



# FY 2024 and FY 2025 Unified Planning Work Program for the Denver Region

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# Abstract

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**Author:** Denver Regional Council of Governments

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**Abstract:** The Unified Planning Work Program describes and facilitates coordination of all metropolitan transportation and transportation-related planning activities anticipated within the Denver region for the 2-year period October 1, 2023 through September 30, 2025 (federal fiscal year (FY) 2024 and FY 2025).



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# Executive Summary

## What is the Denver Regional Council of Governments?

The Denver Regional Council of Governments (DRCOG) is an association of local governments with regional partners committed to protecting and enhancing the quality of life in the ten county Denver, Colorado metropolitan area. DRCOG serves several functions for the region, including as a federally-designated Metropolitan Planning Organization (MPO). As an MPO, DRCOG coordinates regional transportation planning to address important regional needs. DRCOG's MPO boundary encompasses all or part of Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, Jefferson, and Weld Counties.

## What is the Unified Planning Work Program?

The Unified Planning Work Program (UPWP) is a document that outlines the transportation planning work to be conducted in the region by DRCOG and its partner agencies over a two-year period. As the designated MPO for the Denver region, DRCOG develops the UPWP as part of its federally-required metropolitan transportation planning process. This document guides DRCOG's work over the two-year timeframe, ensures that transportation planning tasks are coordinated with partner agencies around the region, and provides transparency concerning DRCOG's work to partner agencies and the public. Any transportation planning tasks funded with federal transportation planning funds must be listed in an approved UPWP. The tasks in this document must also align with federal goals and priorities and be fiscally constrained within the revenue available to the region's planning partners.

## What information can be found in this document?

This document provides an overview of the federally-funded metropolitan transportation planning work to be conducted by DRCOG, the Regional Transportation District (RTD), and the Colorado Department of Transportation (CDOT) in federal fiscal years 2024 and 2025 (October 1, 2023 to September 30, 2025). Due to the large number of tasks that are anticipated to be completed in the region, the work program breaks these planning activities out into categories to provide organizational structure to the document. The planning activities in this document are based on the following format:

- **Objectives** – Objectives make up the broadest category of work in this document. These are high-level themes to organize the planning activities in the document. There are nine Objectives in this document.
  - **Activities** – Under each Objective is a varying number of Activities. An Activity is an independent category of work which supports the Objective. Each Activity also includes a list of participant agencies and notes which agency is the lead.
    - **Tasks** – Each Activity has a bullet-point list of Tasks. A Task is an action staff takes as part of the Activity.
    - **Deliverables** – Some (though not all) Activities include one or more Deliverables. A Deliverable is a discrete product such as a plan, report, tool, etc. that is produced as part of the Activity.

In addition to the work program, appendices are provided at the end of the document covering:

- additional information on planning projects not funded through federal metropolitan transportation planning funds (Appendix A),
- accomplishments from the prior document, covering FY 2022-2023 (Appendix B),
- the revenue and expenditure forecasts for the time period of this document, and
- a reference list of common acronyms within this document

### What are the key work tasks and activities listed in this document?

There are a significant number of tasks outlined in this document, and all of them are important for transportation planning in the region. Some new key tasks include beginning the process to update DRCOG's two primary long-range planning documents: Metro Vision and the Regional Transportation Plan. Additionally, activities are planned which will help DRCOG to translate the broad vision of the long-range plans into specific goals and outcomes related to areas such as active transportation, travel demand management, freight, climate and safety as well as plans related to how we conduct business such as public involvement and nondiscrimination.

Updated plans are a key first step, but DRCOG also recognizes the need to bridge the gap between plans and implemented projects on the ground. To assist with that, DRCOG intends to provide additional planning and project assistance to local agencies and our partner agencies in the region to accomplish our shared goals. New programs offering implementation assistance include programs around greenhouse gas mitigation, housing and transportation, bus rapid transit, corridor planning, community-based planning, small-area planning, and innovative mobility.

# Introduction

## Purpose

The Unified Planning Work Program (UPWP) describes the proposed multimodal transportation planning activities to be conducted in the Denver region during Federal Fiscal Year (FY) 2024 and FY 2025 (October 1, 2023 through September 30, 2025). The UPWP is administered by the Denver Regional Council of Governments (DRCOG) in accordance with federal requirements.

The UPWP is prepared biennially and serves as the basis by which Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) urban transportation planning funds – collectively referred to as Consolidated Planning Grant (CPG) funds – are spent in the region. Additionally, the UPWP is the management tool for scheduling, budgeting, and monitoring the planning activities of participating entities.

## Background

DRCOG is the federally designated Metropolitan Planning Organization (MPO) for the region's Transportation Management Area (TMA) (see **Figure 1**). As such, DRCOG is the recipient of federal CPG funds and is responsible for facilitating the metropolitan transportation planning process and for coordinating the activities of the other participating agencies that carry out UPWP activities. DRCOG works with local governments, regional agencies, and the state to determine how the CPG funds will be spent.

In June 2023, a [Memorandum of Agreement](#) (MOA) between DRCOG, the Colorado Department of Transportation (CDOT), and the Regional Transportation District (RTD) was signed. The MOA coordinates transportation decision-making in the region. The Regional Transportation Committee (RTC), made up of representatives from these three agencies, among others, assists the DRCOG Board of Directors in carrying out the transportation planning process. These three agencies, working through the RTC, have approved and maintained a guiding document called the [Framework for Transportation Planning in the Denver Region](#) that defines how the planning and decision making process works.

## Management of the UPWP

The UPWP is developed through a collaborative approach led by DRCOG and involving CDOT, RTD, and local agencies throughout the region, as well as FHWA and FTA. The intent is to capture the full scope of work to be completed by all partner agencies throughout the two-year timeframe. However, it is anticipated that occasional modifications to this UPWP will be necessary to account for changes in requirements, opportunities, and priorities. Modifications to this document may occur as amendments or administrative modifications.

Amendments are significant changes to the UPWP which require approval by the DRCOG Board of Directors and formal federal review. Once identified, amendments will be taken through the DRCOG MPO committee structure for formal action. Once approved, the amended document will be forwarded



to CDOT, FHWA, and FTA for concurrence. Modifications to the UPWP which require an amendment include:

- Changes to UPWP Activity descriptions which significantly alter the Activity scope (as defined by the Transportation Planning and Operations Division Director and/or the DRCOG Executive Director), including changes to the lead agency, addition or removal of an identification of contracted work, and deliverables.
- Funding adjustments, including the increase or decrease of overall federal funding, local match, or in-kind amounts and the transfers of funding between UPWP Activities exceeding 10% of the overall UPWP budget.
- Changes identified as requiring an amendment action by FHWA or FTA or as required in federal law and regulation.

All other changes may be processed by DRCOG staff as administrative modifications. Administrative modifications do not require formal approval by the DRCOG Board of Directors but will still be provided as an informational item to the Board of Directors, CDOT, FHWA, and FTA for review.

Updated copies of this document accounting for any modifications will be posted publicly to the DRCOG website. Additionally, per state and federal requirements, staff will post reports to the website biannually documenting progress on the work elements included in this document. Reports will cover progress on tasks and deliverables scheduled within the relevant fiscal year. These reports will be reviewed with partner agencies to ensure sufficient progress is made and determine if any modifications to the UPWP may be needed.

# Planning Process Requirements and Context

## Guidelines for Planning Activities

### Federal Transportation Planning Factors

MPOs are currently required to consider ten planning factors in the transportation planning process. These factors are outlined in the Infrastructure Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL), signed into law in November 2021. The IIJA carries forward the planning factors of its predecessor, the Fixing America’s Surface Transportation (FAST) Act, signed into law in 2015. Per federal regulations (23 CFR 450.306(b)), the degree of consideration of these factors should be based on the scale and complexity of many issues, including transportation system development, land use, employment, economic development, human and natural environment, and housing and community development. These ten factors are listed below:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
2. Increase the safety of the transportation system for motorized and non-motorized users.
3. Increase the security of the transportation system for motorized and non-motorized users.
4. Increase the accessibility and mobility of people and freight.
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.
7. Promote efficient system management and operation.
8. Emphasize the preservation of the existing transportation system.
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.
10. Enhance travel and tourism.

Substantial work is anticipated during FY 2024-2025 in consideration of these planning factors. **Table 1** provides a summary of FY 2024-2025 UPWP Activities applicable to each of the ten planning factors.

**TABLE 1: UPWP ACTIVITIES PROMOTING FEDERAL PLANNING FACTORS**

UPWP Activity	Planning Factors									
	Economy	Safety	Security	Mobility	Quality of Life	Connectivity	Efficiency	Preservation	Resiliency	Tourism
<b>1.1</b>										
<b>1.2</b>		X	X	X	X	X	X			
<b>1.3</b>	X	X	X	X	X	X	X	X	X	X
<b>1.4</b>			X		X		X	X		
<b>2.1</b>		X		X	X	X				
<b>2.2</b>	X	X		X	X	X	X			
<b>2.3</b>	X	X	X		X	X	X		X	X
<b>2.4</b>		X				X	X	X		

UPWP Activity	Planning Factors									
	Economy	Safety	Security	Mobility	Quality of Life	Connectivity	Efficiency	Preservation	Resiliency	Tourism
2.5				X	X	X	X			
3.1	X	X			X				X	X
3.2	X	X			X				X	X
3.3	X	X		X	X	X	X		X	X
3.4	X				X		X	X		
4.1		X	X	X	X	X	X	X	X	
4.2		X					X	X	X	
4.3		X		X	X	X		X	X	
4.4		X		X			X			
4.5	X	X		X	X	X			X	X
4.6	X			X	X	X	X	X		
4.7	X	X		X	X	X			X	X
4.8	X	X	X		X	X	X	X	X	
5.1					X				X	
5.2					X		X		X	
6.1		X								
6.2										
6.3	X	X	X				X	X		
7.1	X			X		X	X	X	X	
7.2	X	X	X	X			X	X	X	X
7.3		X	X							
7.4	X	X								
7.5	X			X		X	X			
8.1	X			X						X
8.2	X			X	X	X	X		X	
8.3				X	X	X			X	X
8.4				X	X	X			X	X
8.5				X	X	X			X	X
8.6	X			X	X	X			X	X
8.7	X			X	X	X			X	X
8.8	X			X	X	X			X	X
9.1	X		X			X	X	X		
9.2	X						X			
9.3	X						X			
9.4	X		X			X	X	X		
9.5	X			X		X	X			

## Federal Planning Emphasis Areas

MPOs are currently required to consider eight planning emphasis areas in their transportation planning process. These planning emphasis areas were released on December 30, 2021, through a joint [memo](#) by FHWA and FTA. Planning emphasis areas are designed to ensure MPOs' planning activities address national goals and priorities. These emphasis areas are listed below:

1. Tackling the Climate Crisis – Transition to a Clean Energy, Resilient Future
2. Equity and Justice40 in Transportation Planning
3. Complete Streets
4. Public Involvement
5. Strategic Highway Network (STRAHNET)/US Department of Defense Coordination
6. Federal Land Management Agency (FLMA) Coordination
7. Planning and Environmental Linkages (PEL)
8. Data and Transportation Planning

Substantial work is also anticipated to address these planning emphasis areas within the FY 2024-2025 UPWP timeframe. **Table 2** provides a summary of FY 2024-2025 UPWP activities applicable to each planning emphasis area.

**TABLE 2: UPWP ACTIVITIES PROMOTING FEDERAL PLANNING EMPHASIS AREAS**

UPWP Activity	Planning Emphasis Areas							
	Climate	Equity	Complete Streets	Public Involvement	STRAHNET	FLMA	PEL	Data
1.1								
1.2	X	X	X	X				X
1.3	X	X	X	X	X	X	X	X
1.4	X	X	X	X				X
2.1		X		X				
2.2			X					X
2.3		X			X	X	X	
2.4				X				X
2.5	X		X	X				X
3.1	X	X		X				X
3.2	X	X						X
3.3		X	X	X				
3.4								X
4.1	X	X	X	X			X	X
4.2	X			X				X
4.3	X	X	X	X			X	X
4.4		X	X	X				
4.5	X	X	X	X			X	X
4.6	X	X						X
4.7	X	X	X					
4.8	X						X	X
5.1	X			X				X

UPWP Activity	Planning Emphasis Areas							
	Climate	Equity	Complete Streets	Public Involvement	STRAHNET	FLMA	PEL	Data
5.2	X			X				X
6.1	X	X	X	X			X	X
6.2	X	X		X				X
6.3								X
7.1	X							X
7.2	X							X
7.3					X			X
7.4		X	X					X
7.5	X							X
8.1	X	X						X
8.2	X	X	X	X				X
8.3	X	X	X					
8.4	X	X	X					
8.5	X	X	X					
8.6	X	X	X					
8.7	X	X	X					
8.8	X	X	X					
9.1								X
9.2								X
9.3								X
9.4	X							X
9.5	X		X					X

**Planning Priorities**

For the FY 2024-2025 UPWP, priorities include significant updates to several of our core planning documents. Recognizing a quickly changing landscape in regard to federal and state statute, post-pandemic travel patterns, and regional priorities, DRCOG is interested in updating our documents to ensure their continued relevance and usefulness for our region. Included within this UPWP are the following planning efforts:

- Updating or amending existing major plans, including the Title VI Implementation Plan, Limited English Proficiency Plan, Americans with Disabilities Act Program Access Plan, Public Engagement Plan, Regional Active Transportation Plan, Regional Multimodal Freight Plan, and Taking Action on Regional Vision Zero
- Developing and adopting new plans and programs, including the FY 2026-2027 UPWP, Climate Action Plans, Regional Transportation Demand Management (TDM) Strategic Plan, and the FY 2026-2029 Transportation Improvement Program (TIP)
- Begin updates to major plans and programs, including Metro Vision, the Regional Transportation Plan (RTP), and the FY 2028-2031 TIP

Additionally, DRCOG intends to continue its focus from the prior UPWP on implementation activities. New implementation assistance in this document includes a new Regional Bus Rapid Transit Program,

new Greenhouse Gas (GHG) Mitigation Action Plan implementation assistance, housing and transportation coordination, and new Transportation Improvement Program set-asides focused on planning activities that bridge the Regional Transportation Plan and Transportation Improvement Program, amongst other activities.

### DRCOG Nondiscrimination and Accessibility

Transportation planning activities must be consistent with Title VI of the Civil Rights Act of 1964 and additional federal and state nondiscrimination statutes. Current efforts include:

- A new nondiscrimination complaint procedures document in 2022.
- An updated Title VI Implementation Plan in September 2021.
- An updated Limited English Proficiency (LEP) Plan in September 2021.
- An updated Americans with Disabilities Act (ADA) Program Access Plan in September 2021.
- Updates to the Disadvantaged Business Enterprise Program as required to participate in the Colorado Unified Certification Program that was approved by the US Department of Transportation (USDOT) in April 2004.

The current versions of these documents are available on DRCOG's [website](#) for public access.

### Federal Quadrennial Review Comments

Every four years FHWA and FTA perform a review of the metropolitan transportation planning process conducted by DRCOG, CDOT, and RTD. The last review was completed in 2020. Recommendations from that review are incorporated in this document, as appropriate. The next review will be completed in 2024, and this document may be modified, as needed, to incorporate work that addresses any recommendations made at that time.

### Relationship to Air Quality Planning

DRCOG's planning process is responsive to federal clean air legislation. Clean Air Act (CAA) amendments were passed by Congress in 1990 and require that the Transportation Improvement Program (TIP) and Regional Transportation Plan (RTP) for metropolitan areas in nonattainment areas for criteria pollutants show conformity with state implementation plans (SIPs) for air quality.

Notably for the Denver metro area:

- 2008: US Environmental Protection Agency lowered the National Ambient Air Quality Standards (NAAQS) for ground-level ozone to 0.075 parts per million (ppm).
- 2012: EPA designated the Denver Metro/North Front Range Area as marginal nonattainment under the 2008 ozone standard.
- 2015: The EPA lowered the NAAQS for ground-level ozone to 0.070 ppm.
- 2018: Area designated as marginal nonattainment for the 2015 ozone NAAQS in 2018.
- 2019: EPA reclassified the area as serious nonattainment of the 2008 standard
- 2020: A SIP for the 2015 ozone NAAQS was developed and approved. Because the region did not attain the standard, a new SIP was developed.

- 2022: An updated SIP was adopted by the Air Quality Control Commission (AQCC). Final approval from the state, EPA, and FHWA is pending.

Procedures to ensure interagency coordination are defined in the Framework for Transportation Planning in the Denver Region. An [agreement](#) was signed by the Colorado Department of Public Health and Environment (CDPHE), CDOT, DRCOG, North Front Range Metropolitan Planning Organization (NFRMPO), Regional Air Quality Council (RAQC), and Upper Front Range Transportation Planning Region (UFR TPR) in September 2022 that defines the specific roles and responsibilities. DRCOG is responsible for preparing transportation data to be used for air quality modeling associated with conformity determinations. The Air Pollution Control Division (APCD) of CDPHE is responsible for conducting air quality modeling and mobile source emission calculations.

Air quality conformity has been demonstrated for both the FY 2022-2025 TIP and FY 2024-2027 TIP, and the 2050 RTP. The RTP explicitly lists air quality among the region's priorities. The plan includes the development of a bus rapid transit system, an expanded and well-connected trail network, and Complete Streets provisions to serve all users. Additionally, CDOT's Greenhouse Gas (GHG) Transportation Planning Standard requires DRCOG to incorporate a reduction in surface transportation GHG emissions into its transportation planning process. The current amended version of the 2050 RTP, adopted in September 2022, was found to meet or exceed the GHG reduction levels for each analysis year, as required by the standard.

## Status of DRCOG Planning Documents

**Table 3** lists the most recent status (as of August 2023) of DRCOG’s major planning documents.

**TABLE 3: MAJOR PLANNING DOCUMENT STATUS**

Document	Action/Date
<a href="#">Metro Vision</a>	Amended May 2019
<a href="#">2050 Metro Vision Regional Transportation Plan</a>	Updated September 2022
<a href="#">FY 2022-2025 Transportation Improvement Program</a>	Adopted April 2021 & amended regularly
<a href="#">FY 2024-2027 Transportation Improvement Program</a>	Adoption August 2023 (anticipated; will supersede previous TIP document)
<a href="#">Taking Action on Regional Vision Zero</a>	Adopted June 2020
<a href="#">Regional Complete Streets Toolkit</a>	Adopted October 2021
<a href="#">Regional Multimodal Freight Plan</a>	Adopted May 2020
<a href="#">Denver Regional Active Transportation Plan</a>	Adopted January 2019
<a href="#">Regional Transportation Operations and Technology Strategic Plan</a>	Adopted February 2023
<a href="#">Coordinated Transit Plan</a>	Amended September 2022
<a href="#">DRCOG Section 5310 Program Management Plan</a>	Amended May 2021
<a href="#">Title VI Implementation Plan</a>	Adopted September 2021
<a href="#">Americans with Disabilities Act Program Access Plan</a>	Adopted September 2021
<a href="#">Limited English Proficiency Plan</a>	Adopted September 2021
<a href="#">Public Engagement Plan</a>	Amended August 2021



# Planning Activities

This section details the work program to be conducted by DRCOG and its partner agencies in FY 2024-2025. Nine Objectives outline the primary themes of the work that will be conducted. Within each Objective, several Activities describe specific topics to be worked on. Each Activity includes a description of that Activity's purpose, a list of Tasks to be completed, any discrete Deliverables to be produced and what year they are anticipated to be completed in, and a list of participant agencies (including the lead agency if more than one are involved).

## Objective 1.0 Program Administration and Coordination

Administer the core Metropolitan Planning Organization (MPO) transportation planning program.

### Activity 1.1 Direct Program Management

Purpose: Effective administration of the DRCOG transportation planning process, including management of DRCOG planning staff and grants.

Tasks:

- Supervise and monitor staff work on UPWP tasks.
- Manage internal systems and performance measurement related to this work program.
- Prepare and maintain adequate records of correspondence, purchasing, and contracts.
- Routine personnel, office, and administrative activities.

Participants: DRCOG

### Activity 1.2 DRCOG Staff Training and Development

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

Tasks:

- Provide staff with in-house and offsite training opportunities (webinars, conferences, classes, etc.).

Participants: DRCOG

### Activity 1.3 Unified Planning Work Program

Purpose: Develop and maintain the Unified Planning Work Program in compliance with applicable federal laws.

Tasks:

- Manage, administer, evaluate progress, and amend, as necessary, the FY 2024-2025 Unified Planning Work Program.
- Develop and adopt the FY 2026-2027 Unified Planning Work Program.

Deliverables:

2024

- FY 2023 UPWP end-of-year report
- FY 2024 UPWP mid-year report

2025

- FY 2024 UPWP end-of-year report
- FY 2025 UPWP mid-year report
- FY 2026-2027 UPWP

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

### Activity 1.4 MPO Compliance

Purpose: Conduct the metropolitan transportation planning process in compliance with applicable federal and state laws.

Tasks:

- Facilitate, participate in, and support DRCOG's MPO committee structure.
- Incorporate state and federal rules and regulations on the regional transportation planning process, including addressing public involvement, environmental justice, Title VI/Limited English proficiency/Americans with Disabilities Act, and document accessibility.
- Update DRCOG's Nondiscrimination Plans and explore the development of an Equity Action Plan.
- Participate in the 2024 joint FHWA and FTA Quadrennial Review of the MPO Planning Process and address any items resulting from the review.
- Review the Denver region Metropolitan Planning Area boundaries based on the 2020 Decennial Census.

Deliverables:

2024

- FY 2023 Title VI and Local Agency Assurances
- FY 2023 Nondiscrimination Status Report
- Title VI Implementation Plan update
- Limited English Proficiency Plan update
- Americans with Disabilities Act Program Access Plan update

2025

- FY 2024 Title VI and Local Agency Assurances
- FY 2024 Nondiscrimination Status Report

Participants: DRCOG (lead), CDOT, FHWA, FTA, RTD

## Objective 2.0 Planning Coordination and Outreach

Involve the public, local governments and stakeholders, and our regional partners in the planning process to address the transportation and development issues of the region and ensure outcomes that are consistent with Metro Vision goals and policies.

### Activity 2.1 DRCOG Public Engagement and Outreach

Purpose: Inform the public about DRCOG's plan and program development and implementation processes, provide opportunities for them to participate in planning and policy decisions, and provide educational resources about DRCOG and planning in general.

Tasks:

- Implement and evaluate engagement and outreach strategies identified in the Public Engagement Plan.
- Update the DRCOG Public Engagement Plan.
- Conduct meetings to gather public comment and/or inform the public regarding major planning products identified in the UPWP.
- Create and maintain various DRCOG web pages and other communications materials.
- Revitalize DRCOG web properties through a website refresh project.
- Hold the Civic Academy, a program to educate participants about regional issues and empower them to participate in civic decision-making.
- Work to increase public involvement through new interactive virtual technologies and explore additional equity-based community outreach opportunities.
- Give presentations as requested.

Deliverables:

2024

- DRCOG Public Engagement Plan
- Annual Report of Public Engagement Activities

2025

- Annual Report of Public Engagement Activities

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

### Activity 2.2 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 and growth and development planning issues and needs and provide support and technical assistance as necessary.
- Facilitate educational opportunities for local government staff, data professionals, and other stakeholders to collaborate and exchange information.

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

### Activity 2.3 Regional 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, coordinate, and exchange information with partners adjacent to DRCOG; attend Statewide MPO Committee meetings; coordinate with neighboring MPOs on growth and development forecasting; work with federal partners to strengthen coordination around transportation issues on federal lands.
- Maintain communication, coordinate, and exchange information with partners located within the DRCOG region.
- Host the Agency Coordination Team (ACT) and participate in CDOT and RTD regularly scheduled meetings in order to facilitate communication among planning partners.
- Monitor, participate, and assist with statewide, regional, and interregional transportation planning activities, corridor studies, National Environmental Policy Act (NEPA) studies, Planning & Environmental Linkage Studies (PELs), and funding opportunities. Implement or incorporate outcomes into planning documents as appropriate.
- Participate in and/or monitor the state transportation-related enterprises and committees.
- Host and facilitate work groups, committees, and cohorts of local governments and partner agencies around general topics of regional interest.
- Coordinate with CDOT and the US Department of Defense to identify any needed updates to the federal-aid highway system, including to the Strategic Highway Network (STRAHNET).
- Apply for state and federal discretionary grants and other applicable funding opportunities that advance and help implement the planning activities and tasks contained in this Unified Planning Work Program. Consultant assistance will be used to help DRCOG prepare specific grant funding applications.

Participants: DRCOG (lead), CDOT, RTD

### Activity 2.4 Dashboards and Interactive Data Visualizations

Purpose: Develop dashboards and interactive data visualizations to share information about various DRCOG datasets and programs for external audiences.

Tasks:

- Coordinate with staff of relevant programs on design elements.

- Develop guidance and workflows, then dashboards or interactive visualizations, based on datasets related to various programs.
- Consultant services may be required in the development of various dashboards and interactive visualizations.

Participants: DRCOG

### Activity 2.5 Greenhouse Gas Mitigation Action Plan Implementation Assistance

Purpose: Provide assistance, tools, and resources to local agencies in implementing the strategies identified in the Greenhouse Gas Mitigation Action Plan.

Tasks:

- Convene a workshop series with local agencies covering Mitigation Action Plan strategies.
- Work with local agencies to identify gaps in local knowledge and expertise related to implementing Mitigation Action Plan strategies.
- Conduct a regional parking utilization study to determine the feasibility of lowering parking standards.
- Develop a report on parking strategies for smart growth.
- Consultant services will be used in the development of meetings, studies, and reports.

Deliverables:

2025

- Denver Regional Parking Utilization Study
- Smart Growth Parking Strategies

Participants: DRCOG (lead), local governments, CDOT

## Objective 3.0 Land Use and Development Planning

Develop, refine, and implement Metro Vision, the region's long-range plan, as well as work to plan for land use, growth, and development, to enhance and improve the quality of life in the Denver region.

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

Purpose: Work with local and regional partners to maintain and implement Metro Vision.

Tasks:

- Meet with local governments to identify and pilot initiatives affecting growth, development, economic vitality, and quality of life.
- Participate in regional partnerships that advance Metro Vision outcomes and objectives.
- Maintain Metro Vision and amend as necessary through member-sponsored plan amendments as well as other amendments to ensure consistency between Metro Vision and other regional initiatives.
- Work with local governments and other stakeholders to implement Metro Vision. Focus efforts and attention around key geographies identified in Metro Vision and the RTP for use in regional and local planning and implementation activities (i.e., urban centers, high-opportunity areas).
- Work with local government partners to identify and support appropriate Metro Vision strategies and implementation measures.
- Review Metro Vision urban centers and amend as appropriate.
- Review Metro Vision performance measures and amend as appropriate.
- Initiate a comprehensive review and update of the Metro Vision plan.

Deliverables:

2024

- Amendments (if any) to Metro Vision

2025

- Amendments (if any) to Metro Vision

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, and issues faced in achieving, plan outcomes.

Tasks:

- Analyze and share progress on Metro Vision outcomes.
- Collect data in support of Metro Vision performance measurement.
- Prepare small area assessments, data analysis, and reporting related to Metro Vision implementation and outcomes.

- Build capacity and workflows to support regional and local scenario analysis, including impacts of alternative land use and development patterns.
- Compile information on local comprehensive and small-area plans. Consultant services may be required.
- Reformat and update community and legislative profiles.

Deliverables:

2024

- Metro Vision performance measure status report
- Metro Vision measures interactive data visualization
- Community and Legislative Profiles
- Regional Data Briefs

2025

- Metro Vision performance measure status report
- Community and Legislative Profiles
- Regional Data Briefs

Participants: DRCOG (lead), local governments, CDOT, RTD, Department of Local Affairs (DOLA)

### Activity 3.3 Livable Centers Small-Area Planning

Purpose: Manage the Transportation Improvement Program set-aside program to assist local agencies in developing ways to achieve the outcomes in Metro Vision related to centers and nodes of communities throughout the region.

Tasks:

- Conduct solicitations for Livable Centers Small-Area Planning TIP set-aside program.
- Contract with vendors and/or consultants for selected projects.
- Manage the development of plans and projects.
- Consultant services will be used in the development of plans and projects.

Deliverables

2024

- Small area plan(s)

2024

- Small area plan(s)

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

### Activity 3.4 Housing Coordination Planning

Purpose: Integrate housing, transportation, and economic development strategies in the regional transportation planning process and Metro Vision.

#### Tasks:

- Assess regional housing needs and opportunities that have a significant role in growth, housing, and economic development patterns contributing to growth in regional travel demand.
- Consult with state entities responsible for economic development, housing, and transportation; local entities responsible for land use, economic development, housing, and transportation; as well as other appropriate entities, to identify current goals and strategies, as well as common issues and opportunities.
- Compare transportation plans to land use management plans, including zoning plans, that may affect road use, public transportation ridership and housing development while also identifying the location of existing and planned housing and employment, and transportation options that connect housing and employment.
- Develop a Housing-Transportation Coordination Plan that integrates housing, transportation and economic development strategies in the regional transportation planning process.
- Identify strategic priorities for potential integration in and coordination with the housing, economic development or transportation plans of state, local, and other appropriate entities, which include Metro Vision and the Regional Transportation Plan.
- Procure consultant services to assist in housing coordination planning.

#### Deliverables:

2025

- Housing-Transportation Coordination Plan

Participants: DRCOG (lead), local governments, housing agencies, CDOT and other state government agencies, RTD



## Objective 4.0      Multimodal Planning

Develop, refine, and implement the Metro Vision Regional Transportation Plan, as well as the various modal plans which help to implement its principles.

### Activity 4.1    Metro Vision Regional Transportation Plan

Purpose: Maintain the 2050 Metro Vision Regional Transportation Plan.

Tasks:

- Process amendments to the RTP as needed.
- Initiate and participate in project development activities to implement the RTP project and program investment priorities.
- Track progress on strategies identified in the Greenhouse Gas Mitigation Action Plan.
- Begin update process to RTP document. Consultant services will be used in the development of the plan.
- Refine new equity analysis methodology for use in the RTP.

Deliverables:

2024

- Amendments (if any) to the RTP
- Annual Mitigation Measures Status Report

2025

- Amendments (if any) to the RTP
- Annual Mitigation Measures Status Report

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

### Activity 4.2    Federal Performance Measure Reporting

Purpose: Update, compile, and report on the implementation of federally required performance measures related to regional transportation planning processes.

Tasks:

- Compile data associated with federal transportation performance measures.
- Set or revise targets and develop baselines for each federal transportation performance measure.
- Prepare and/or assist CDOT with preparing performance measure reports.
- Prepare/update Congestion Mitigation / Air Quality (CMAQ) Performance Plan.
- Integrate performance measures into other DRCOG work products, as appropriate.

Deliverables:

2024

- Target reporting for federal transportation performance measures
- CMAQ Performance Plan: Mid-Performance Period Progress Report
- Federal performance measures interactive data visualization

2025

- Target reporting for federal transportation performance measures

Participants: DRCOG (lead), CDOT, RTD

### Activity 4.3 Transportation Corridor Planning

Purpose: Lead and coordinate corridor plans for priority regional multimodal corridors.

Tasks:

- Solicit proposals for corridor planning projects from local agencies and community groups and select initial project proposals.
- Procure consultant services for development of planning recommendations.
- Develop engagement materials to communicate program goals and services.
- Lead/coordinate corridor plans.
- Reconnecting Communities Assessment - Identify priority opportunities for projects to retrofit or mitigate existing facilities that create barriers to community connectivity.
- Consultant services will be used in the development of the selected planning efforts.

Deliverables:

2024

- Corridor Plan(s)

2025

- Corridor Plan(s)

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

### Activity 4.4 Community-Based Transportation Planning

Purpose: Lead or coordinate community-based transportation plans to improve mobility options for low-income and disadvantaged populations through grassroots efforts to identify local communities' most important transportation challenges and develop strategies to overcome them.

Tasks:

- Solicit proposals for community-based transportation plan projects from local agencies and community groups and select initial project proposals.
- Procure consultant services for development of planning recommendations.
- Develop engagement materials to communicate program goals and services.
- Lead/coordinate plans.
- Consultant services will be used in the development of the plans and projects.

Deliverables:

2024

- Community Based Transportation Plan(s)

2025

- Community Based Transportation Plan(s)

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

#### Activity 4.5 Active Transportation Planning

Purpose: Monitor efforts, provide assistance, and prepare products that support active transportation activities consistent with the RTP.

Tasks:

- Monitor progress on active transportation TIP-funded projects.
- Conduct and compile counts and maintain data related to active transportation.
- Continue regional active transportation meetings/summits.
- Provide assistance to local and regional agencies, as requested.
- Maintain, track metrics, and continue implementation activities for the Active Transportation Plan.
- Conduct, develop, coordinate, and monitor other activities such as level of traffic stress assessment and regional wayfinding.
- Update the Regional Active Transportation Plan. Consultant services may be required.
- Maintain an inventory of regional bicycle facilities.
- Implement a regional bicycle and pedestrian count program. Consultant services may be required.

Deliverables:

2024

- Regional bicycle facility inventory
- Annual report on status of TIP-funded active transportation projects

2025

- Regional bicycle facility inventory
- Annual report on status of TIP-funded active transportation projects
- Active Transportation Plan (update)

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

#### Activity 4.6 Transportation Demand Management Planning

Purpose: Monitor efforts, provide assistance, and prepare products that support transportation demand management (TDM) services consistent with the RTP.

Tasks:

- Conduct calls for projects for the Transportation Demand Management TIP set-aside program.
- Monitor progress on TDM TIP-funded projects.
- Support sustainability and resiliency planning and projects, connecting TDM strategies, like parking, to greenhouse gas reduction strategies.
- Complete and begin implementation of the Regional TDM Strategic Plan. Consultant services may be required.
- Conduct, develop, coordinate, and monitor other activities such as “last-mile” studies and TDM project benefit calculation methodology.
- Complete a regional TDM inventory.

Deliverables:

2024

- Annual report on status of TIP-funded TDM projects
- Regional TDM Inventory
- Regional TDM Strategic Plan (carryover from 2022-2023 UPWP)

2025

- Annual report on status of TIP-funded TDM projects

Participants: DRCOG (lead), RTD, CDOT, Transportation Management Associations (TMAs), local governments

#### Activity 4.7 Complete Streets Planning

Purpose: Plan for Complete Streets in the Denver region and provide assistance to local agencies in implementing Complete Streets.

Tasks:

- Continue implementing the Regional Complete Streets Toolkit, including prioritizing complete streets safety investments in accordance with the IJJA.

- Maintain, amend, and update the Regional Complete Streets Toolkit’s Street Typology.
- Assist local agencies in locating, designing, and implementing Complete Streets improvements in their communities.

Deliverables:

2025

- Updated Regional Complete Streets Typology

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

#### Activity 4.8 Regional Freight Planning

Purpose: Monitor efforts, provide assistance, and prepare products that support freight activities.

Tasks:

- Update the Regional Multimodal Freight Plan. Consultant services may be required.
- 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.
- Review critical urban freight corridors and identify opportunities for additional designations.

Deliverables:

2025

- Regional Multimodal Freight Plan

Participants: DRCOG (lead), CDOT, local governments

## Objective 5.0 Air Quality

Plan for improved air quality in the Denver region and conduct analyses to ensure the region meets federal air quality conformity standards.

### Activity 5.1 Air Quality and Conformity

Purpose: Complete air quality conformity determinations associated with transportation facilities identified in the TIP and the RTP.

#### Tasks:

- Monitor legislation impacting transportation air quality processes. Assist air quality agencies as needed.
- Research improved methods for calculations of greenhouse gas and air quality measures.
- Monitor the readings and trends of criteria pollutants in relation to established attainment standards.
- 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 RTP.
- 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 RTP.
- Participate in the development of the new ozone SIP.
- Continue with activities associated with the Regional Haze SIP.
- Assist with local and regional analyses of emissions, greenhouse gases, and other air quality topics.
- Coordinate with the State on developing a Carbon Reduction Strategy (carryover from 2022-2023 UPWP).
- Evaluate emissions impacts of CMAQ funded TIP projects.
- Evaluate opportunities and priorities for federal and state grant funding to reduce on-road highway source carbon dioxide emissions and other negative environmental attributes.

#### Deliverables:

##### 2024

- Conformity Determination Reports for RTP amendments (as needed)
- Annual Report on CMAQ-funded TIP projects

##### 2025

- Conformity Determination Reports for RTP amendments (as needed)
- Annual Report on CMAQ-funded TIP projects

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

## Activity 5.2 EPA Climate Pollution Reduction Planning Grant

Purpose: Implement EPA planning grant for reducing greenhouse gas emissions in the Denver region.

### Tasks:

- Convene monthly stakeholder meetings with local agency staff.
- Conduct greenhouse gas emissions inventory and projections.
- Develop greenhouse gas reduction targets, quantified reduction measures, workforce planning analysis, benefits analysis, low income/disadvantaged communities benefits analysis, and review of authority to implement recommendations.
- Develop priority and comprehensive climate action plans.
- Consultant services may be required in the development of materials and deliverables.

### Deliverables:

2024

- Priority Climate Action Plan

2025

- Comprehensive Climate Action Plan

Participants: DRCOG (lead), RAQC, CDOT, RTD, local agencies

## Objective 6.0 Project Programming

Identify and implement priorities within the metropolitan area by effectively developing and managing the TIP.

### Activity 6.1 Prepare Transportation Improvement Program

Purpose: Prepare the TIP by identifying projects to be funded with federal and state resources and other regionally significant projects.

Tasks:

- Maintain and amend the Policies for TIP Program Development, as needed.
- Identify and explore alternative process methods for calls for projects.
- Prepare and adopt the FY 2026-2029 TIP document.
- Begin policy-level discussions for the FY 2028-2031 TIP.

Deliverables:

2025

- Adopt FY 2026-2029 TIP

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

### Activity 6.2 Transportation Improvement Program Set-Asides

Purpose: Reaffirm adopted policies, select projects, and maintain and monitor the TIP set-asides to be funded with federal resources.

Tasks:

- Review and revise the Policies for FY 2024-2027 TIP Set-Aside Programs, as necessary.
- Coordinate TIP set-aside program calls for projects and amend selected projects into the adopted TIP.
- Coordinate solicitations for Transportation Corridor Planning, Community-Based Transportation Planning, Livable Centers Small-Area Planning, and Innovative Mobility set-asides and amend selected projects into the adopted TIP.
- Coordinate to ensure successful implementation of selected projects.

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

### Activity 6.3 Transportation Improvement Program Management

Purpose: Maintain and monitor the adopted TIP by identifying projects to be funded with federal and state resources and other regionally significant projects.

Tasks:

- Amend the current TIP as necessary and maintain current project information on DRCOG's website and in the Transportation Regional Improvement Projects and Survey (TRIPS) database.



- Conduct appropriate project programming activities when revenues change.
- Provide financial and project coordination assistance to implementing agencies and project sponsors.
- Conduct activities with CDOT and local governments to continuously refine the Intergovernmental Agreement, contracting, and federal aid processes.
- Monitor the monthly status of projects and provide results through various means.
- Maintain and update the TRIPS project database and associated data.

Deliverables:

2024

- Amendments and administrative modifications, as necessary
- FY 2023 Projects Delayed Report
- FY 2023 Annual Listing of Obligated Projects
- Updated TRIPS database and web-based interface

2025

- Amendments and administrative modifications, as necessary
- Transportation Improvement Program interactive data visualization
- FY 2024 Projects Delayed Report
- FY 2024 Annual Listing of Obligated Projects

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

## Objective 7.0 Transportation Systems Operations and Safety

Implement regional priorities through strategies to improve the safety and effectiveness of the existing transportation system, explore innovative solutions, and protect air quality.

### Activity 7.1 Congestion Management Process

Purpose: Administer the Denver region's Congestion Management Process.

Tasks:

- Update the Congestion Management Process databases annually.
- Update formulas and factors for delay calculations, as warranted.
- Evaluate new data sources and methodologies, as warranted.
- Prepare public information and outreach documents/presentations.
- Maintain performance tracking report on TIP-funded roadway projects.
- Evaluate opportunities for innovative, integrated, and multimodal solutions to congestion relief in the Denver region.

Deliverables:

2022

- Annual Report of Traffic Congestion in the Denver Region

2023

- Annual Report of Traffic Congestion in the Denver Region

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

### Activity 7.2 Regional Transportation Operations & Technology

Purpose: Provide a regional transportation operations perspective to the Metro Vision planning process, assure conformance with the Regional Intelligent Transportation Systems (ITS) Architecture, and lead inter-jurisdictional and interagency coordination on transportation technology deployment and day-to-day transportation system operations.

Tasks:

- Facilitate and participate in meetings, activities, and committees.
- Monitor transportation technology deployment to ensure compliance.
- Maintain the DRCOG Regional ITS Architecture.
- Assist project sponsors with DRCOG Regional ITS Architecture coordination and Regional Transportation Operations and Technology (RTO&T) Set-Aside projects, especially as it relates to neighboring architectures.
- Incorporate technology and operations strategies into all applicable DRCOG activities and products.
- Monitor and participate in national, state, regional, and local mobility technology efforts.
- Maintain and update web maps on traffic signals and other applicable efforts.

- Conduct calls for projects for the RTO&T TIP set-aside program.
- Develop multi-agency and multimodal strategies to coordinate operations across jurisdictional boundaries.
- Prepare a concept of operations for a regional Automated Traffic Signal Performance Measure (ATSPM) implementation.
- Prepare a concept of operations for Regional Situational Awareness Platform implementation.
- Prepare a concept of operations for Regional Performance Monitoring Data Archive Platform implementation.
- Consultant services may be required for coordinated operations strategies development and concept of operations development.

Deliverables:

2024

- Annual update to the DRCOG Regional ITS Architecture
- Updates (as needed) to the RTO&T Strategic Plan
- Regional Multi-Agency and Multimodal Coordinated Operations Strategies document
- Automated Traffic Signal Performance Measure (ATSPM) concept of operations

2025

- Annual update to the DRCOG Regional ITS Architecture
- Updates (as needed) to the RTO&T Strategic Plan
- Regional Situational Awareness Platform concept of operations
- Regional Performance Monitoring Data Archive Platform concept of operations

Participants: DRCOG (lead), FHWA, CDOT, RTD, public highway authorities, public safety agencies, local governments

### Activity 7.3 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:

- Participate on federal and state agency committees dealing with security, hazards, and transportation, as requested, including Colorado’s North Central All-Hazards Region and the Denver Urban Area Security Initiative.
- Monitor and respond to federal rulemaking and guidance documents.
- Refine roles, establish, and maintain relationships to existing documents and protocols), 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)

#### Activity 7.4 Transportation Safety Planning

Purpose: Incorporate safety data and analyses into transportation planning and public awareness activities; maintain and expand DRCOG's Regional Vision Zero Program.

Tasks:

- Geocode, quality check, disseminate, and house crash data.
- Convene stakeholders to improve crash data quality.
- Prepare crash and safety analyses, as necessary for both internal and external users.
- Prepare and publish annual Bicycle and Pedestrian Crash Report.
- Respond to requests for information.
- Maintain, implement, and update Taking Action on Regional Vision Zero.
- Identify priority initiatives and projects for opportunities to either participate in federal initiatives and/or apply for federal grants and administer/implement awarded grants. Consultant services may be required.

Deliverables:

2024

- Updated Taking Action on Regional Vision Zero
- 2024 Bicycle and Pedestrian Crash Report
- Updated Regional Vision Zero Story Map

2025

- Crashes interactive data visualization
- 2025 Bicycle and Pedestrian Crash Report

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

#### Activity 7.5 Innovative Mobility Planning

Purpose: Initiate, participate in, and support transportation technology and innovative mobility planning and strategic work in the Denver region, including implementing Mobility Choice Blueprint and work with the Advanced Mobility Partnership.

Tasks:

- Implement transportation technology and innovative mobility recommendations, programs, policies, research, and projects in the region.
- Conduct, develop, coordinate and monitor other activities relating to topics such as emerging mobility, transportation technology, mobility hubs, curbside management and shared mobility.

- Coordinate and participate in committees and conversations to advance mobility in the region and nation.
- Implement, maintain, and update Shared Micromobility in the Denver Region document.
- Maintain and update shared micromobility inventory and Story Map.
- Maintain and update regional shared micromobility dashboard. Consultant or vendor services may be required.
- Prepare a Mobility Hubs in the Denver Region white paper.
- Monitor transportation technology-related pilots, update regional inventory of pilots and programs, and provide educational opportunities to highlight transportation technology-related pilots, programs, and services in the region.
- Maintain and update regional inventory of transportation technology-related pilot programs and projects.
- Evaluate and identify potential regional demonstration projects for potential funding under the Federal Strengthening Mobility and Revolutionizing Transportation (SMART) program.
- Solicit proposals for innovative mobility set-aside projects from local agencies and select initial project proposals. Develop engagement materials to communicate program goals and services. Procure consultant and/or vendor services for development of plans and/or demonstrations and lead/coordinate set-aside planning efforts.
- Consultant services will be used in the development of the plans and projects.

Deliverables:

2024

- Shared Micromobility in the Denver Region update
- Mobility Hubs in the Denver Region white paper
- Innovative mobility set-aside project(s)
- Annual update to shared micromobility inventory and Story Map
- Annual update to regional shared micromobility dashboard

2025

- Innovative mobility set-aside project(s)
- Annual update to shared micromobility inventory and Story Map
- Annual update to regional shared micromobility dashboard

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

## Objective 8.0 Public Transportation Planning

Plan and operate rapid transit corridors, the regional bus network, and transit facilities.

### Activity 8.1 Regional Transit/Human Service Transportation Planning and Coordination

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

#### Tasks:

- Work with stakeholders to coordinate human service transportation.
- Compile ongoing service data to use for the travel model, plans, reports, and other activities as needed.
- Conduct calls for projects for the Human Services Transportation (HST) TIP set-aside program and FTA 5310 and Older Americans Act funding.
- Maintain a performance tracking report on TIP funded transit projects.
- Manage the Human Services TIP Set-Aside program and the Denver-Aurora Urbanized Area FTA 5310 program. Maintain and update Project Management Plan for 5310 Program.
- Maintain and begin update to Coordinated Public Transit-Human Services Transportation Plan (Coordinated Transit Plan).

#### Deliverables:

2024

- FTA 5310 Project Management Plan update, if necessary

2025

- FTA 5310 Project Management Plan update, if necessary

Participants: DRCOG (lead), RTD, CDOT, Denver Regional Mobility and Access Council (DRMAC) and others

### Activity 8.2 Regional Bus Rapid Transit Planning

Purpose: Continue to evolve the Regional Bus Rapid Transit (BRT) Partnership to implement the Regional Bus Rapid Transit Network identified in the 2050 Metro Vision Regional Transportation Plan.

#### Tasks:

- Develop a Regional BRT Partnership agreement, charter, Program Management Plan, and/or similar framework documents to strengthen and formalize the Partnership's goals, structure, process, and work activities.
- Facilitate meetings of the Regional BRT Partnership to address shared design, funding, project development, service, fare, maintenance, branding, communication, and other common issues across the Regional Bus Rapid Transit Network.

- Lead the facilitation of corridor partnership meetings, and lead the initial planning and “pre-NEPA” study, for the East Colfax Extension BRT project in collaboration with Aurora, Denver, CDOT, RTD, and other applicable stakeholders.
- Participate with appropriate stakeholders (CDOT, local governments, RTD, and others) in ongoing planning and project development activities to implement Bus Rapid Transit in the Colorado Blvd, Federal Blvd, East Colfax Ave, and CO119 corridors.
- Conduct initial visioning and planning activities on other corridors as part of the Regional Bus Rapid Transit Network.
- Procure consultant services as needed to support the Partnership’s work activities, and/or planning and project development activities.

Deliverables:

2024

- Regional BRT Partnership agreement, charter, Program Management Plan, and/or similar documents

2025

- “Pre-NEPA” study for the East Colfax Extension BRT project

Participants: DRCOG, CDOT, RTD, local governments, FTA

### Activity 8.3 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.

Tasks:

- RTD prepare FasTracks Change Report(s) for DRCOG.
- DRCOG 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 RTP, if needed.
- Provide RTD’s annual FasTracks Status Report to the DRCOG Board (due annually to DRCOG by May 1st).

Deliverables:

2024

- FasTracks Change Report (if needed)
- DRCOG review and assessment of RTD Change Report(s), when/if submitted by RTD
- If needed, subsequent SB-208 action and/or RTP amendment
- RTD 2024 FasTracks Annual Status Report

2025

- FasTracks Change Report (if needed)
- DRCOG review and assessment of RTD Change Report(s), when/if submitted by RTD
- If needed, subsequent SB-208 action and/or RTP amendment
- RTD 2025 FasTracks Annual Status Report

Participants: DRCOG, RTD

#### Activity 8.4 RTD Local Government Planning Process

Purpose: Incorporate the input of local governmental jurisdictions into planning activities.

Tasks:

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

Participants: RTD (lead), local governments, DRCOG

#### Activity 8.5 RTD Financial Planning

Purpose: To prepare the RTD Mid-term Financial Plan/FTA Program of Projects.

Task:

- Forecast revenues and expenditures.
- Evaluate the RTD base system and the FasTracks program.

Deliverables:

2024

- 2025-2030 Mid-term Financial Plan for input into the TIP

2025

- 2026-2031 Mid-term Financial Plan for input into the TIP

Participants: RTD

#### Activity 8.6 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.
- Conduct other assorted engineering, planning, and environmental activities.

Participants: RTD (Lead), DRCOG, CDOT

### Activity 8.7 Transit Facility Planning

Purpose: Research and report on transit facilities.

Tasks:

- Prepare quarterly Park-n-Ride use reports and biannual user distribution geocoding and mapping.
- Participate in local jurisdiction land-use planning processes for station areas.
- Pursue joint development at RTD transit stations, as practical and legal.
- Monitor and evaluate transit priority signal implementation.
- Mobility Hub planning at priority locations identified in partnership among RTD, CDOT, and DRCOG.
- Studies and reports such as Transit Oriented Development (TOD) activity report, FasTracks Quality of Life study, and Park-n-Ride utilization reports.
- Provide ongoing TOD education and outreach.

Deliverables:

2024

- Mobility Hub plan(s)
- State of transit priority implementation report

2025

- Maintenance facility study
- Mobility Hub plan(s)

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

### Activity 8.8 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 necessary environmental documentation for Northwest Rail Corridor Starter Service.
- Prepare basic design plans to determine station locations, environmental impacts, and costs for Northwest Rail Corridor Starter Service.

Participants: RTD and DRCOG

## Objective 9.0 Planning Data and Modeling

Acquire and maintain data and tools to support the region's transportation and land use planning activities.

### Activity 9.1 Develop and Maintain Geographic Information Systems

Purpose: Research, develop, and deploy Geographic Information Systems (GIS) tools and technologies that support UPWP activities.

Tasks:

- Develop, maintain, and update data, tools, applications, and visualizations that allow all users to explore and consume any type of data collected.
- Coordinate the acquisition of regional datasets (i.e., Denver Regional Aerial Photography Project (DRAPP), Regional Planimetric Data Projects, Regional Land Use Land Cover Projects, Regional Lidar Projects, etc.).
- Maintain internal processes and infrastructure in support of data, application, and tool development.
- Complete the local data collection and regional dataset creation efforts.
- Prepare new web maps for appropriate planning efforts and products, as needed.
- Research, evaluate, and integrate the state Linear Reference System into DRCOG's GIS data.
- Streamline online data product development, templates, and publication.

Deliverables:

2024

- Regional Data Catalog data offerings (updates, as needed)
- Web maps, as needed
- 2022 Denver Regional Planimetric Project deliverables

2025

- 2024 DRAPP deliverables
- Regional Data Catalog data offerings (updates, as needed)
- Web maps, as needed

Participants: DRCOG (lead), local governments

### Activity 9.2 Land Use Modeling and Forecasting

Purpose: Maintain, operate, and enhance the land use modeling and forecasting tools.

Tasks:

- Collect, compile, and purchase data to update and improve UrbanSim model inputs.
- Document, automate, and improve model workflows.
- Coordinate with the State Demography Office at DOLA in their updates to household and employment control totals.

- Investigate and implement appropriate enhancements to DRCOG’s land use modeling.
- Improve the scripts for exports to the Focus travel demand model.
- Coordinate with other MPOs and peer agencies using the UrbanSim model.
- Align UrbanSim with Focus model inputs.
- Prepare new forecast runs for RTP updates as necessary.
- Consultant services may be required in modeling improvements.

Deliverables:

2024

- Small-area forecast data on the Regional Data Catalog when reviewed and used in an amendment cycle (if any)

2025

- Small-area forecast data on the Regional Data Catalog when reviewed and used in an amendment cycle (if any)

Participants: DRCOG (lead), local governments, DOLA

### Activity 9.3 Transportation Modeling and Forecasting

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

Tasks:

- Update the travel model networks and transportation information database as needed prior to model runs.
- Provide travel model data results in support of requests by planning partners, local governments, and private firms.
- Continuous efforts to improve and streamline the Focus model.
- Evaluate travel demand data sources for use in model component validation efforts.
- Align Focus with UrbanSim model inputs.
- Evaluate implementing the Caliper Highway/Transit Master Network (for maintaining different projects) or other model process enhancements (carryover from FY 2020-2021 UPWP).
- Participate in CDOT-led Statewide Travel Surveys Project in 2023. Consultant services may be used to report on survey results for the DRCOG region.
- Conduct modeling research and documentation.
- Complete a calibration and validation of the regional travel demand model. Consultant services may be required.

Deliverables:

2024

- Focus model runs and output data files used for air quality conformity determinations and other studies, if needed

2025

- Focus model calibration and validation report
- Focus model runs and output data files used for air quality conformity determinations and other studies, if needed

Participants: DRCOG (lead), CDOT, RTD

#### Activity 9.4 Data Collection and Management

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

Tasks:

- Collect and process local government, CDOT, and RTD data.
- Coordinate the acquisition of local and regional datasets.
- Collect transit ridership, park and ride lot user data, and other transit-related data.
- Collect bridge and pavement condition data from CDOT and local governments.
- Maintain and update internal and publicly accessible datasets and tools.

Deliverables:

2024

- Annual local data inventory
- Regional datasets from local data

2025

- Annual local data inventory
- Regional datasets from local data

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

#### Activity 9.5 Regional Mobility Data Platform

Purpose: Identify opportunities and tools to effectively collect, manage, and maintain transportation data from transportation providers.

Tasks:

- Continue to work with AMP partners to refine the mobility data platform concept.

- Identify opportunities to coordinate on implementation next steps.
- Consultant services may be required in the development of platform elements.

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

## Appendix A: Other Major Planning Activities

**Table 4** below describes other major transportation planning activities that will be ongoing in the Denver region in FY 2024-2025 but funded through means other than federal metropolitan transportation planning funds. For local planning activities not funded through federal sources, an approximate estimate of the local cost is provided per federal guidelines. Note that some activities are planned to occur within this timeframe but are still in the initial planning stages and do not yet have cost estimates developed.

**TABLE 4: PLANNING ACTIVITIES FUNDED THROUGH OTHER MEANS**

Sponsor	Description	Funding Source
Adams County	120th Safety and Multimodal Corridor Study - US85 to Tower	TIP - \$200,000
Adams County	Adams County Comprehensive Safety Action Plan	TIP - \$1,500,000
Adams County	Roadway Functional Classification Update	Local - \$500,000
Arapahoe County	Arapahoe County Transit and Micromobility Study	TIP - \$665,000
Arvada	Arvada Transportation System Plan	Local - \$360,000
Arvada	CO72 Transportation Plan	Local - \$400,000
Aurora	I70/Quail Run Interchange 1601	Local - Costs TBD
Aurora	Aurora Multimodal Transportation Master Plan	TIP - \$3,225,000
Bennett	Safety Action Plan	Local - \$100,000
Boulder County	Boulder County Vision Zero SRTS Action Plan	TIP - \$296,000
Boulder County	Boulder Countywide Strategic Transit Plan	TIP - \$1,500,000
Boulder County	Boulder to Erie Regional Trail Master Plan	Local - \$260,000
Boulder County	S Boulder Rd BRT Study: Broadway/Table Mesa-CO7/119 <sup>th</sup>	TIP - \$500,000
Broomfield	Comprehensive and Transportation Plan Update	Local - Costs TBD
Broomfield	Open Space and Trails Master Plan Update	Local - Costs TBD
Castle Pines	Fiber Optic Master Plan Transportation Master Plan	Local - Costs TBD
Castle Pines	Transportation Master Plan	Local - \$150,000
Castle Rock	CO86 Corridor Study: Franktown to US85	Local - \$1,000,000
CDOT Division of Transportation Development (DTD)	10-Year Plan Maintenance and Update	Statewide Planning and Research Program (SPR)
CDOT DTD	2050 Long-Range Plan and Program Distribution	SPR
CDOT DTD	Colorado Downtown Streets Complete Streets Guide Update	SPR
CDOT DTD	Colorado Freight Plan Update	SPR
CDOT DTD	Greenhouse Gas Planning and Reporting	SPR
CDOT DTD	Mountain Rules Truck Safety Video Series	SPR
CDOT DTD	Safe Routes to School Strategic Plan Implementation	SPR
CDOT DTD	Statewide Bicycle and Pedestrian Plan Update	SPR
CDOT Division of Transit and Rail (DTR)	Bustang Expansion Study	SPR
CDOT DTR	Connected Colorado	SPR

Sponsor	Description	Funding Source
CDOT DTR	Intercity and Regional Bus Network Plan Update	Federal Transit Funds
CDOT Office of Innovative Mobility	Bus Electrification Study	SPR
CDOT Region 1	I25 Segment 2 NEPA	SPR
CDOT Region 1	I25: Speer & 23 <sup>rd</sup> Bridge and Interchange Project	SPR
CDOT Region 1	I270 Corridor EIS	SPR
CDOT Region 1	I70 East Corridor EIS Reevaluation	SPR
CDOT Region 1	Vazquez EA: I270 to 64 <sup>th</sup>	SPR
CDOT Region 4	I76/WCR8 Interchange 1601	SPR
Commerce City	64th Corridor Study: CO2 to Quebec	TIP - \$125,000
Commerce City	Economic Development Strategic Plan	Local - \$76,000
Commerce City	Drainage Master Plan	Local - \$750,000
Commerce City	Intelligent Transportation Systems Plan	Local - \$250,000
Commerce City	Land Development Code	Local - \$500,000
Commerce City	Parks, Recreation, and Golf Master Plan	Local - \$145,000
Commerce City	Transportation Master Plan	Local - \$195,000
Denver	38 <sup>th</sup> Multimodal Corridor Study	Local - \$350,000
Denver	Evans Multimodal Corridor Study	Local - \$500,000
Denver	Bike Network Verification and Facility Upgrade Project	Local - \$500,000
Denver	Shared Micromobility Programmatic Framework	Local - \$50,000
Denver	Near Northwest Area Plan	Local - \$400,000
Denver	Southwest Area Plan	Local - \$400,000
Denver	Far Southwest Area Plan	Local - \$400,000
Douglas County	Douglas County Transit & Multimodal Feasibility Study	TIP - \$400,000
Douglas County	Douglas County Transportation Master Plan Update	Local - \$400,000
DRCOG	Community-Based Transportation Planning	TIP - \$1,250,000
DRCOG	Denver Regional Crash Data Consortium	405(c) Grant
DRCOG	Innovative Mobility	TIP - \$2,000,000
DRCOG	Livable Centers Small-Area Planning	TIP - \$1,250,000
DRCOG	Traffic Signal Plans	TIP - \$2,000,000
DRCOG	Transportation Corridor Planning	TIP - \$1,500,000
Erie	I25 Interchange Study: CO52-Erie Pkwy	TIP - \$500,000
Erie	SW Weld County Transit First and Last Mile Study	TIP - \$167,000
Frederick	Community Parks Master Plan	Local - \$400,000
Frederick	Open Space and Trails Management Plan	Local - \$125,000
Frederick	Downtown Outdoor Recreation Master Plan	Local - \$75,000
Frederick	Boulder Creek Trail Master Plan	Local - \$150,000
Frederick	Comprehensive Plan and Downtown Plan	Local - \$385,150
Jefferson County	Comprehensive and Transportation Master Plans Update	Local - \$950,000
Jefferson County	Lookout Mountain Rd Corridor Study	Local - \$150,000
Littleton	Transportation Master Plan Update	Local - \$300,000
Littleton	Bicycle and Pedestrian Master Plan Update	Local - \$100,000
Littleton	Traffic Operations Plan	Local - \$150,000
Littleton	Littleton Blvd Land Use and Economic Development Study	Local - \$500,000

Sponsor	Description	Funding Source
Littleton	Mary Carter Greenway Feasibility Study	Local - \$175,000
Littleton	Open Space, Recreation, and Trails Master Plan	Local - \$225,000
Littleton	Economic Development Strategic Plan	Local - \$150,000
Longmont	Transportation Mobility Plan Update	Local - \$300,000
Mead	Mead Trails & Open Space Master Plan Update	TIP - \$325,000
Nederland	Nederland Multimodal Transportation Plan	TIP - \$149,000
Parker	Comprehensive Master Plan Update	Local - \$250,000
Parker	Open Space, Trails, and Greenways Master Plan Update	Local - \$100,000
RTD	Bus Stop Accessibility Study and Equity Analysis	FTA Areas of Persistent Poverty Program - \$500,000
RTD	Light Rail Level Boarding Feasibility Study	TIP - \$1,500,000
Superior	Comprehensive Plan & Transportation Master Plan Update	Local - \$250,000
Thornton	88th Corridor Study: Pecos to Dahlia	TIP - \$250,000
Thornton	Parks and Open Space Plan	Local - In-House
Thornton	Development Code Update	Local - \$450,000
Thornton	Standards and Specifications Update	Local - In-House
Thornton	Thornton Multimodal Trail Study and Precon	TIP - \$1,310,000
Weld County	Southwest Weld County Trail Alignment Study	TIP - \$800,000
Wheat Ridge	38 <sup>th</sup> West Study	Local - \$615,000
Wheat Ridge	Envision Wheat Ridge Comprehensive Plan Update	Local - \$500,000
Wheat Ridge	Traffic Signal Master Plan	Local - Costs TBD



# Appendix B: FY 2022-2023 Accomplishments

Major activities completed as part of the 2022-2023 UPWP include the below. Additional details are available in the FY 2022 and FY 2023 Mid-Year and End-of-Year Status Reports available on the [DRCOG website](#).

## Program Administration and Coordination

- Developed the new UPWP document
- Updated Title VI Implementation Plan, Limited English Proficiency Plan, and Americans with Disabilities Act Program Access Plan
- Developed new Framework for Transportation Planning in the Denver Region
- Developed equity index and project benefits and burdens analysis

## Planning Coordination and Outreach

- Piloted new public engagement approaches associated with the ongoing equity analysis project
- Held two iterations of Civic Academy
- Piloted land use-transportation connection technical assistance program
- Began scoping housing-transportation coordination plan

## Long Range and Multimodal Planning

- Conducted local government cohort meetings on inclusionary zoning
- Updated Community Profiles
- Published two Data Briefs
- Completed an update to the RTP, including air quality conformity, GHG Transportation Report and Mitigation Action Plan
- Adopted revised federal performance measures
- Developed Complete Streets Story Map and prioritization framework
- Selected projects and contracted consultants for first corridor and community-based transportation plans

## Project Programming

- Adopted Policies for TIP Program Development
- Conducted four calls for projects and selected projects
- Developed FY 2024-2027 TIP
- Adopted Policies for FY2024-2027 TIP Set-Aside Programs
- Conducted calls for projects for RTO&T, TDM, and HST set-asides and selected projects
- Developed Annual Listing of Obligated Projects for FY 2021 and 2022
- Developed FY 2021 and 2022 Projects Delayed Reports

## Transportation Systems Operations

- Completed 2021 Annual Report on Traffic Congestion in the Denver Region
- Adopted new RTO&T Strategic Plan

- Updated Regional ITS Architecture
- Awarded 405c grant and convened Crash Data Consortium
- Updated shared micromobility inventory and Story Map
- Launched regional shared micromobility open data portal
- Developed regional transportation technology pilot tracker

## Public Transportation Planning

- Updated Coordinated Transit Plan
- Began new RTD Subregional Service Councils
- Began Northwest Rail Peak Period Service study
- Conducted Fare Equity Study
- Adopted 2023-2028 and 2024-2029 Mid-term Financial Plans
- Adopted Reimagine RTD System Optimization Plan and Mobility Plan for the Future
- Published 2020 and 2021 Quality of Life TOD Reports and TOD Visual Guide

## Planning Data and Modeling

- Completed Denver Regional Aerial Photography Project, Denver Regional Planimetric Project, and Regional Land Cover Project deliverables
- Recalibrated Focus travel model prior to RTP amendment
- Published mobility data platform concept white paper

## Appendix C: Program Financing Tables

Tables 5 and 6 depict the anticipated revenues and expenditures of federal CPG funds for this UPWP.

**TABLE 5: FY 2024 AND FY 2025 UPWP REVENUE SOURCES**

<b>Funding Source</b>	<b>Recipient</b>	<b>Federal Funding</b>	<b>DRCOG Cash Match</b>	<b>RTD In-Kind Match</b>	<b>TOTAL</b>
FY 2024 CPG	DRCOG	\$6,131,562	\$318,650	\$955,951	\$7,406,163
FY 2025 CPG	DRCOG	\$6,240,818	\$324,328	\$972,984	\$7,538,130
FY 2022/FY 2023 Carryover	DRCOG	\$7,119,940	\$370,015	\$1,110,045	\$8,600,000
<b>Total Available Funding</b>		<b>\$19,492,320</b>	<b>\$1,012,993</b>	<b>\$3,038,980</b>	<b>\$23,544,293</b>

**TABLE 6: FY 2024 AND FY 2025 UPWP ANTICIPATED EXPENDITURES**

## Appendix D: Acronym Glossary

Table 7 lists acronyms which appear in this document:

**TABLE 7: ACRONYM GLOSSARY**

<b>ADA</b>	Americans with Disabilities Act
<b>AMP</b>	Advanced Mobility Partnership
<b>APCD</b>	Air Pollution Control Division
<b>ATSPM</b>	Automated Traffic Signal Performance Measure
<b>AQCC</b>	Air Quality Control Commission
<b>BIL</b>	Bipartisan Infrastructure Law (see IIJA)
<b>BRT</b>	Bus Rapid Transit
<b>CAA</b>	Clean Air Act
<b>CDOT</b>	Colorado Department of Transportation
<b>CDPHE</b>	Colorado Department of Health and Environment
<b>CFR</b>	Code of Federal Regulations
<b>CMAQ</b>	Congestion Mitigation / Air Quality funding
<b>CPG</b>	Consolidated Planning Grant
<b>DOLA</b>	Colorado Department of Local Affairs
<b>DRAPP</b>	Denver Regional Aerial Photography Project
<b>DRCOG</b>	Denver Regional Council of Governments
<b>DRMAC</b>	Denver Regional Mobility and Access Council
<b>EPA</b>	Environmental Protection Agency
<b>FHWA</b>	Federal Highway Administration
<b>FLMA</b>	Federal Land Management Agency(ies)
<b>FTA</b>	Federal Transit Administration
<b>FY</b>	Federal Fiscal Year
<b>GHG</b>	Greenhouse Gas
<b>GIS</b>	Geographic Information Systems
<b>HST</b>	Human Services Transportation Set-Aside
<b>IIJA</b>	Infrastructure Investment and Jobs Act (see BIL)
<b>ITS</b>	Intelligent Transportation Systems
<b>LEP</b>	Limited English Proficiency
<b>MOA</b>	Memorandum of Agreement
<b>MPO</b>	Metropolitan Planning Organization
<b>NAAQS</b>	National Ambient Air Quality Standards
<b>NEPA</b>	National Environmental Policy Act
<b>NFRMPO</b>	North Front Range Metropolitan Planning Organization
<b>PEL</b>	Planning and Environmental Linkages study
<b>PPM</b>	Parts per Million
<b>RAQC</b>	Regional Air Quality Council
<b>RTC</b>	Regional Transportation Committee
<b>RTD</b>	Regional Transportation District
<b>RTO&amp;T</b>	Regional Transportation Operations and Technology Set-Aside
<b>RTP</b>	2050 Metro Vision Regional Transportation Plan
<b>SIP</b>	State Implementation Plan

<b>SMART</b>	Strengthening Mobility and Revolutionizing Transportation grants
<b>STRAHNET</b>	Strategic Highway Network
<b>TDM</b>	Transportation Demand Management
<b>TIP</b>	Transportation Improvement Program
<b>Title VI</b>	Title VI (Six) of the Civil Rights Act of 1964
<b>TMA</b>	Transportation Management Area
<b>TMA's</b>	Transportation Management Associations
<b>TOD</b>	Transit Oriented Development
<b>TRIPS</b>	Transportation Regional Improvement Projects and Survey database
<b>UFR TPR</b>	Upper Front Range Transportation Planning Region
<b>UPWP</b>	Unified Planning Work Program
<b>USDOT</b>	United States Department of Transportation