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- Continue to research, integrate and implement interactive internet-based technologies and other methods to support the public participation process, as necessary and appropriate
- Maintain and update DRCOG's plans and documents addressing public involvement, environmental justice, and Title VI/Limited English proficiency
- Implement engagement and outreach strategies identified in the updated Public Engagement Plan
- Evaluate the effectiveness of public engagement efforts
- As requested, conduct DRCOG-led short courses on Metro Vision and the transportation planning process

### **Deliverables:**

2020

- Summaries of public meetings, hearings, and workshops

2021

- Summaries of public meetings, hearings, and workshops

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

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

**Purpose:** Provide education, outreach, and support to local governments and other stakeholders.

### **Tasks:**

- Educate local governments and other interested parties about the DRCOG transportation planning process, federal regulations, and associated documents
- Meet with local governments about their transportation planning issues and needs
- Meet with local governments, and their planning and development partners, about local planned growth and development patterns
- 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
- Develop and distribute data, web maps, and informational products at the local and regional level (e.g., Community Profiles, Legislative Profiles)
- Facilitate forums for data professionals in the region to collaborate on GIS data and information (e.g., Denver Regional Data Consortium)
- Develop and distribute factsheets, reports, white papers, brochures, and other collateral materials needed to communicate critical regional issues to the Board, regional stakeholders, and the public
- Work collaboratively across jurisdictions, agencies, and organizations to conduct stakeholder outreach and engagement processes to better inform and involve communities in planning and decisions that impact them
- Facilitate/host transportation-related webinars and other educational events

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

## **Activity 2.4 Interregional, Regional, and Corridor Planning Coordination**

**Purpose:** Maintain the working relationship and coordination of planning efforts between DRCOG and its local governments, planning partners, and neighboring transportation agencies to address transportation issues and opportunities.

### **Tasks:**

- Maintain communication and exchange information with other regional stakeholders, including neighboring counties and the state on transportation, land use, and economic development issues
- Coordinate with neighboring counties, MPOs, and TPRs on planning for transportation facilities and services adjacent to mutual border; attend Statewide MPO Committee meetings; coordinate with neighboring MPOs on growth and development forecasting
- Monitor, participate, and assist with statewide or interregional transportation planning activities, corridor studies, NEPA studies, PELs, and funding opportunities
- Provide model components and outputs to planning partners, local governments, or consultants conducting NEPA or other studies
- 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
- 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
- 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
- Participate in regional transportation funding initiative

**Participants:** DRCOG (lead), CDOT, RTD

## **Activity 2.5 FAST Act Performance Measure Reporting**

**Purpose:** Update, compile, and report on regional performance measures related to regional transportation planning processes.

### **Tasks:**

- Compile data associated with various regional performance measures
- Work with CDOT, RTD, FHWA, and FTA to set targets and develop baselines for each FAST Act-required performance-based planning measure
- Prepare performance measure reports, and/or assisting CDOT with preparing performance measure reports, for FAST Act performance measures
- Maintain performance tracking reports on TIP-funded projects
- Prepare/update CMAQ performance plan of TIP-funded projects

### **Deliverables:**

2020

- FAST Act-required performance targets

2021

- FAST Act-required performance targets
- Fast Act performance measures report

**Participants:** DRCOG (lead), CDOT, RTD

### **Activity 2.6 Air Quality and Conformity**

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

**Tasks:**

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

**Deliverables:**

2020 and 2021

- Annual Conformity Determination Reports

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

**OBJECTIVE 3.0 LONG RANGE PLANNING**

**Activity 3.1 Metro Vision Plan – Collaboration and Implementation Assistance**

**Purpose:** Work with local and regional partners to continuously evaluate and implement Metro Vision.

**Tasks:**

- Collect, compile, and purchase data in support of Metro Vision collaboration and implementation activities
- Develop and provide decision-support tools to local jurisdictions, regional partners, and the public
- Provide individualized technical assistance to communities for the purposes of implementing Metro Vision
- 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.
- 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
- Sponsor events, organize workshops, and collaborate with organizations that are working to support Metro Vision outcomes (e.g. Metro Vision Idea Exchanges)
- Coordinate with local governments on member-sponsored plan amendments (e.g., new urban centers, other policy amendments)
- 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)
- Collaborate with communities using DRCOG’s Boomer Bond assessment tool to help address impacts of region’s rapidly increasing aging population
- Work with local governments to develop programs, data partnerships, 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
- Prepare Regional Complete Streets Toolkit that provides best practices for context-sensitive local street designs that support multi-modal access
- Facilitate the review, evaluation and process to update intergovernmental agreement(s) designed to assist local governments in their efforts to individually and collectively plan for, and address, regional growth

**Deliverables:**

2020

- Regional Complete Streets Toolkit
- Amendments (if any) to Metro Vision

2021

- Amendments to Metro Vision to reflect new horizon year of MVRTP and any other adjustments to ensure consistency

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

## Activity 3.2 Metro Vision Plan – Research and Performance Management

**Purpose:** Research and share data and information that may illustrate progress toward plan outcomes.

**Tasks:**

- Routinely analyze progress on Metro Vision outcomes, including documentation of successes and ongoing challenges
- Provide data, tools, case studies, and information that support and document local and region initiatives that contribute to Metro Vision outcomes and objectives (e.g. connecting people to open space, preparing for and minimizing the impact of natural disasters, increasing access to opportunity, and diversifying the region’s housing stock, etc.)
- Collect, compile, and purchase data in support of Metro Vision performance measurement
- Develop and maintain tools and applications that enable data exchange among local jurisdictions, regional partners, and DRCOG
- Develop, maintain, and update the Denver Regional Visual Resources (DRVR) that allow internal and external users to explore and consume information
- Survey local governments, the public, and other stakeholders to understand local and regional planning challenges, opportunities, and needs
- 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
- Develop and provide information on key economic trends influencing the region’s forecasted growth
- Support regional and local scenario analysis, including impacts of alternative land use and development patterns

**Deliverables:**

2020

- Populate metrovision.drcog.org with research (e.g. Metro Vision performance measure reporting, infographics, community highlights, external resources, etc.)
- Metro Vision 2020 retrospective
- Perspectives on Transit scoping and approach alternatives
- Regional research briefings

2021

- Populate metrovision.drcog.org with research (e.g. Metro Vision performance measure reporting, infographics, community highlights, external resources, etc.)
- Perspectives on Transit (3<sup>rd</sup> version of longitudinal survey, also referred to “Who is TOD?”)
- Regional research briefings

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

### **Activity 3.3 Metro Vision Regional Transportation Plan**

**Purpose:** Maintain the 2040 Metro Vision Regional Transportation Plan (2040 MVRTP), and prepare and adopt the 2050 MVRTP.

#### **Tasks:**

- 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
- Prepare and implement a proactive and robust public and stakeholder engagement plan and process for the 2050 MVRTP
- Prepare 2050 land use/socioeconomic forecasts
- 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
- Conduct scenario planning analyses to test land use/urban form and multimodal transportation investment priorities
- 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
- Define expenditures and allocate revenues and expenditures to projects and project categories
- Identify fiscally constrained regionally significant roadway, interchange, and rapid transit capacity projects
- Provide travel model data results in support of 2040 Metro Vision Regional Transportation Plan (MVRTP) amendments and the 2050 MVRTP
- Complete travel model and air quality conformity modeling analyses for the draft fiscally constrained network
- Prepare the 2050 MVRTP document to address all federal requirements and document the planning process and recommended plan
- Conduct a public hearing and adopt the 2050 MVRTP
- Complete the DRCOG Regional Multimodal Freight Plan derived from CDOT's Statewide Multimodal Freight Plan
- Incorporate the DRCOG Regional Multimodal Freight Plan and Active Transportation Plan into the 2050 MVRTP
- Participate in the National Highway Freight Program project selection process and designate Critical Urban Freight Corridors (as needed) based on project selection
- Participate in Freight Advisory Council meetings

#### **Deliverables:**

2020

- Amendments (if any) to the 2040 MVRTP
- DRCOG Regional Multimodal Freight Plan
- New baseline dataset for UrbanSim Block Model
- Baseline small area forecasts of population, households, and employment to 2050
- Land use scenario analysis in support of 2050 MVRTP

2021

- Complete and adopt the 2050 MVRTP

**Participants:** DRCOG (lead), CDOT, RTD, local governments, and other stakeholders and partner agencies

### **Activity 3.4 Pedestrian and Bicycle Planning**

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

**Tasks:**

- Monitor progress on TIP-funded and other bicycle and pedestrian projects
- Maintain facility inventory and mapping products for bicycle facilities in the Denver region. Monitor new sources, methodologies and applications for providing information
- Collect regional bicycle facility counts
- Develop resources and training to share bicycle facility inventory schema with regional partners
- Continue regional active transportation meetings/summits to facilitate communication and provide educational opportunities
- Convene regional Micromobility Work Group to discuss opportunities to identify shared regional approach to micromobility services and operations
- Respond to requests for assistance regarding local pedestrian and bicycle planning topics and projects
- Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region
- Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested
- Maintain a performance tracking report on TIP-funded bicycle and pedestrian projects

**Deliverables:**

2020

- Regional bicycle count data management plan
- Regional bicycle facility counts
- Develop regional micromobility framework and procedures

2021

- Conduct regional bicycle facility counts
- Implement regional micromobility framework and procedures

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



## **OBJECTIVE 4.0 PROJECT PROGRAMMING**

### **Activity 4.1 Prepare Transportation Improvement Program**

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

**Tasks:**

- Prepare an assessment of the 2020-2023 dual model TIP process
- Work with project sponsors, CDOT, and RTD to rollover all appropriate 2020-2023 TIP projects and funding to a new 2022-2025 TIP document
- Prepare a 2022-2025 TIP document for committee review and Board adoption in Summer 2021

**Deliverables:**

2020

- 2020-2023 dual model TIP process assessment

2021

- Adopt 2022-2025 TIP document

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

### **Activity 4.2 Transportation Improvement Program Set-Asides Selections**

**Purpose:** Set policy, select projects, and maintain and monitor the Transportation Improvement Program (TIP) Set-Asides to be funded with federal resources.

**Tasks:**

- Set call for project procedures for each set-aside
- Conduct appropriate calls once procedures are adopted by the DRCOG Board
- Ensure selected projects are incorporated into the adopted TIP

**Deliverables:**

2020

- Adopt policies, procedures, and projects for the TDM non-infrastructure and Regional Transportation Operations and Technology Set-Asides

2021

- Adopt policies, procedures, and projects for the TDM non-infrastructure, Regional Transportation Operations and Technology, Community Mobility Planning Implementation, and Human Services Transportation Set-Asides

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

### **Activity 4.3 Transportation Improvement Program Management**

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

**Tasks:**

- Prepare amendments and monthly administrative modifications to the 2020-2023 TIP and the subsequent 2022-2025 TIP, and maintain an amended version of the



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TIP document on DRCOG's website and in the Transportation Regional Improvement Projects and Survey (TRIPS) database, as necessary

- Conduct appropriate project programming activities when additional revenues are made available or decreased
- Provide financial and project coordination assistance to implementing agencies and project sponsors
- Conduct activities with CDOT and local governments to continuously refine the IGA and contracting processes
- Monitor the progress status and results of TIP projects
- Develop, maintain, and update the TRIPS project database and TIP web map

### **Deliverables:**

2020

- FY 2019 Projects Delayed Report
- FY 2019 Annual Listing of Obligated Projects

2021

- FY 2020 Projects Delayed Report
- FY 2020 Annual Listing of Obligated Projects

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

## **OBJECTIVE 5.0 TRANSPORTATION OPERATIONS**

### **Activity 5.1 DRCOG Congestion Management Process**

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

**Tasks:**

- Update the Congestion Mitigation Program (CMP) databases annually
- Update formulas and factors for delay calculations, as needed. Evaluate new data sources and methodologies (e.g., INRIX, HERE, StreetLight)
- Prepare public information and outreach documents and presentations, including summaries of CMP data
- Maintain and update CMP pages on the DRCOG website
- Monitor federal (FAST Act) and statewide congestion measure rules, measures, targets, and procedures. Compile required calculations as needed
- Maintain performance tracking report on TIP-funded roadway projects
- Review CMP per recommendation of 2016 Federal Planning Certification Review

**Deliverables:**

2020

- CMP Project Tracking Report summarizing status and results of congestion mitigation projects funded in the TIP and completed by FY 2018
- Annual Report of Traffic Congestion in the Denver Region

2021

- Annual Report of Traffic Congestion in the Denver Region

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

### **Activity 5.2 Regional Travel Demand Management (TDM) Planning**

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

**Tasks:**

- Monitor progress and results of projects funded through the TIP Regional TDM Set-Aside, including activities of the Regional TDM Program
- Monitor new types of TDM activities and techniques
- Monitor and assist with “last-mile” studies and analyses associated with various transit stations
- Coordinate TDM project benefit calculation methodology and training with regional and statewide partners

**Deliverables:**

2020

- Evaluate results of past TDM set-aside and TDM services projects

2021

- Evaluate results of past TDM set-aside and TDM services projects

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

### **Activity 5.3 Regional Transportation Operations & Technology**

**Purpose:** Provide a Regional Transportation Operations technical perspective to the Metro Vision planning process, assure project conformance with the Regional ITS Architecture and the Regional Transportation Operations Improvement Program, and continue to facilitate cooperative work on transportation technology deployment and day-to-day transportation operations.

**Tasks:**

- Coordinate and facilitate meetings and activities of the Regional Transportation Operations Working Group
- 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
- Assist project sponsors with DRCOG Regional ITS Architecture and other transportation technology project implementation, as requested
- Maintain the DRCOG Regional ITS Architecture
- Monitor and participate on national, state, regional, and local mobility technology efforts
- Monitor and participate on transportation incident management committees efforts
- Incorporate technology and operations strategies into the Congestion Management Process analyses, measures, and public information products
- Maintain and update Regional Transportation Operations and other applicable DRCOG web site pages
- Develop, maintain, and update the traffic signal web map
- Assist in the establishment of foundational transportation technology initiatives with an emphasis on inter-jurisdictional and interagency procedures and agreements

**Deliverables:**

2020

- Feasibility study for pilot implementation of regional traffic operations monitoring support
- Update RTO&T Improvement Program with projects using available funds identified in the RTO&T set-aside of the DRCOG 2020-2023 TIP
- Annual update to the DRCOG Regional ITS Architecture
- Regional Transportation Operations and Technology Plan

2021

- Annual update to the DRCOG Regional ITS Architecture

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

### **Activity 5.4 Transportation Security Planning**

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

**Tasks:**

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

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

### Activity 5.5 Transportation Safety Planning

**Purpose:** Incorporate safety data and analyses into transportation planning and public awareness activities.

**Tasks:**

- Geocode and perform quality checks on crashes in the Denver region that are off the state highway system, as data is made available
- House the annual crash database of all crashes in the region and disseminate data
- Prepare crash and safety analyses, as needed
- Respond to requests for information
- Complete the DRCOG Regional Vision Zero Action Plan

**Deliverables:**

2020

- 2020 safety targets (five federal measures)
- Documentation of federal safety baseline performance measures for DRCOG region
- Regional Vision Zero Action Plan

2021

- 2021 safety targets (five federal measures)
- Documentation of federal safety performance measures and progress for DRCOG region

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

### Activity 5.6 Mobility Choice Blueprint and Advanced Mobility Partnership

**Purpose:** Implement tactical actions and other recommendations of the Mobility Choice Blueprint report and planning process

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**Tasks:**

- Work with CDOT, RTD, and other stakeholders to implement Mobility Choice Blueprint recommendations, including planning processes, funding, projects, and other efforts
- Attend routine Project Management Team meetings

**Deliverables:**

2020

- Identify technical and policy issues, develop implementation priorities, prepare recommendations, and other tasks
- Continue the Micromobility Work Group to facilitate shared learning and potential shared standards and approaches to dockless mobility for local governments
- Identify other near-term priorities for implementation

2021

- Continue implementation activities

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

## **OBJECTIVE 6.0 PUBLIC TRANSPORTATION PLANNING**

### **Activity 6.1 Regional Transit/Human Service Transportation Planning and Coordination**

**Purpose:** Improve regional transit access and mobility through increased planning and coordination.

**Tasks:**

- Participate with the Denver Regional Mobility and Access Council (DRMAC) and other groups on efforts to improve coordination of human service transportation
- Coordinate with DRMAC, DRCOG's Area Agency on Aging (AAA), Local Coordinating Councils (LCCs), and other stakeholders to plan for, develop, and implement regional human service transportation coordination strategies
- Work with stakeholders to better leverage and integrate various human service transportation funding sources and activities to increase service and people served
- Compile ongoing service data from RTD to use for the travel model, plans, reports, and other activities as needed
- Coordinate with RTD, CDOT, and LCCs on the selection, implementation, and performance of FTA grant-funded transit projects within the DRCOG region
- Maintain a performance tracking report on TIP funded transit projects
- Explore becoming 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
- Begin implementation with CDOT for the new Human Services Set-Aside in the 2020-2023 TIP and FTA 5310 in the Denver-Aurora Urbanized Area for calendar year 2020

**Deliverables:**

2020

- Maintain and update Coordinated Public Transit-Human Services Transportation Plan (Coordinated Plan)

2021

- Complete and achieve objectives of Veterans Transportation and Community Living Initiative Grant

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

### **Activity 6.2 FasTracks Review and Assessment**

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

**Tasks:**

- 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.)
- 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

- Provide RTD's annual FasTracks Status Report to the DRCOG Board (due to DRCOG by May 1<sup>st</sup>)

**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
- RTD 2020 FasTracks Annual Status Report

2021

- 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
- RTD 2021 FasTracks Annual Status Report

**Participants:** DRCOG, RTD

**Activity 6.3 RTD and CDOT Local Government Planning Process**

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

**Tasks:**

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

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

**Activity 6.4 RTD Financial Planning**

**Purpose:** To prepare the RTD Midrange Financial Plan/FTA Program of Projects for the 2016-2021 and the 2017-2022 time frames.

**Task:**

- Evaluation of the FasTracks program, including revised capital costs, schedule, and preparation of program management plans for FasTracks corridors

**Deliverables:**

2020

- 2018-2023 Midrange Financial Plan for input into the TIP

2021

- 2019-2024 Midrange Financial Plan for input into the TIP

**Participants:** RTD

**Activity 6.5 RTD Base System Planning**

**Purpose:** Provide base system-level planning for the rapid transit corridors, the regional bus network, and transit facilities.

**Tasks:**

- Continue oversight of base system planning process
- Other assorted engineering, planning, and environmental activities

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- Conduct Transportation Transformation Comprehensive Plan to:
  - 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

### **Deliverables:**

2021

- System Optimization Plan
- Mobility Plan for the Future

**Participants:** RTD (Lead), DRCOG, CDOT

### **Activity 6.6 Transit Facility Planning**

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

### **Tasks:**

- Prepare quarterly Park-n-Ride use reports
- Prepare biannual Park-n-Ride user distribution geocoding and mapping
- Participate in local jurisdiction land-use planning processes for station areas
- Pursue joint development at RTD transit stations where practical and consistent with local government land use plans and state law governing eminent domain and RTD operations
- Regional Transit Oriented Development (TOD) Opportunity Study
- Mobility Hub planning at priority locations identified in partnership among RTD, CDOT and DRCOG
- Benchmark Transit Oriented Development (TOD) activity in annual status report and FasTracks Quality of Life study
- Provide ongoing TOD education and outreach
- Support facility planning

### **Deliverables:**

2020

- Regional TOD Opportunity Study

2021

- Mobility Hub plan(s)



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

**Activity 6.7 FasTracks Program Management and Planning Assistance**

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

**Tasks:**

- Prepare FasTracks Change Report(s) for DRCOG

**Deliverables:**

2020

- FasTracks Change Report

2021

- FasTracks Change Report

**Participants:** RTD and DRCOG

## **OBJECTIVE 7.0 SUPPORT SYSTEMS FOR PLANNING**

### **Activity 7.1 Develop and Maintain Information Systems**

**Purpose:** Provide regional resources for the research, development, and deployment of tools and technologies, and provide data and information that support UPWP activities.

**Tasks:**

- Develop, maintain, and update data, tools, applications, and visualizations that allow internal and external users to explore and consume information 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)
- Maintain an internal data repository
- 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) Perform GIS analysis for decision-support and performance measurement
- Maintain internal processes and infrastructure in support of application and tool development
- Complete the local data collection and regional dataset creation efforts

**Deliverables:**

2020

- Initiate the 2020 Denver Regional Aerial Photography Project (DRAPP)
- Initiate the 2020 Regional Lidar Project

2021

- 2020 DRAPP deliverables
- 2020 Denver Regional Planimetric Project deliverables

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

### **Activity 7.2 Develop and Maintain Land Use Modeling and Forecasting Systems**

**Purpose:** Maintain, operate, expand, and refine the land use modeling and forecasting tools.

**Tasks:**

- Collect, compile, and purchase data in support of land use modeling
- 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)
- 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)
- Pursue improvements and enhancements UrbanSim model, as needed, including coordination with other MPOs and peer agencies on improvements to the Census Block model
- Develop and maintain economic forecasting tools in support of UrbanSim

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- Support work groups associated with forecasting, modeling, and planning efforts detailed in the UPWP

### **Deliverables:**

2020

- Improvements and enhancements to the UrbanSim model

2021

- Report detailing process to use DRCOG land use and forecasting tools to assist with local review of state forecasts

**Participants:** DRCOG (lead), local governments, DOLA

### **Activity 7.3 Transportation Modeling and Forecasting**

**Purpose:** Maintain, operate, expand, and refine the transportation modeling and forecasting tools.

### **Tasks:**

- Collect, compile, and purchase data in support of transportation modeling and forecasting
- Provide travel model data results in support of special requests
- Continue efforts to optimize and streamline Focus, DRCOG's regional travel demand forecasting model, for faster and more accurate results available to a wider range of users
- Update the Commercial Vehicle Travel Model with greater delineations and trip rates by vehicle type
- Collaborate with CDOT in developing the statewide activity-based (ABM) model
- Work with RTD to incorporate results of their 2015 system-wide on-board survey and new fare structure into the Focus model
- Work with RTD to evaluate methods for improving Focus mode-choice model component
- Explore/Evaluate uses and benefits of different model output visualization tools
- Evaluate implementing the Caliper Highway/Transit Master Network (for maintaining different projects) or other model process enhancements
- 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
- Participate on CDOT-led Statewide Household and other Travel Surveys
- Plan and participate in DEN travel surveys and data collection

### **Deliverables:**

2020

- Updated Commercial Vehicle Model component
- Complete updated and validated Focus model runs and output data files used for air quality conformity determinations and other studies

2021

- Complete updated and validated Focus model runs and output data files used for air quality conformity determinations and other studies
- DEN travel survey and data collection results

**Participants:** DRCOG (lead), CDOT, RTD

### **Activity 7.4 Maintain Transportation and Related Data**

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

**Tasks:**

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

**Deliverables:**

2020

- Transportation Improvement Survey

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

### **Activity 7.5 Regional Transportation Dataset/Data Platform**

**Purpose:** Identify opportunity to effectively collect, manage, and maintain transportation data from transportation providers.

**Tasks:**

- Convene a regional work group to identify needs, issues, and opportunities for a regional transportation dataset and data platform
- Explore options for collecting and managing transportation data
- Prepare recommendations

**Deliverables:**

2020

- Analysis and Feasibility Study

2021

- Regional Transportation Data Platform (if deemed feasible)

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

## V. OTHER MAJOR PLANNING ACTIVITIES

The following sections describe other major planning activities that will be ongoing during FY2020-2021.

### Identified in a previous/current Transportation Improvement Program

SPONSOR	DESCRIPTION
<b><i>Roadway and/or Transit-Related Study (Corridor/Interchange/Operational Studies/EA/EIS)</i></b>	
<b>Adams County</b>	I-270 Corridor Environmental Assessment
<b>Arapahoe County</b>	US-85 PEL Study: C-470 to I-25 Parker Rd. PEL Study: Mississippi Ave. to Hampden Ave.
<b>Aurora</b>	13th Ave. Corridor Multimodal Mobility Study
<b>Broomfield</b>	US-287/120th Ave. Multimodal & Safety Study Broomfield Transit Needs Assessment & Pilot Project Active Transportation Wayfinding Pilot Midway Blvd. Multimodal Corridor Action Plan
<b>CDOT Region 1</b>	West Connects PEL I-25 Operational Bus on Shoulder I-25 Central PEL C-470: Wadsworth to I-70
<b>CDOT Region 4</b>	Environmental Impact Statement of North I-25 (DUS to Ft. Collins) SH-52 PEL Study: SH-119 to I-76
<b>Denver</b>	Transit Speed & Reliability on Federal Blvd. 16 <sup>th</sup> St. Mall Rehabilitation NEPA High Line Canal Trail: Hampden/Colorado NEPA I-25/Broadway NEPA Quebec Reconstruction: 13 <sup>th</sup> to 26 <sup>th</sup> NEPA
<b>Englewood</b>	US-285 Congestion Management Study
<b>Jefferson County</b>	Front Range Trail Study Jefferson County Bike Master Plan Update
<b>Lone Tree</b>	I-25/Lincoln Ave. Traffic and Mobility Improvements
<b>RAQC</b>	Ozone State Implementation Plan (SIP) Modeling Study
<b>RTD</b>	SH 119 BRT NEPA Analysis: Boulder to Longmont Regional BRT Feasibility Study Mobility as a Service: Implementing an Open-Ticketing Platform RTD T2 Comprehensive Plan

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<i>Planning-Related Studies (Station Area, Master Plans)</i>	
<b>Boulder County</b>	SH-7 Arterial BRT Station Design, Connectivity, and ROW Needs
<b>Denver</b>	Neighborhood Planning Initiative: East Area Plan Far Northeast Next Steps Study

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**Colorado Department of Transportation, Division of Transportation  
Development – State Planning and Research Program (Summary)**

<b>SPONSOR</b>	<b>DESCRIPTION</b>
<b>CDOT</b>	Development Program / 10-year Strategic Project Pipeline 2045 Statewide Transportation Plan Risk-Based Asset Management Plan Update Statewide Travel Model

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**Non-Federally Funded & Local Governments Planning Activities**

SPONSOR	DESCRIPTION
<b>Arapahoe County</b>	County Transportation Plan Update Oil and Gas Transportation Impact Study I-70/Watkins and I-70/Airpark Interchange Alternatives/Feasibility Study
<b>City of Boulder</b>	30 <sup>th</sup> Street and Colorado Avenue Corridors Study: Engineering Design and Cost 2020 Boulder Valley Comprehensive Plan Update ADA Self Evaluation and Transition Plan Canyon Boulevard Complete Streets Corridor Study: Engineering Design and Cost Curb Management Study CU South Traffic Impact Study East Arapahoe Avenue and 55 <sup>th</sup> Street Station Area Study East Boulder Subcommunity Plan (including transportation connections and TDM) Pedestrian Master Plan Safe Streets Boulder Report and Action Plan Transportation Master Plan
<b>Castle Rock</b>	SH-86 Corridor Study: Franktown to US-85 Transit Feasibility Study
<b>Centennial</b>	Colorado Boulevard Assessment: County Line Road to Orchard Road Easter Avenue Corridor Study: Havana Street to Peoria Street
<b>Denver</b>	41 <sup>st</sup> and Fox Station Next Steps Plan Cherry Creek Area Next Steps Study Colfax BRT NEPA Complete Streets Design Guidelines Denver Moves: Downtown Denver Moves: Transit Phase 2 Denver Strategic Transportation Plan Update Federal Boulevard Alternatives Analysis Neighborhood Planning Initiative: Near Northwest Area Plan Neighborhood Planning Initiative: Near Southeast Area Plan Neighborhood Planning Initiative: West Area Plan Yale Corridor Study
<b>Douglas County</b>	2040 Transportation Plan Update I-25/Happy Canyon Road Interchange Feasibility Study US-85/C-470 Interchange Phase II
<b>Englewood</b>	Englewood North/South Bicycle Connections US-285 Pedestrian and Bicycle Bridge/Rail-Trail
<b>Greenwood Village</b>	NEPA: I-25 and Belleview Avenue Interchange
<b>Louisville</b>	Transportation Master Plan
<b>Thornton</b>	Transportation and Mobility Master Plan
<b>Westminster</b>	Federal Boulevard Multimodal Study Transportation and Mobility Plan Update
<b>RTD</b>	First and Final Mile Study Development Review Quality of Life Study RTD Boundary Mapping TOD Status Report



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**APPENDIX A**  
**PROGRAM FINANCING TABLES**

**Table 1. FY2020 and 2021 UPWP Revenue Sources**

Funding Source	Recipient	Federal Funding	DRCOG Cash Match	RTD In-Kind Match	TOTAL
FY 20 CPG	DRCOG	4,837,951	251,423	754,268	\$ 5,843,642
FY 21 CPG	DRCOG	5,021,181	260,945	782,834	\$ 6,064,960
FY18/FY19 CPG Carryover	DRCOG	7,037,150	365,713	1,097,138	\$ 8,500,000
<b>Total Available Funding</b>		<b>\$ 16,896,282</b>	<b>\$ 878,081</b>	<b>\$ 2,634,240</b>	<b>\$ 20,408,602</b>

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Table 2. 2020 and FY 2021 Anticipated Expenditures

FY 2020/2021 UPWP Objectives and Activities		Total Expenditures*								Total Anticipated Expenditures
		FY 2020				FY 2021				
		Total FY 2020	DRCOG Cash		RTD In-Kind Match	CPG (federal)	Total FY 2021	DRCOG Cash		
Match	Match		Match	Match						
<b>Objective</b>	<b>1.0 Program Administration</b>	\$ 1,009,059	\$ 43,415	\$ 130,244	\$ 835,400	\$ 1,054,183	\$ 45,356	\$ 136,069	\$ 872,758	\$ 2,063,242
Activity	1.1 Direct Program Management	\$ 615,450	\$ 26,480	\$ 79,439	\$ 509,531	\$ 627,333	\$ 26,991	\$ 80,973	\$ 519,369	\$ 1,242,783
Activity	1.2 DRCOG Staff Training and Development	\$ 320,637	\$ 13,795	\$ 41,386	\$ 265,455	\$ 323,029	\$ 13,898	\$ 41,695	\$ 267,436	\$ 643,666
Activity	1.3 Unified Planning Work Program	\$ 72,973	\$ 3,140	\$ 9,419	\$ 60,414	\$ 103,821	\$ 4,467	\$ 13,401	\$ 85,953	\$ 176,793
<b>Objective</b>	<b>2.0 Planning Coordination and Outreach</b>	\$ 1,444,847	\$ 62,165	\$ 186,494	\$ 1,196,189	\$ 1,453,827	\$ 62,551	\$ 187,653	\$ 1,203,623	\$ 2,898,674
Activity	2.1 MPO Compliance	\$ 76,728	\$ 3,301	\$ 9,904	\$ 63,523	\$ 78,989	\$ 3,399	\$ 10,196	\$ 65,395	\$ 155,717
Activity	2.2 Public Engagement and Outreach	\$ 541,409	\$ 23,294	\$ 69,882	\$ 448,233	\$ 528,351	\$ 22,732	\$ 68,197	\$ 437,422	\$ 1,069,760
Activity	2.3 Local Government and Stakeholder Education, Outreach and Support	\$ 488,058	\$ 20,999	\$ 62,996	\$ 404,063	\$ 497,949	\$ 21,424	\$ 64,273	\$ 412,252	\$ 986,007
Activity	2.4 Interregional, Regional and Corridor Planning Coordination	\$ 174,035	\$ 7,488	\$ 22,464	\$ 144,084	\$ 179,181	\$ 7,709	\$ 23,128	\$ 148,344	\$ 353,216
Activity	2.5 FAST Act Performance Measure Reporting	\$ 56,024	\$ 2,410	\$ 7,231	\$ 46,382	\$ 57,506	\$ 2,474	\$ 7,423	\$ 47,609	\$ 113,530
Activity	2.6 Air Quality Conformity	\$ 108,593	\$ 4,672	\$ 14,017	\$ 89,904	\$ 111,851	\$ 4,812	\$ 14,437	\$ 92,601	\$ 220,444
<b>Objective</b>	<b>3.0 Long Range Planning</b>	\$ 1,641,141	\$ 70,610	\$ 211,830	\$ 1,358,701	\$ 1,562,132	\$ 67,211	\$ 201,632	\$ 1,293,289	\$ 3,203,273
Activity	3.1 Metro Vision Plan-Collaboration and Implementation Assistance	\$ 388,420	\$ 16,712	\$ 50,135	\$ 321,573	\$ 388,586	\$ 16,719	\$ 50,157	\$ 321,710	\$ 777,006
Activity	3.2 Metro Vision Plan-Research and Performance Management	\$ 182,128	\$ 7,836	\$ 23,508	\$ 150,784	\$ 182,701	\$ 7,861	\$ 23,582	\$ 151,258	\$ 364,829
Activity	3.3 Metro Vision Regional Transportation Plan	\$ 756,778	\$ 32,560	\$ 97,681	\$ 626,536	\$ 673,439	\$ 28,975	\$ 86,924	\$ 557,540	\$ 1,430,217
Activity	3.4 Pedestrian and Bicycle Planning	\$ 313,815	\$ 13,502	\$ 40,506	\$ 259,807	\$ 317,407	\$ 13,656	\$ 40,969	\$ 262,781	\$ 631,221
<b>Objective</b>	<b>4.0 Project Programming</b>	\$ 438,997	\$ 18,888	\$ 56,664	\$ 363,446	\$ 433,539	\$ 18,653	\$ 55,959	\$ 358,927	\$ 872,536
Activity	4.1 Prepare Transportation Improvement Program	\$ 39,361	\$ 1,693	\$ 5,080	\$ 32,587	\$ 100,752	\$ 4,335	\$ 13,005	\$ 83,413	\$ 140,113
Activity	4.2 Transportation Improvement Program Set-Asides Selection	\$ 94,189	\$ 4,052	\$ 12,157	\$ 77,979	\$ 96,888	\$ 4,169	\$ 12,506	\$ 80,214	\$ 191,077
Activity	4.3 Transportation Improvement Program Management	\$ 305,448	\$ 13,142	\$ 39,426	\$ 252,880	\$ 235,898	\$ 10,150	\$ 30,449	\$ 195,300	\$ 541,346
<b>Objective</b>	<b>5.0 Transportation Operations</b>	\$ 415,575	\$ 17,880	\$ 53,640	\$ 344,054	\$ 425,042	\$ 18,287	\$ 54,862	\$ 351,892	\$ 840,616
Activity	5.1 DRCOG Congestion Management Process	\$ 151,057	\$ 6,499	\$ 19,498	\$ 125,061	\$ 155,589	\$ 6,694	\$ 20,083	\$ 128,812	\$ 306,647
Activity	5.2 Regional Travel Demand Management (TDM) Planning	\$ 16,866	\$ 726	\$ 2,177	\$ 13,964	\$ 17,372	\$ 747	\$ 2,242	\$ 14,383	\$ 34,239
Activity	5.3 Regional Transportation Operations and Technology	\$ 121,600	\$ 5,232	\$ 15,695	\$ 100,672	\$ 125,113	\$ 5,383	\$ 16,149	\$ 103,581	\$ 246,713
Activity	5.4 Transportation Security Planning	\$ 7,537	\$ 324	\$ 973	\$ 6,240	\$ 8,718	\$ 375	\$ 1,125	\$ 7,218	\$ 16,255
Activity	5.5 Transportation Safety Planning	\$ 63,508	\$ 2,732	\$ 8,197	\$ 52,579	\$ 65,414	\$ 2,814	\$ 8,443	\$ 54,156	\$ 128,922
Activity	5.6 Advanced Mobility Partnership	\$ 55,006	\$ 2,367	\$ 7,100	\$ 45,539	\$ 52,835	\$ 2,273	\$ 6,820	\$ 43,742	\$ 107,841
<b>Objective</b>	<b>6.0 Public Transportation Planning</b>	\$ 289,787	\$ 12,468	\$ 37,404	\$ 239,915	\$ 292,480	\$ 12,584	\$ 37,752	\$ 242,145	\$ 582,267
Activity	6.1 Regional Transit/Human Service Transportation Planning and Coordination	\$ 60,412	\$ 2,599	\$ 7,798	\$ 50,015	\$ 62,224	\$ 2,677	\$ 8,032	\$ 51,515	\$ 122,636
Activity	6.2 FasTracks Review and Assessment	\$ 6,038	\$ 260	\$ 779	\$ 4,999	\$ 6,219	\$ 268	\$ 803	\$ 5,149	\$ 12,257
Activity	6.3 RTD and CDOT Local Government Planning Process	\$ 10,692	\$ 460	\$ 1,380	\$ 8,852	\$ 11,013	\$ 474	\$ 1,422	\$ 9,118	\$ 21,705
Activity	6.4 Financial Planning	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Activity	6.5 RTD Base System Planning	\$ 12,645	\$ 544	\$ 1,632	\$ 10,469	\$ 13,024	\$ 560	\$ 1,681	\$ 10,783	\$ 25,669
Activity	6.6 Transit Facility Planning	\$ 200,000	\$ 8,605	\$ 25,815	\$ 165,580	\$ 200,000	\$ 8,605	\$ 25,815	\$ 165,580	\$ 400,000
Activity	6.7 FasTracks Program Management and Planning Assistance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Objective</b>	<b>7.0 Support Systems for Planning</b>	\$ 2,202,782	\$ 94,775	\$ 284,324	\$ 1,823,683	\$ 3,323,382	\$ 142,989	\$ 428,966	\$ 2,751,428	\$ 5,526,164
Activity	7.1 Develop and Maintain Information Systems	\$ 661,306	\$ 28,453	\$ 85,358	\$ 547,495	\$ 584,253	\$ 25,137	\$ 75,412	\$ 483,703	\$ 1,245,559
Activity	7.2 Develop and Maintain Land Use Modeling and Forecasting Systems	\$ 336,490	\$ 14,478	\$ 43,433	\$ 278,580	\$ 337,161	\$ 14,506	\$ 43,519	\$ 279,135	\$ 673,651
Activity	7.3 Transportation Modeling and Forecasting	\$ 1,072,867	\$ 46,160	\$ 138,480	\$ 888,226	\$ 2,188,212	\$ 94,148	\$ 282,443	\$ 1,811,620	\$ 3,261,078
Activity	7.4 Maintain Transportation and Related Data	\$ 77,756	\$ 3,345	\$ 10,036	\$ 64,374	\$ 79,432	\$ 3,418	\$ 10,253	\$ 65,762	\$ 157,188
Activity	7.5 Regional Transportation Dataset/Data Platform	\$ 54,363	\$ 2,339	\$ 7,017	\$ 45,007	\$ 134,325	\$ 5,779	\$ 17,338	\$ 111,207	\$ 188,688
<b>FY 2020/2021 Anticipated Expenditures</b>		<b>\$ 7,442,188</b>	<b>\$ 320,200</b>	<b>\$ 960,600</b>	<b>\$ 6,161,388</b>	<b>\$ 8,544,585</b>	<b>\$ 367,631</b>	<b>\$ 1,102,892</b>	<b>\$ 7,074,062</b>	<b>\$ 15,986,773</b>
*Total expenditures include CPG, cash match, and RTD in-kind match.		Anticipated Unused FY 20/21 Contract Funds (Carryover to FY 22/23)								\$ 4,421,829
Note: In-kind match provided by RTD for transit-related activities is proportionately distributed among all UPWP activities.		TOTAL Funding Available								\$ 20,408,602

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**APPENDIX B**

**TABLE OF DRCOG DELIVERABLES WITH EXPECTED COMPLETION  
DATE**

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Table 3. Key DRCOG Deliverables with Expected Completion Dates

Activity	Products	2-Year Program Period							
		FY2020				FY2021			
		2019	2020			2020	2021		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
1.3	FY22-23 UPWP								X
2.5	FAST Act Performance Non-Safety Targets				X				
2.6	Conformity Determination Reports	As needed							
3.1	Complete Streets Toolkit				X				
3.3	DRCOG Regional Multimodal Freight Plan	X							
	2050 MVRTP						X		
4.1	2020-2023 Dual Model TIP Process Assessment Report		X						
	2022-2025 TIP							X	
4.3	Projects Delayed Report		X				X		
	Annual Listing of Obligated Projects		X				X		
5.1	Report of Traffic Congestion in the Denver Region	X			X			X	
	CMP Project Tracking Report				X				
5.3	Regional Transportation Operations and Technology Plan	X							
	DRCOG Regional ITS Architecture		X				X		
5.5	FAST Act Performance Safety Targets		X				X		
	Region Vision Zero Action Plan			X					
	Safety Performance Measures and Progress for DRCOG Region						X		
6.1	Coordinated Public Transit Human Services Transportation Plan update				X				
6.2	RTD Change Report review	As needed							
6.6	Regional TOD Opportunity Study				X				
7.1	Denver Regional Aerial Photography Project (DRAPP)							X	
	Denver Regional Planimetric Project			X					
7.2	UrbanSim Enhancements				X				
7.3	DEN Travel Survey								X
	Focus Model Runs and Output Data	X				X			
7.4	Transportation Improvement Survey		X						X
7.5	Analysis and Feasibility Study				X				

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