG web pages 	<ul style="list-style-type: none"> ■ Maintained web pages including: <ul style="list-style-type: none"> ○ Metro Vision ○ Data, Maps and Modeling ○ Regional Data Catalog ○ Transportation Planning and Traffic Operations

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Activity 2.1 Tasks	Activity 2.1 Status
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Continued to develop agency-wide public engagement document that includes methods to support public participation process - several drafts produced for internal review during the reporting period Initiated conversations with interactive internet-based platform vendor to begin to understand costs, value and uses
<ul style="list-style-type: none"> As requested, conduct DRCOG-led short courses on Metro Vision and the transportation planning process 	<ul style="list-style-type: none"> Held Metro Vision Idea Exchange short course on dockless bike share Hosted Metro Vision and Transportation Planning short courses at DRCOG's annual Board workshop

Activity 2.1 Deliverables	2018
<ul style="list-style-type: none"> Summaries of public meetings, hearings, and workshops 	<ul style="list-style-type: none"> Ongoing

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

Activity 2.2 Tasks	Activity 2.2 Status
<ul style="list-style-type: none"> Educate local governments and other interested parties about the DRCOG transportation planning process, federal regulations, and associated documents 	<ul style="list-style-type: none"> Met with new CDOT Region 4 staff Provided overview of DRCOG transportation planning process at CDOT Region 1 4P County hearings
<ul style="list-style-type: none"> Meet with local governments about their transportation planning issues and needs 	<ul style="list-style-type: none"> Met with Northglenn and Commerce City to review existing projects and future needs
<ul style="list-style-type: none"> 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 Presented to Aurora Chamber Transportation Committee Provided stakeholder insights to a national ULI panel on a healthy corridor initiative for Englewood Reviewed consultant team proposals for RTD's regional BRT study Began serving on committee to provide technical guidance during SH 7 BRT station studies Met with Thornton to discuss data and potential assistance as they scoped their new comprehensive plan update
<ul style="list-style-type: none"> 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"> Published "Perspectives on Transit" and released the reports underlying data on the Regional Data Catalog to help others understand transit-oriented location decisions of businesses, residents, and employees

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Activity 2.2 Tasks	Activity 2.2 Status
<ul style="list-style-type: none"> 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"> Established governance on the formation, process, and role of subregional forums to be used during the two Calls for Projects of the 2020-2023 TIP process
<ul style="list-style-type: none"> Facilitate/host transportation-related webinars and other educational events 	<ul style="list-style-type: none"> Hosted Metro Vision Idea Exchange on bikeshare: “Bike Hype: the If, When, and How of Bike Sharing in Your Community”
<ul style="list-style-type: none"> Hold workshops and outreach opportunities for the DRVR site 	
<ul style="list-style-type: none"> 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"> Received concurrence from CDOT and FTA on Title VI Implementation Plan Held discussions with TAC and FTA about thresholds and concepts to update EJ Conducted numerous consultations with local governments on DRCOG’s Regional Growth Initiative and long-term population and employment forecasts Worked with consultants to fine tune equity analysis Worked with CAM to update the Public Engagement Plan

Activity 3.1 Metro Vision Plan – Collaboration and Implementation Assistance

Activity 3.1 Tasks	Activity 3.1 Status
<ul style="list-style-type: none"> 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 Curated and developed datasets to help TIP funding applicants illustrate how projects contribute to Metro Vision outcomes Preliminary design of enhancements to the Metro Vision web presence to help users access relevant resources and information
<ul style="list-style-type: none"> Provide individualized technical assistance to communities for the purposes of implementing Metro Vision 	<ul style="list-style-type: none"> Drafted small area scenario pilot project memos (Aurora and Englewood) Numerous technical assistance efforts through DRCOG’s Boomer Bond program (detailed under subsequent Activity 3.1 Status update)
<ul style="list-style-type: none"> 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"> Continued to explore ways to support local scenario analysis with existing tools Coordinated with peer organizations from across the country on best practices for regional scenario planning, including partnering with Scenario Planning

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Activity 3.1 Tasks	Activity 3.1 Status
	<p>Consortium (Lincoln Land Institute, NARC, etc.) on convening hosted in Denver in November 2017</p>
<ul style="list-style-type: none"> • 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 Small Communities Forum (<i>Regional Economics 101: How to Run with the Big Dogs</i>) ▪ Hosted first session of Citizens' Academy
<ul style="list-style-type: none"> • 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 Mobility Choice Blueprint Board ▪ Served on US-85 (I-76 to I24th) Technical Advisory Committee ▪ Served on Mile High Connects Advisory Council ▪ Served on Metro Denver Nature Alliance (MDNA) Interim Steering Committee ▪ Served on hiring committee for first Alliance Director (MDNA) ▪ Served on Denver's Group Living Ordinance committee ▪ Served on the Colorado Safe Routes to School Advisory Committee
<ul style="list-style-type: none"> • Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes 	<ul style="list-style-type: none"> ▪ Sponsored the Rocky Mountain Land Use Institute (2018 conference) ▪ Partnered with several entities to host a free workshop related to local government boards of adjustment ▪ Sponsored UrbanPlan for Public Officials, a workshop facilitated by the ULI Colorado District Council to help participants better understand growth and development decisions. Also supported workshop design and execution, participant recruitment and volunteer training events. ▪ Served on the APA Colorado Professional Development Committee to help equip local planners to support Metro Vision outcomes ▪ Served on the APA Colorado Awards Committee to help recognize planning efforts that support Metro Vision outcomes and/or provide transferrable lessons to those supporting Metro Vision outcomes ▪ Sponsored Technical Assistance Panels through the ULI Colorado District Council ▪ Sponsored CDOT Transportation Summit
<ul style="list-style-type: none"> • Coordinate with local governments on member-sponsored plan amendments (e.g., new urban centers, other policy amendments) 	<ul style="list-style-type: none"> ▪ Initiated request for amendments to the Metro Vision plan in October 2017 ▪ Hosted (virtually) and facilitated a meeting of an external review panel responsible for reviewing proposed amendments to urban centers in the Metro Vision plan

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Activity 3.1 Tasks	Activity 3.1 Status
<ul style="list-style-type: none"> • 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"> ▪ Revised Metro Vision plan adopted in April 2018, including three member-sponsored amendments ▪ Hosted several communities to hear about their experiences using the Boomer Bond assessment tool in December 2017 ▪ Several potential partners have expressed an interest in expanding the assessment tool to cover other parts of the state ▪ Continued to assist Bennett with Boomer Bond assessment ▪ Worked with Thornton on launching and use of the Boomer Bond assessment (provided input on process design, attended kick-off meeting) ▪ Held discussions with several communities interested in conducting the Boomer Bond assessment (Lochbuie, Clear Creek County) ▪ Collaborated with the Department of Local Affairs (DOLA) and AARP Colorado to help launch the governor's Lifelong Colorado initiative (DRCOG's Boomer Bond assessment tool is a key component of the initiative) ▪ Began identifying ways to adapt the Boomer Bond assessment tool to work in a wider variety of communities and settings based on recent experience collaborating with small communities
<ul style="list-style-type: none"> • 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"> ▪ Presented to the Board the draft framework (4 pillars) for new initiative(s) that were the result of extensive discussions with local governments ▪ Visited several jurisdictions to discuss how these initiatives can promote consistency between local and regional growth priorities in the regional transportation planning process (Boulder, Boulder County, Denver, Douglas County) ▪ DRCOG Board reviewed a pilot period scope of work for new/revised initiative(s) to help promote consistency between regional and local growth priorities by 1) using DRCOG's data and modeling assets to share more about regional growth with local and regional audiences, 2) leveraging the process to create small area population and employment forecasts as part of the next MVRTP to generate conversations about regional growth and identify opportunities for collective action, 3) facilitate cohorts of local governments facing similar growth related issues to create locally tailored plans of action, and 4) getting feedback on further datasets and tools to help support and inform local and regional growth decisions; scope helps coordinate work already identified throughout the UPWP

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Activity 3.1 Deliverables	2018
<ul style="list-style-type: none"> Amendments (if any) to Metro Vision 	<ul style="list-style-type: none"> Initiated a “call for amendments” to the Metro Vision plan in October 2017 <ul style="list-style-type: none"> Summary of proposed amendments Held amendment public review period in February 2018 and public hearing in March 2018 Revised Metro Vision plan was adopted in April 2018
<ul style="list-style-type: none"> Development of coordinated growth management initiative(s) designed to understand the impacts of growth on the region’s ability to achieve Metro Vision outcomes 	<ul style="list-style-type: none"> Presented to the Board the draft framework (4 pillars) for new initiative(s) that were the result of extensive discussions with local governments Visited several jurisdictions to discuss how these initiatives can promote consistency between local and regional growth priorities in the regional transportation planning process (Boulder, Boulder County, Douglas County, Denver) Board discussion of initiative

Activity 3.2 Metro Vision Plan – Research and Performance Management

Activity 3.2 Tasks	Activity 3.2 Status
<ul style="list-style-type: none"> Routinely analyze progress on Metro Vision outcomes, including documentation of successes and ongoing challenges 	<ul style="list-style-type: none"> Developed procedures and calculated Metro Vision performance measures Designed a format to share the Metro Vision performance measure report on the Metro Vision web presence
<ul style="list-style-type: none"> 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 study material about local initiatives for the Metro Vision website: <ul style="list-style-type: none"> Invited presenters to share local case studies during Metro Vision Idea Exchanges Hosted meeting of Boomer Bond communities to share experiences, tools, promising practices with other communities in search of age-friendly strategies
<ul style="list-style-type: none"> Survey local governments, the public, and other stakeholders to understand local and regional planning challenges, opportunities, and needs 	<ul style="list-style-type: none"> Developed and administered survey to gauge effectiveness of DRCOG’s Boomer Bond assessment
<ul style="list-style-type: none"> Develop and provide information on key economic trends influencing the region’s forecasted growth 	<ul style="list-style-type: none"> Focused efforts on land use model updates (regional economic reports are currently on hold)
<ul style="list-style-type: none"> 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 a revised workflow to produce data-driven stories

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Activity 3.2 Tasks	Activity 3.2 Status
<ul style="list-style-type: none"> Design, build, maintain and enhance applications (i.e., Regional Equity Atlas) that enable internal and external users to explore and consume regional data related to Metro Vision outcomes, objectives and initiatives 	<ul style="list-style-type: none"> Held several conversations with partners and stakeholders about existing and new decision-support tools Collaborated with Regional Equity Atlas partners to host stakeholder event (<i>Denver Region Data and Storytelling Convening: The Future of the Regional Equity Atlas</i>)

Activity 3.2 Deliverables	2018
<ul style="list-style-type: none"> Metro Vision performance measurement reporting, including updates to Metro Vision website 	<ul style="list-style-type: none"> Developed procedures and calculated Metro Vision performance measures

Activity 3.3 Metro Vision Regional Transportation Plan

Activity 3.3 Tasks	Activity 3.3 Status
<ul style="list-style-type: none"> 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 2017 cycle amendments to the 2040 MVRTP, including content updates and new formatting to the plan document (adopted by DRCOG Board in April)
<ul style="list-style-type: none"> Coordinate with CDOT to prepare a freight and goods movement report for the DRCOG region derived from CDOT's Statewide Multimodal Freight Plan 	<ul style="list-style-type: none"> Negotiated a scope of work with CDOT's freight consultant Waiting for the consultant to finish CDOT's freight plans before work can begin
<ul style="list-style-type: none"> 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"> Negotiated a scope of work with CDOT's freight consultant Completed a draft of the Active Transportation Plan final report
<ul style="list-style-type: none"> 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"> Attended 4 CDOT State Freight Advisory Council meetings to stay up to date with freight topics
<ul style="list-style-type: none"> Participate in Freight Advisory Council meetings 	<ul style="list-style-type: none"> Coordinate, as appropriate, with CDOT on designating Critical Freight Corridors
<ul style="list-style-type: none"> 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"> Held preliminary discussion of MVRTP unfunded/vision projects with TAC
<ul style="list-style-type: none"> 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 on CDOT's revenues subcommittee Held preliminary discussions about RTD/transit revenues and costs

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Activity 3.3 Tasks	Activity 3.3 Status
	<ul style="list-style-type: none"> ▪ Attended and presented at 7 “4P” County Hearings in CDOT R1 to inform TIP and MVRTP development processes
<ul style="list-style-type: none"> • 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 ▪ Participated in discussions of potential citizen-initiated funding proposals
<ul style="list-style-type: none"> • Begin preparing the 2050 MVRTP financial plan 	<ul style="list-style-type: none"> • Served on CDOT’s revenues/program distribution STAC subcommittee

Activity 3.3 Deliverables	2018
<ul style="list-style-type: none"> • Amendments (if any) to the 2040 MVRTP 	<ul style="list-style-type: none"> ▪ Initiated request for amendments to the 2040 MVRTP in October 2017 ▪ Held amendment public review period in February 2018 and public hearing in March 2018 ▪ Obtained DRCOG Board adoption of amended/updated 2040 MVRTP in April 2018
<ul style="list-style-type: none"> • Initiate the DRCOG region freight and goods movement report 	<ul style="list-style-type: none"> ▪ Negotiated a scope of work with CDOT’s freight consultant <ul style="list-style-type: none"> ○ Waiting for the consultant to finish CDOT’s freight plans before work can begin

Activity 3.4 Air Quality Conformity

Activity 3.4 Tasks	Activity 3.4 Status
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Monitor the readings and trends of criteria pollutants in relation to established attainment standards 	<ul style="list-style-type: none"> ▪ Ongoing
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC) 	<ul style="list-style-type: none"> ▪ Ongoing
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> ▪ Completed in November 2017 for the 2017 Amendments to the 2040 MVRTP

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Activity 3.4 Tasks	Activity 3.4 Status
(RTD) associated with amendments of the 2040 MVRTP	
<ul style="list-style-type: none"> Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments to the MVRTP 	<ul style="list-style-type: none"> Completed an assessment in January 2018 for the 2017 Amendments to the 2040 MVRTP
<ul style="list-style-type: none"> Participate in the development of the new ozone State Implementation Plan (SIP) 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Continue with activities associated with the Regional Haze SIP 	<ul style="list-style-type: none"> Ongoing

Activity 3.4 Deliverables	2018
<ul style="list-style-type: none"> Annual Conformity Determination Reports 	<ul style="list-style-type: none"> Prepared conformity determination documents for 2040 MVRTP amendments, adopted April 2018: <ul style="list-style-type: none"> CO and PM10 Conformity Determination Denver Southern Subarea 8-hour Ozone Conformity Determination

Activity 3.5 Pedestrian and Bicycle Planning

Activity 3.5 Tasks	Activity 3.5 Status
<ul style="list-style-type: none"> Monitor progress on TIP-funded and other bicycle and pedestrian projects 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> 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"> Developed online webmap showing Bicycle and Pedestrian Crashes Conducted data assessment for bicycle facility inventory to compare facility types with national standards Updated facility inventory and mapping products that highlight bicycle facilities in the Denver region
<ul style="list-style-type: none"> Continue regional active transportation meetings/summits to facilitate communication and provide educational opportunities 	<ul style="list-style-type: none"> Hosted Metro Vision Idea Exchange on Bikesharing
<ul style="list-style-type: none"> Assemble Active Transportation Stakeholder Committee (ATSC) and coordinate meetings 	<ul style="list-style-type: none"> Held 6 stakeholder meetings in November 2017, December 2017, February 2018, March 2018, May 2018 and August 2018 Held 5 workshops across region to engage local planners regarding network development Held online web-conference for local stakeholders to review Active Transportation Plan network development
<ul style="list-style-type: none"> Respond to requests for assistance regarding local pedestrian and bicycle planning topics and projects 	<ul style="list-style-type: none"> Participated in Colorado Complete Streets Consortium (Arvada, Aurora and Westminster)

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Activity 3.5 Tasks	Activity 3.5 Status
<ul style="list-style-type: none"> Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested 	<ul style="list-style-type: none"> Appointed to CDOT's Safe Routes to School program advisory committee and participated in committee meetings
<ul style="list-style-type: none"> Maintain a performance tracking report on TIP-funded bicycle and pedestrian projects 	<ul style="list-style-type: none"> Updated TIP project status matrix in Fall 2017 Sent out update request in September 2018
<ul style="list-style-type: none"> 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"> Attended TIP Policy Work Group meetings

Activity 3.5 Deliverables	2018
<ul style="list-style-type: none"> Develop the DRCOG Active Transportation Plan (will be completed end of calendar year) 	<ul style="list-style-type: none"> Developed public involvement plan Conducted local government survey regarding desired outcomes and current activities Completed State of the Practice Held Peer MPO discussions with four MPOs (Metro, Wasatch Front Regional Council, Puget Sound Regional Council and Delaware Valley Regional Planning Commission) Conducted local plan review and developed inventory Conducted statistically valid survey to learn about barriers to bicycling and walking in the region and developed report Conducted bicycle/pedestrian crash analysis and developed draft report Developed draft Active Transportation Plan
<ul style="list-style-type: none"> Implementation of a regional bicycle use count program (pending feasibility study recommendations) 	<ul style="list-style-type: none"> Completed draft white paper (under review by DRCOG management)

Activity 4.1 Transportation Improvement Program

Activity 4.1 Tasks	Activity 4.1 Status
<ul style="list-style-type: none"> 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 11 administrative modifications and 4 amendments to the 2018-2021 TIP

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Activity 4.1 Tasks	Activity 4.1 Status
<ul style="list-style-type: none"> 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"> Facilitated 14 TIP Policy Work Group meetings Informed the TAC, RTC, Board Work Session, and DRCOG Board about the status of the 2020-2023 TIP Policy document Adopted TIP Policy document in July 2018
<ul style="list-style-type: none"> 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"> Prepared Regional Share application and issued the Call for Projects in July Scored eligible Regional share applications Established the TIP Project Review Panel who will recommend which Regional Share projects will be selected for funding
<ul style="list-style-type: none"> 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 and presented at subregional forum meetings Anticipated Subregional Share Call for Projects in January 2019
<ul style="list-style-type: none"> Prepare a 2020-2023 TIP document for committee review and Board adoption in Summer 2019 	
<ul style="list-style-type: none"> Conduct appropriate project programming activities when additional revenues are made available or decreased 	
<ul style="list-style-type: none"> Provide financial and project coordination assistance to implementing agencies and project sponsors 	<ul style="list-style-type: none"> Assisted sponsors with current and potential future TIP projects, including Northglenn, Commerce City, Broomfield, Denver, RTD, and communities along SH-119 in Boulder County Held 4 DRCOG and CDOT R1 quarterly meetings Met with CDOT and FHWA to discuss CMAQ contracting Met with CDOT R1 to discuss TIP/STIP alignment
<ul style="list-style-type: none"> Conduct activities with CDOT and local governments to continuously refine the IGA and contracting processes 	<ul style="list-style-type: none"> Will hold a joint DRCOG, CDOT, and local government meeting to discuss after the 2020-2023 TIP is adopted
<ul style="list-style-type: none"> Monitor the progress status and results of TIP projects 	<ul style="list-style-type: none"> Finalized the project delays process, including contacting and discussing delayed projects with sponsors, and a report to the DRCOG committees and DRCOG Board in January 2018
<ul style="list-style-type: none"> Update TRIPS project database when applicable 	<ul style="list-style-type: none"> Began an internal review of processes to update TRIPS as necessary

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Activity 4.1 Deliverables	2018
<ul style="list-style-type: none"> Prepare FY 2017 Projects Delayed Report 	<ul style="list-style-type: none"> Provided to DRCOG Board as action item in January 2018 (see Attachment D of Board Agenda)
<ul style="list-style-type: none"> Prepare FY 2017 Annual Listing of Obligated Projects 	<ul style="list-style-type: none"> Provided to DRCOG Board as information item in January 2018 (see report)
<ul style="list-style-type: none"> Adopt 2020-2023 TIP Policy document 	<ul style="list-style-type: none"> Adopted in July 2018

Activity 4.2 Performance Measure Reporting

Activity 4.2 Tasks	Activity 4.2 Status
<ul style="list-style-type: none"> Compile data associated with various regional performance measures 	<ul style="list-style-type: none"> Compiled safety, census, and other data to support setting targets for FAST Act performance measure targets Coordinated with CDOT to improve safety data processes (timeliness and accuracy of crash data) Coordinated with CDOT to compile data for infrastructure (bridge and pavement), system performance, and air quality conditions
<ul style="list-style-type: none"> 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"> Worked with CDOT, RTD, and other stakeholders to adopt 2018 safety targets, reviewed TAMP target with RTD and FTA Adopted DRCOG and CDOT joint Non-SOV and PHED targets Decided on state targets for infrastructure (bridge and pavement), system performance, and air quality (CMAQ) Coordinated with RTD on Transit Asset Management
<ul style="list-style-type: none"> Prepare performance measure reports, and/or assisting CDOT with preparing performance measure reports, for FAST Act performance measures 	<ul style="list-style-type: none"> Worked with CDOT to develop the Biennial Performance Baseline Report
<ul style="list-style-type: none"> Maintain performance tracking reports on TIP-funded projects 	<ul style="list-style-type: none"> Completed a Description of Projects for the CMAQ Performance Plan for CMAQ funded TIP projects that included benefits for congestion measures and emission reductions
<ul style="list-style-type: none"> Prepare CMAQ performance plan of TIP-funded projects 	<ul style="list-style-type: none"> Completed DRCOG CMAQ Performance Plan
<ul style="list-style-type: none"> Develop and distribute information products that support the monitoring and evaluation of Metro Vision performance measures 	<ul style="list-style-type: none"> Worked with RPD to assess progress towards TPO performance measures

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Activity 4.2 Deliverables	2018
<ul style="list-style-type: none"> Establish FAST Act-required performance targets 	<ul style="list-style-type: none"> Worked with CDOT, RTD, and other stakeholders to adopt 2018 safety targets, reviewed TAMP target with RTD and FTA Adopted DRCOG and CDOT joint Non-SOV and PHED targets
<ul style="list-style-type: none"> Metro Vision performance measurement reporting 	<ul style="list-style-type: none"> Developed procedures and calculated Metro Vision performance measures for performance measurement report

Activity 5.1 DRCOG Congestion Management Process

Activity 5.1 Tasks	Activity 5.1 Status
<ul style="list-style-type: none"> Update the Congestion Mitigation Program (CMP) databases annually 	<ul style="list-style-type: none"> Completed
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Prepare public information and outreach documents and presentations, including summaries of CMP data 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Maintain and update CMP pages on the DRCOG website 	<ul style="list-style-type: none"> Ongoing and will update Q1 of FY2019
<ul style="list-style-type: none"> 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 Federal performance measures compiled as described in Activity 4.2
<ul style="list-style-type: none"> Maintain performance tracking report on TIP-funded roadway projects 	<ul style="list-style-type: none"> Ongoing and presented with 2017 Annual Report
<ul style="list-style-type: none"> Review CMP per recommendation of 2016 Federal Planning Certification Review 	<ul style="list-style-type: none"> Presented new documentation in response to the recommendations to FHWA

Activity 5.1 Deliverables	2018
<ul style="list-style-type: none"> Prepare white paper (CMP Status Report) summarizing status and results of congestion mitigation projects funded in the TIP from FY 2012 through FY 2017 (recommendation of 2016 Federal Planning Certification Review) 	<ul style="list-style-type: none"> The first draft is complete, awaiting final review before release
<ul style="list-style-type: none"> Prepare Annual Report of Traffic Congestion in the Denver Region 	<ul style="list-style-type: none"> 2017 congestion report is in the final stage of review and design before being published

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Activity 5.2 Regional Travel Demand Management (TDM) Planning

Activity 5.2 Tasks	Activity 5.2 Status
<ul style="list-style-type: none"> 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"> Completed CMAQ air quality benefits reporting, as requested from CDOT and FHWA Participated in ongoing conversations with statewide and regional partners regarding a streamlined approach to CMAQ reporter and emissions benefit calculations
<ul style="list-style-type: none"> Monitor new types of TDM activities and techniques 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Monitor and assist with “last-mile” studies and analyses associated with various transit stations 	<ul style="list-style-type: none"> Served on the Planning Partners Advisory Committee for RTD’s First and Last Mile Strategic Plan

Activity 5.2 Deliverables	2018
<ul style="list-style-type: none"> Complete FY 2018-2019 project selection process for the TDM set-aside 	<ul style="list-style-type: none"> Released Call for Projects in Fall 2017 Held Application Workshop in Fall 2017 Received and evaluated 15 applications Assembled panel of experts to serve on TDM set-aside project review panel in February and March 2018 Presented panel recommendations to DRCOG committees and Board for approval in Spring/Summer 2018 Coordinated with CDOT to ensure project scopes were completed and could move forward for contracting

Activity 5.3 Regional Transportation Operations & Technology

Activity 5.3 Tasks	Activity 5.3 Status
<ul style="list-style-type: none"> Coordinate and facilitate meetings and activities of the Regional Transportation Operations Working Group 	<ul style="list-style-type: none"> Conducted 6 Regional Transportation Operations (RTO) Working Group meetings Hosted an FHWA-sponsored traffic signal performance measures workshop for the benefit of the RTO Working Group
<ul style="list-style-type: none"> 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"> Met with CDOT (and consultants) several times to coordinate statewide ITS Architecture development
<ul style="list-style-type: none"> Assist project sponsors with DRCOG Regional ITS Architecture and other transportation technology project implementation, as requested 	<ul style="list-style-type: none"> Prepared initial project architecture documentation for FY18 and FY19 project sponsors allocated RTO&T pool funds Incorporated project architectures in the Regional ITS Architecture

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Activity 5.3 Tasks	Activity 5.3 Status
<ul style="list-style-type: none"> Maintain the DRCOG Regional ITS Architecture 	<ul style="list-style-type: none"> Published an update of the database (version 4.22) to the web
<ul style="list-style-type: none"> Monitor and participate on national, state, regional, and local mobility technology efforts 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> Monitor and participate on transportation incident management committee efforts 	<ul style="list-style-type: none"> Participated on 4 quarterly CDOT/DRCOG Standing Program Management Team (SPMT) meetings. The group seeks to continually improve traffic incident management in the region by advance best practices and evaluating performance Participates on the Governor's Task Force on Responder Safety, established to improve first responder safety statewide
<ul style="list-style-type: none"> Incorporate technology and operations strategies into the Congestion Management Process analyses, measures, and public information products 	<ul style="list-style-type: none"> Deployed processes to account for systems engineering analysis requirements in federally-funded projects in all DRCOG funding programs
<ul style="list-style-type: none"> Maintain and update Regional Transportation Operations and other applicable DRCOG website pages 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> 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"> Facilitated data sharing discussions between CDOT and local jurisdictions Facilitated discussion of interjurisdictional camera system sharing Participated in the development of Denver's Center-to-Center Feasibility Study that defines data sharing needs and requirements for coordinated traffic signal operations across jurisdictional boundaries

Activity 5.3 Deliverables	2018
<ul style="list-style-type: none"> Prepare feasibility study for pilot implementation of regional traffic operations monitoring support 	<ul style="list-style-type: none"> Draft white paper is being finalized. The document must account for final results of <i>Denver's Center-to-Center Feasibility Study</i> funded through the RTO set-aside

Activity 5.4 Transportation Security Planning

Activity 5.4 Tasks	Activity 5.4 Status
<ul style="list-style-type: none"> Participate on federal and state agency committees dealing with security and transportation, as requested 	<ul style="list-style-type: none"> Attended several Governor's Task Force on Responder Safety meetings
<ul style="list-style-type: none"> Monitor and respond to federal rulemaking and guidance documents 	<ul style="list-style-type: none"> Ongoing

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Activity 5.4 Tasks	Activity 5.4 Status
<ul style="list-style-type: none"> • 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 several joint North Central All-Hazards Region (NCR) Board and Denver Urban Area Security Initiative (UASI) and meetings ▪ Attended several North Central All-Hazards Region (NCR) Cybersecurity subcommittee meetings and one table-top exercise ▪ Participated in the Denver UASI Threat Hazard Identification and Risk Assessment (THIRA) Exercise
<ul style="list-style-type: none"> • 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"> ▪ Ongoing

Activity 5.5 Transportation Safety Planning

Activity 5.5 Tasks	Activity 5.5 Status
<ul style="list-style-type: none"> • 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 geocoding 2015 data (latest data year available)
<ul style="list-style-type: none"> • House the annual crash database of all crashes in the region and disseminate data 	<ul style="list-style-type: none"> ▪ Ongoing
<ul style="list-style-type: none"> • Prepare crash and safety analyses, as needed 	<ul style="list-style-type: none"> ▪ Ongoing
<ul style="list-style-type: none"> • Respond to requests for information 	<ul style="list-style-type: none"> ▪ Ongoing
<ul style="list-style-type: none"> • Prepare a Regional "Vision Zero" or "Towards Zero Deaths" plan 	<ul style="list-style-type: none"> ▪ Initiating regional Vision Zero Action Plan, currently developing consultant RFP and Scope of Work

Activity 5.5 Deliverables	2018
<ul style="list-style-type: none"> • Establish HSIP 2018 safety targets (five federal measures) 	<ul style="list-style-type: none"> ▪ Adopted by DRCOG Board in January 2018 (2018 targets)
<ul style="list-style-type: none"> • Documentation of Federal safety baseline performance measures for DRCOG region 	<ul style="list-style-type: none"> ▪ Adopted 2018 safety targets and baseline data incorporated into amended/updated 2040 MVRTP
<ul style="list-style-type: none"> • Incorporate crash data into Active Transportation Plan 	<ul style="list-style-type: none"> ▪ Completed draft ATP Bicycle and Pedestrian Crash report which utilized crash data from years 2010 – 2015
<ul style="list-style-type: none"> • Initiate Regional Vision Zero/Towards Zero Deaths plan 	<ul style="list-style-type: none"> • Initiating regional Vision Zero Action Plan, currently developing consultant RFP and Scope of Work

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Activity 6.1 Regional Transit/Human Service Transportation Planning and Coordination

Activity 6.1 Tasks	Activity 6.1 Status
<ul style="list-style-type: none"> 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"> Attended 16 DRMAC meetings and 1 training including: <ul style="list-style-type: none"> 3 DRMAC Membership 8 DRMAC Board 3 Denver Local Coordinating Council 2 Regional Coordinating Council
<ul style="list-style-type: none"> 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"> Initiated work on Veterans Transportation and Community Living Initiative (VTCLI) grant <ul style="list-style-type: none"> Improves coordination amongst human service transportation providers across the region through technological infrastructure Working with software firm to develop trip exchange to better facilitate human service transportation coordination Procured Veterans component of Network of Care web-based information and referral tool Held 6 meetings with stakeholders Working with CDOT, FTA, and stakeholders to become direct recipient of FTA 5310 to better coordinate that program with Older Americans Act and 2020-2023 TIP Human Services Transportation set-aside
<ul style="list-style-type: none"> 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"> Developed set aside for vulnerable population (e.g., older adults and individuals with disabilities) transportation that will be included in the 2020-2023 TIP
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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)
<ul style="list-style-type: none"> Maintain a performance tracking report on TIP funded transit projects 	<ul style="list-style-type: none"> Maintained and updated performance tracking report
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Conduct a new Call for Projects for the new Human Services Set-Aside in the 2020-2023 TIP 	

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Activity 6.1 Deliverables	2018
<ul style="list-style-type: none"> Maintain and update Coordinated Public Transit-Human Services Transportation Plan (Coordinated Plan) 	<ul style="list-style-type: none"> Continued to maintain and update Coordinated Plan

Activity 6.2 FasTracks Review and Assessment

Activity 6.2 Tasks	Activity 6.2 Status
<ul style="list-style-type: none"> 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"> No submittal by RTD
<ul style="list-style-type: none"> 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"> Not applicable
<ul style="list-style-type: none"> Provide to the DRCOG Board RTD's annual FasTracks Status Report (due to DRCOG by May 1st) 	<ul style="list-style-type: none"> Submitted by RTD and presented to the DRCOG Board

Activity 6.2 Deliverables	2018
<ul style="list-style-type: none"> 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"> No submittal by RTD
<ul style="list-style-type: none"> RTD 2018 FasTracks Annual Status Report 	<ul style="list-style-type: none"> Began compiling information for report

Activity 6.3 RTD and CDOT Local Government Planning Process

Activity 6.3 Tasks	Activity 6.3 Status
<ul style="list-style-type: none"> 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"> Ongoing
<ul style="list-style-type: none"> 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"> Held local government / planning meetings in November 2017, March 2018, and June 2018

Activity 6.4 RTD Strategic Budget Plan

Activity 6.4 Deliverables	2018
<ul style="list-style-type: none"> Prepare the 2018-2023 Strategic Budget Plan for input into the Transportation Improvement Program 	<ul style="list-style-type: none"> Prepared the 2018-2023 Strategic Budget Plan for input into the Transportation Improvement Program in October 2017

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Activity 6.5 RTD System Planning Process

Activity 6.5 Tasks	Activity 6.5 Status
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Prepare quarterly Park-n-Ride use reports 	<ul style="list-style-type: none"> Completed 2017 Q3, 2017 Q4, and 2018 Q1 reports (<i>see email attachment</i>)
<ul style="list-style-type: none"> Prepare biannual Park-n-Ride user distribution geocoding and mapping 	<ul style="list-style-type: none"> Conducted annual license plate survey in November 2017 Continued compiling results of 2015/2016 reports, while awaiting response from DMV for data Anticipate completing 2018 survey in November
<ul style="list-style-type: none"> Participate in local jurisdiction land-use planning processes for station areas 	<ul style="list-style-type: none"> Ongoing
<ul style="list-style-type: none"> 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"> City & County of Denver at Broadway/I-25 - Potential parking structure to allow development on existing surface parking – Effort is on hold City & County of Denver at 29th & Welton - Developer chosen to develop affordable housing on surface lot City & County of Denver 10th & Osage - Worked with City and Denver Housing Authority for use of RTD property at station – Effort is on hold City of Arvada - Worked with Arvada to finalize RTD land transfer which will allow residential development at Olde Town Station – Land transferred July 2018 Working with City & County of Denver and developer on 100 percent permanent affordable housing development at Sheridan Station. Development would rely on long-term lease of RTD garage spaces
<ul style="list-style-type: none"> Benchmark TOD activity in annual status report and FasTracks Quality of Life study 	<ul style="list-style-type: none"> Quality of Life update completed August 2018:
<ul style="list-style-type: none"> Provide ongoing TOD education and outreach 	<ul style="list-style-type: none"> Ongoing Met with every local jurisdiction that currently has a rail station to discuss local TOD plans for the station areas

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Activity 6.7 FasTracks Program Management and Planning Assistance

Activity 6.7 Tasks	Activity 6.7 Status
<ul style="list-style-type: none"> 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"> Preparation of FasTracks Change Report(s) for DRCOG 	
<ul style="list-style-type: none"> Other assorted engineering, planning, and environmental activities for FasTracks 	

Activity 7.1 Develop and Maintain Information Systems

Activity 7.1 Tasks	Activity 7.1 Status
<ul style="list-style-type: none"> Develop, maintain, and update tools, applications, and visualizations that allow internal and external users to explore and consume information (e.g., Regional Equity Atlas, TRIPS, the TIP webmap, Denver Regional Visual Resources (DRVR), traffic signal webmap) 	<ul style="list-style-type: none"> Created a new version of the Signal Timing Briefs web map and optimized the traffic operations database by migrating it to a new platform. Updated DRVR visualizations including Community Profiles, Legislative Profiles, Crashes on our Roadways, Millennials and Boomers, Regional Employment Centers, How Does the Region Get to Work, Aging Population by County, and Growing Older
<ul style="list-style-type: none"> 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"> Launched a significant update of the Regional Data Catalog, which has improved searched features, better organization and more content Decommissioned the Data Portal in favor of a solution with lower maintenance costs
<ul style="list-style-type: none"> 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 support the Community Profile and Legislative Profile visualizations by updating them with the most current ACS data
<ul style="list-style-type: none"> 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"> Held 3 Data Consortium meetings (with record-breaking attendance) and distributed 4 newsletters. Hosted a training on new GIS software (ArcGIS Pro) and a workshop on creating open data sites
<ul style="list-style-type: none"> 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"> Collected data from local governments through annual data collection effort Continued to purchase employment and housing data
<ul style="list-style-type: none"> Maintain an internal and external data repository 	<ul style="list-style-type: none"> Continued to maintain internal repository by adding new data and upgrading server Maintained external repository by launching new site and curating content

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Activity 7.1 Tasks	Activity 7.1 Status
<ul style="list-style-type: none"> Coordinate the acquisition of regional datasets through the Denver Regional Data Consortium and Denver Regional Aerial Photography Projects 	<ul style="list-style-type: none"> Completed the 2016 Planimetric Project Started the 2018 DRAPP and Planimetrics projects Started the 2018 Land Use Land Cover project (imagery derivative), including partner convening and initial requirements gathering (new project for DRCOG and our partners)
<ul style="list-style-type: none"> Perform GIS analysis for decision-support and performance measurement 	<ul style="list-style-type: none"> Measured Metro Vision metrics using datasets built in-house for housing, employment, and open space
<ul style="list-style-type: none"> Maintain internal processes and infrastructure in support of application and tool development 	<ul style="list-style-type: none"> Maintained processes in wiki Upgraded database server Upgraded software (ArcGIS Desktop, ArcGIS Pro, and SQL Server)
<ul style="list-style-type: none"> Complete the local data collection and regional dataset creation efforts 	<ul style="list-style-type: none"> Completed the local data collection and updated corresponding regional datasets
<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Held a workshop for local governments Received LUCA data on behalf of 6 communities Started to plan strategically for PSAP, including coordinating internal and external meetings, compiling suggested changes, and drafting an initial plan for stakeholder comment

Activity 7.1 Deliverables	2018
<ul style="list-style-type: none"> Initiate the 2018 Denver Regional Aerial Photography Project (DRAPP) 	<ul style="list-style-type: none"> Completed spring flights in the Front Range in March 2018 and summer flights in the mountains in June 2018 Provided partners with access to interim imagery in a WMS Started QAQC coordination efforts in fall 2018
<ul style="list-style-type: none"> Create a new baseline dataset for UrbanSim 	<ul style="list-style-type: none"> Developed and delivered data to the modeling team for integration into the model
<ul style="list-style-type: none"> Submit LUCA data to the US Census on behalf of our member governments 	<ul style="list-style-type: none"> Received and submitted LUCA data on behalf of 6 communities

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Activity 7.2 Land Use Modeling and Forecasting

Activity 7.2 Tasks	Activity 7.2 Status
<ul style="list-style-type: none"> Maintain and refine UrbanSim model, as needed 	<ul style="list-style-type: none"> Completed development of a cloud-based version of UrbanSim Refined UrbanSim code Updated base year (2010 to 2015)
<ul style="list-style-type: none"> 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"> Worked with a third-party vendor to integrate 3D mapping and analysis features into DRCOG's land use model and associated tools
<ul style="list-style-type: none"> Develop and maintain economic forecasting tools in support of UrbanSim 	<ul style="list-style-type: none"> Developed an in-house econometric model to produce new control forecasts for employment in FY17 Used newly developed in-house econometric model to produce new control forecasts for employment for the upcoming MVRTP Continued to work with local governments to review small-area forecast results
<ul style="list-style-type: none"> Develop and distribute informational products at the local and regional level (e.g., Regional Economic Reports) 	<ul style="list-style-type: none"> Focused on model improvements that will allow more potential users to generate analysis and informational products
<ul style="list-style-type: none"> Support work groups associated with forecasting, modeling, and planning efforts detailed in the UPWP 	<ul style="list-style-type: none"> Supported a number of groups, both internal and external, with forecasting, model simulation, economic analysis (External groups include RTD, various consultants working on transportation planning studies on behalf of member governments, Denver Public Schools, and Denver Water)

Activity 7.2 Deliverables	2018
<ul style="list-style-type: none"> Calibrate and validate the UrbanSim land use model with updated base year data 	<ul style="list-style-type: none"> Updated base year data available in the newly developed cloud-based version of UrbanSim
<ul style="list-style-type: none"> Cloud-based modeling system including: UrbanSim, macroeconomic model, and population synthesizer 	<ul style="list-style-type: none"> Completed development of a cloud-based version of UrbanSim

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Activity 7.3 Transportation Modeling and Forecasting

Activity 7.3 Tasks	Activity 7.3 Status
<ul style="list-style-type: none"> 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"> Provided travel model to consultants/CDOT/RTD for use on several NEPA and PEL corridor, and other studies Started discussions with CDOT to run the model in-house and provide data for upcoming study Used model output data for April 2018 adopted 2040 MVRTP and associated AQ Conformity Determination documents Posted model output traffic volumes (2015 & 2040) on DRCOG website for easier access to consultants and other common requesting agencies
<ul style="list-style-type: none"> 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 "RTP-2017" Focus model update, incorporating many improvements Continued work on improvements for "RTP-2018" Focus, addressing: <ul style="list-style-type: none"> UrbanSim-Focus job/worker balance School location, enrollment, future sites (with RPD Division) University dorm students Transit path choices Bicycle and walk trips
<ul style="list-style-type: none"> 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"> Minor modifications made to CV model. Continued research on package delivery trips
<ul style="list-style-type: none"> 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"> Continued discussion on statewide household travel survey with CDOT and RTD
<ul style="list-style-type: none"> Collaborate with CDOT in developing the statewide activity-based (ABM) model 	<ul style="list-style-type: none"> Communicated with CDOT on topics and issues that arise with the statewide model creation Assisted and monitored special modeling study of impacts of connected vehicles and autonomous vehicles
<ul style="list-style-type: none"> 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"> Incorporated base results into 2017 model validation (Further detailed data will be used for the 2018 model)
<ul style="list-style-type: none"> Work with RTD to evaluate methods for improving Focus model ridership forecasts regarding Park-n-Ride and Transit -Oriented Development outcomes 	<p>Worked with RPD Division on model runs for a SHRP2 funded analysis of impacts of land use/transportation changes on sample TODs and Urban Centers</p>

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Activity 7.3 Tasks	Activity 7.3 Status
<ul style="list-style-type: none"> Investigate developing a spatial visualization tool for CVS data 	<ul style="list-style-type: none"> Investigated, but low priority for now
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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"> Began testing new attributes and utility functions to incorporate into 2018 model
<ul style="list-style-type: none"> Work with RPD Division on a new methodology for forecasting future school locations 	<ul style="list-style-type: none"> RPD Division provided new base year 2015/16 school location and enrollment files. Developed new Future School Location methodology and results
<ul style="list-style-type: none"> Evaluate and if cost effective, implement the Highway/Transit Master Network for maintaining different projects 	<ul style="list-style-type: none"> Monitored Caliper Corporation advancements on this TransCAD component
<p>2010 Front Range Travel Counts/Household Travel Survey:</p> <ul style="list-style-type: none"> Further incorporate into Focus model components Collaborate with CDOT to re-estimate the model coefficients 	<ul style="list-style-type: none"> Incorporated additional calibration elements to the FRTC survey in RTP-2017 and RTP-2018 models Completed draft calibration report Ongoing
<ul style="list-style-type: none"> Provide model components and outputs to planning partners, local governments, or consultants conducting NEPA or other studies 	<ul style="list-style-type: none"> Provided travel model and assistance on: <ul style="list-style-type: none"> S. I-25 Gap EA and PEL Central I-25 PEL Mobility Choice Blueprint SH-119 BRT SH-7 BRT WestConnects/C-470 Northeast Aurora Transportation Study Wadsworth TIP Project EA N. I-25 Vasquez/I-270 PEL US-85 Interchanges NEPA Regional BRT Study East I-70 Interchange System Study Arapahoe Road Operations Study
<ul style="list-style-type: none"> 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	2018
<ul style="list-style-type: none"> Create 2015 base year model including new calibration and traffic/ridership validation 	<ul style="list-style-type: none"> Developed new validated 2015 base year model for use with RTP-2018 amendment cycle

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Activity 7.3 Deliverables	2018
<ul style="list-style-type: none"> Complete updated Focus model runs and output data files used for air quality conformity determinations 	<ul style="list-style-type: none"> Completed Cycle 2017-RTP amendments model runs

Activity 7.4 Maintain Transportation and Related Data

Activity 7.4 Tasks	Activity 7.4 Status
<ul style="list-style-type: none"> 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"> Collected and processed: <ul style="list-style-type: none"> Current year roadway revenue and expenditure by local governments Current year roadway (On-System & Off-System) data attributes/information Calculated statistical center miles and lane miles information by county (incorporated & unincorporated)
<ul style="list-style-type: none"> 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 count data for DRCOG region from CDOT, local governments, toll authorities and consultants Performed quality control check and other data validity and entered into the traffic count database
<ul style="list-style-type: none"> Continuously update the DRCOG website traffic count map to show count data for the last three years 	<ul style="list-style-type: none"> Completed, shows updated traffic counts mostly for 2015, 2016, and 2017 provided by CDOT, local governments and consultants
<ul style="list-style-type: none"> Improve methods for calculations of greenhouse gas and air quality measures 	
<ul style="list-style-type: none"> Collect transit ridership, Park-n-Ride lot user data, and other transit-related data from RTD 	<ul style="list-style-type: none"> Completed the collection of transit-related data, annual park-n-ride utilization and transit ridership
<ul style="list-style-type: none"> Obtain bridge and pavement condition data from CDOT and local governments, as needed 	<ul style="list-style-type: none"> Completed the collection of bridge and pavement condition data, processing bridges on regional roadway system
<ul style="list-style-type: none"> Transfer state highway crash data into the DRCOG linear reference system and geocode crashes on non-state roadways 	
<ul style="list-style-type: none"> Edit the transportation information database per plan amendment and update various travel model networks staging respectively 	<ul style="list-style-type: none"> Ongoing