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AGENDA
TRANSPORTATION ADVISORY COMMITTEE

Monday, June 24, 2013

1:30 p.m.

1290 Broadway

Independence Pass Board Room - Ground floor, west side

1. Call to Order
2. Public Comment
3. May 20, 2013 Meeting Summary
(Attachment A)

ACTION ITEMS

4. **Motion to recommend to the Regional Transportation Committee June 2013 amendments to the 2012-2017 Transportation Improvement Program (TIP).**
(Attachment B)
Todd Cottrell
5. **Motion to recommend to the Regional Transportation Committee the draft FY2014-FY2015 Unified Planning Work Program for the Denver Region (UPWP).**
(Attachment C)
Todd Cottrell

INFORMATIONAL BRIEFINGS

6. Regional Roadway System Requests and 2040 MVRTP Vision Systems.
(Attachment D)
Jacob Riger

ADMINISTRATIVE ITEMS

7. Member Comment/Other Matters
8. Next Meeting – July 22, 2013
9. Adjournment

Disabled attendees are asked to notify DRCOG at least 48 hours in advance of the need for auxiliary aids or services

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ATTACHMENT A
MEETING SUMMARY
TRANSPORTATION ADVISORY COMMITTEE
Monday, May 20, 2013

MEMBERS (OR VOTING ALTERNATES) PRESENT:

Gene Putman	Adams County-City of Thornton
Daren Sterling	Adams County-Commerce City
Bryan Weimer (Alternate)	Arapahoe County
Tom Reed (Alternate)	Aviation Interests
George Gerstle (Chair)	Boulder County
Heather Balser	Boulder County–City of Louisville
Sandi Kohrs (Alternate)	Colorado Dept. of Transportation, DTD
Myron Hora (Alternate)	Colorado Dept. of Transportation, Reg. 4
Steve Gordon (Alternate)	Denver, City and County
Art Griffith	Douglas County
Greg Fischer	Freight Interests
Kevin French	Jefferson County
Bob Manwaring	Jefferson County-City of Arvada
Tex Elam (Alternate)	Non-RTD Transit
Ken Lloyd	Regional Air Quality Council
Bill Van Meter	Regional Transportation District
Bob Davis	Senior Interests

OTHERS PRESENT:

Jeanne Shreve (Alternate)	Adams County
Phil Greenwald (Alternate)	Boulder County–City of Longmont
John Cotton (Alternate)	Douglas County-City of Lone Tree
Kate Cooke (Alternate)	Regional Air Quality Council

Public: Darin Stavish, CDOT Reg. 1; Matt Sanman, Kiewit Infrastructure

DRCOG staff: Steve Cook, Mark Northrop, Jacob Riger, Robert Spotts, Todd Cottrell, Brad Calvert, Casey Collins

Call to Order

Chair George Gerstle called the meeting to order at 1:35 p.m. A quorum was not present.

Public Comment

There was no public comment given.

Summary of April 22, 2013 Meeting

The meeting summary was accepted.

INFORMATIONAL BRIEFINGS

CDOT RAMP (*Responsible Acceleration of Maintenance and Partnership*) Funding Program Project Summary.

Steve Cook distributed CDOT's list of projects for RAMP. CDOT will determine eligible projects by May 31. Steve said during June/July the MVIC and Board will review regionally significant projects listed that are not in the fiscally constrained plan to determine consistency with Metro Vision. The Board will support regionally significant projects that are in the regional transportation plan, but will not provide official letters of support for individual projects.

Steve said the DRCOG committee recommendation process would likely begin in September for any plan amendments.

A quorum was reached at 1:45.

ACTION ITEMS

Definition of Roadway and Transit Network Changes for Metro Vision 2040 Modeling Scenarios (A and B).

Steve Cook presented and distributed an updated Scenario A and B sheet. Steve said the May 15 Board directed staff to begin modeling Scenarios A and B. TAC was directed to define specific roadway network additions and removals. Steve noted scenarios are for modeling purposes only.

Committee discussion followed on roadway network questions:

1. Scenario A. Add 200 lane-miles (100 centerline miles) of managed lanes along freeways

Where should additional lanes be assumed??

Steve asked whether, in a global sense, to call it managed toll (and allow buses and free use for 3+ HOV).

- George Gerstle suggested continuation of the existing CDOT policy of managed lanes, HOV+3 and buses running free.
- George also suggested a policy to not add managed lanes where there is immediately parallel rail.

After discussion, the committee reached consensus on adding managed lanes on the following segments:

- I-25 from Santa Fe to the existing North I-25 express lanes
- Bi-directional managed lane on I-25 between downtown and US-36

Gene Putman suggested scaling back I-76 to define it as from I-70 to Vasquez Boulevard.

Ken Lloyd asked if removal of Pena Blvd is justified. Tom Reed and Steve Gordon advocated for Pena, saying there is now a situation of needing additional capacity, so toll managed lanes should be looked at.

George Gerstle summarized that I-225 would be modeled, because the current Vision has additional lanes, while T-Rex does not.

2. Scenario A. Add 200 arterial lane-miles

Gene Putman asked if non-existing roads are being considered. Steve Cook said the Colorado Extension was considered, but didn't make the cutoff.

Steve Gordon asked about methodology used. Steve Cook said the highest volume projects would result in the greatest sensitivity of the model. Steve Gordon asked if a project's being urban center-oriented is taken into consideration. He also asked if removal of 400 lane miles from Scenario B would be reasonable. Steve Gordon said that Scenario A is adding road capacity, and B seems more supportive of urban centers.

The committee reached consensus to add the highest volume roadway projects first, as presented, as they have greatest modeling impact.

1. Scenario B. Remove 400 lane-miles of arterial widening projects in the RTP

Two options were presented:

- Remove highest volume arterial widening projects
- Remove lowest volume arterial widening projects

Gene Putman requested that the informational maps under discussion be emailed to the committee to allow more time for members to review the material, and then members could email their suggestions back.

Art Griffith questioned US-85 (where future widening is being removed), asking where do people go if I-25 is shut down. George Gerstle noted this exercise is not to decide what specific projects should be in or out, but to test a general scenario and how it relates to policy making.

Steve Cook said about 750 new arterial lane-miles in the system are currently funded.

Kevin French noted most (arterials) are local funded projects, not in the control of DRCOG.

George Gerstle suggested first taking out the public (regional funded) facilities (red lines in map) first, and if trying to increase transit ridership, then take out the highest volume locally funded blue lines. Myron Hora also suggested removing the highest volume projects. The committee reached consensus on this suggestion.

2. Scenario B. Increase overall bus service levels by 20%

Ken Lloyd noted this scenario would increase headway on existing routes, but as RTD has cut a number of routes, how do you maintain service needs. Ken suggested adding back in the routes that RTD cut and then modeling.

Bryan Weimer noted most roadway removals are in the fringes, but those are the areas lacking bus service; so would doing that would show congestion levels that would exist in those fringe areas, and minimal ridership increases in the existing system.

George Gerstle said the goal is to determine model sensitivity (i.e., more money into roads, or more money into transit). Ken Lloyd said it's relative and you need to link the two.

Steve Cook noted the 2035 plan already called for service increases; Scenario B would increase it 20-25% more. Bill Van Meter said there may be some potential for disconnect on the fringes, but presuming the 2040 Growth and Development scenario is similar to 2035, there was an attempt to develop new routes, but new changes hadn't been re-visited for a while.

Tex Elam summarized that the question is—do we want to be road-centric and transit-centric.

The committee reached consensus to increase bus service levels in Scenario B, focusing on the routes with headways of 20 minutes or more.

3. Scenario B. Add BRT-type services changes to selective (2 or 3) arterial corridors (increase service, speed)

Steve Cook said the May 15 Board recommended reflecting several arterial corridors as BRT. Steve noted that full FasTracks completion (including Northwest rail) is assumed as part of system modeled. Corridors suggested: East Colfax, US-287, and perhaps SH-119 Longmont Diagonal.

Kevin French asked the reason for stopping the Wadsworth corridor at Gold Line, instead of extending north to 80th. Steve Cook noted there was no specific reason other than ending at an RTD rail line.

George Gerstle suggested modeling BRT on arterial corridors not served by rail. He suggested SH-7 replacing Longmont Diagonal.

The committee reached consensus for the following corridors: East Colfax, US-287, and SH-7.

INFORMATIONAL BRIEFINGS

Briefing on National Highway Systems (NHS).

Steve Cook presented the list of CDOT's proposed changes in National Highway Systems (NHS) designation. CDOT has asked for review from DRCOG and local governments before CDOT submits the final list to FHWA by May 31, 2013. Steve noted the specific implications of a roadway being on or off the NHS is unknown, although more reporting requirements are likely, and local governments are not likely to receive additional funding.

George Gerstle asked Myron Hora (CDOT) for clarification on the list's yellow line (proposed downgrade)—does it mean from DRCOG proposal or existing NHS designation. Myron said it is a downgrade from a principal arterial, so it didn't go on the enhanced NHS. (Feds had previously said "anything principal is automatically NHS"). George was concerned about the downgrade designation of Boulder Canyon Peak to Peak Highway. Myron agreed to discuss.

Briefing on 2012 Annual Report on Traffic Congestion in the Denver Region.

Rush Wickes presented the 2012 annual report on traffic congestion in the Denver region. The report contains several key sections including:

- updates to regional congestion and vehicle miles traveled (VMT) measures (both are little changed from the previous year);
- a map of key congested locations within the Denver Region; and
- information on the 2012 report's focus area—a summary of the relationship between traffic congestion and commercial vehicles. Rush noted commercial vehicles comprise of about 16% of the total road volume, and the cost of traffic congestion for commercial vehicles averages about \$1.6 million per weekday.

DRCOG estimates that between now and 2035, weekday VMT will increase by 59%, vehicle hours of delay per person will more than double; 40% of freeways and arterials will experience severe congestion for 3 or more hours daily; and regional transit ridership will more than double.

George Gerstle suggested adding to the list of ways to manage congestion the following :
"managed lanes and transit, or anything with transit on a separate right of way"

ADMINISTRATIVE ITEMS

Member Comment/Other Matters

Todd Cottrell noted the addition of a Call for Projects page on the DRCOG Web site at <http://www.drcog.org/index.cfm?page=CallforProjects> that allows users to see the status of all DRCOG call for projects and provides links to individual solicitation pages.

Gene Putman announced that TAC representative Dave Baskett had recent surgery and asked that the committee send its well wishes to him.

The meeting was adjourned at 3:10 p.m. The next scheduled meeting is June 24, 2013.

ATTACHMENT B

To: Chair and Members of the Transportation Advisory Committee

From: Todd Cottrell, Senior Transportation Planner
303 480-6737 or tcottrell@drcog.org

Subject: **June 2013 Amendments to the 2012-2017 Transportation Improvement Program (TIP)**

Meeting Date	Agenda Category	Agenda Item #
June 24, 2013	Action	4

REQUESTED ACTION

Motion to recommend to the Regional Transportation Commission June 2013 amendments to the *2012-2017 Transportation Improvement Program (TIP)*.

SUMMARY

- Per the *Policy on Transportation Improvement Program Preparation*, policy amendments to the Transportation Improvement Program are processed quarterly.
- Projects amended are listed below, with reasons for the amendment and the specific details contained in the attached table.
- The key amendment is to increase funding for the I-70 East Viaduct project.

PRIOR BOARD ACTION

- Policy amendments procedures are outlined in the *Policy on Transportation Improvement Program Preparation*, as adopted July 2010.
- The *2012-2017 Transportation Improvement Program* was originally adopted March 2011, and has been amended several times since.

FINANCIAL CONSIDERATIONS

- As noted in the table

ALTERNATIVES

1. Recommend approval
2. Do not recommend approval

PROPOSED ACTION/RECOMMENDATIONS

- DRCOG staff recommends approval of the following policy amendments:
 - TIP ID 2008-104: Region 6 FASTER Bridge Enterprise Pool
 - TIP ID Request: Enhanced Mobility for Elderly and Disabled
- The above policy amendments to the *2012-2017 Transportation Improvement Program* have been found to conform with the State Implementation Plan for Air Quality.

BACKGROUND INFORMATION

- Attachments:
 - Amendments table

2012-2017 Transportation Improvement Program

Policy Amendments

Pending

TIP#	Project Name: Limits,Sponsor,Scope	Current Funding (dollars in thousands)								
2008-104	Region 6 FASTER Bridge Enterprise Pool	Amounts in \$1,000s	Prior Funding	FY12	FY13	FY14	FY15	FY16-17	Future Funding	Total Funding
Sponsor:	CDOT Region 6	Federal		\$0	\$0	\$0	\$0	\$0		
Scope:	Pool contains bridge-related improvements and repairs based on the new FASTER Bridge Enterprise funding program (Colorado Senate Bill 108) in CDOT Region 6.	State (FASTER-B)		\$72,435	\$176,321	\$0	\$0	\$0		
		Local		\$0	\$0	\$0	\$0	\$0		
		Total	\$138,156	\$72,435	\$176,321	\$0	\$0	\$0	\$0	\$386,912

		Revised Funding (dollars in thousands)								
Why Amend?	Project awarded additional funding allocating to an existing pool project.	Amounts in \$1,000s	Prior Funding	FY12	FY13	FY14	FY15	FY16-17	Future Funding	Total Funding
	Add \$41,500,000 of state FASTER Bridge funds in FY2013 allocating to pool project: I-70 East (Pre-Construction): Preconstruction Activities (\$45,500,000). Increase total project funds.	Federal		\$0	\$0	\$0	\$0	\$0		
		State (FASTER-B)		\$72,435	\$217,821	\$0	\$0	\$0		
		Local		\$0	\$0	\$0	\$0	\$0		
		Total	\$138,156	\$72,435	\$217,821	\$0	\$0	\$0	\$0	\$428,412

2012-2017 Transportation Improvement Program

Facility Name	Start-At and End-At	Cost (1,000s)		Facility Name	Start-At and End-At	Cost (1,000s)
County Rd. (Design)	Old Wadsworth@US-36	\$14,000		SH-30 (Design)	Havana@ Cherry Creek	\$300
Federal Blvd	69th Ave	\$15,000		SH-30 (Design)	Havana @ I-70 Bridge Replacement	\$1,800
I-25 (Construction)	Santa Fe	\$22,000		SH-40 (Construction)	Sand Creek	\$13,500
I-70	Sand Creek	\$11,500		SH-40 EB (Design)	Sand Creek	\$2,500
I-70 East (Preconstruction)	Preconstruction Activities	\$45,500		SH-44 (Construction)	104th Ave@Bull Seep	\$6,300
I-70 EB (Design)	UPRR	\$3,300		SH-44 (Design)	104th Ave@Bull Seep	\$1,000
I-76	S Platte	\$16,000		SH-44 (Design)	104th Ave@ S. Platte	\$700
I-76 (Construction)	UPRR	\$17,200		SH-58 (Construction)	Ford	\$7,200
I-76 (Design)	UPRR	\$2,835		SH-58 (Design)	Ford	\$982
Pecos (Design)	I-70	\$6,600		SH-88 (Construction)	Arapahoe Rd@Cherry Creek	\$21,500
Pecos St (Construction)	I-70	\$15,740		SH-88 (Pre-Construction)	Arapahoe Rd@Cherry Creek	\$9,350
Peoria (Construction)	I-76	\$5,000		Sheridan (Design)	UPRR	\$7,400
Peoria (Design)	I-76	\$1,000		US-40 EB (Design)	Tollgate Creek	\$1,400
Perry St. (Design)	US-6	\$815		US-40 EB (Pre-construction)	Tollgate Creek	\$2,000
SH-121 (Wadsworth)	Bear Creek	\$8,200		US-6	Bridge Construction (Platte, Bryant, BNSF)	\$59,918
SH-121 (Wadsworth)	US-36	\$32,000		US-6 (Design)	BNSF	\$2,000
SH-121 EB (Design)	UPRR	\$500		US-6 (Design)	Bryant and S Platte	\$2,000
SH-2 (Design)	BNSF	\$500		US-6 (Design)	Sheridan	\$11,533
SH-287	Colfax	\$8,000		US-6 (Design)	Garrison St	\$2,000
SH-30 (Construction)	Havana@Cherry Creek	\$6,500		US-85 NB (Design)	Dad Clark Gulch	\$3,451
SH-30 (Construction)	Havana @ I-70 Bridge Replacement	\$16,000				

2012-2017 Transportation Improvement Program

Policy Amendments

6/7/2013

Pending

TIP#	Project Name: Limits,Sponsor,Scope
Request	Enhanced Mobility for Elderly and Disabled
Sponsor:	R T D
Scope:	Funds will be used for Mobility Management and activities such as purchase of vans and operating assistance for door-to-door service for the elderly and disabled.

New Funding (dollars in thousands)

Why Amend?	New project.	Amounts in \$1,000s	Prior Funding	FY12	FY13	FY14	FY15	FY16-17	Future Funding	Total Funding
	Add \$1,525,000 in FY2013, \$1,525,000 in FY2014, and \$1,525,000 in FY2015 of federal Section 5310 funds and add \$381,000 in FY2013, \$381,000 in FY2014, and \$381,000 in FY2015 of local match.	Federal (5310)		\$0	\$1,525	\$1,525	\$1,525	\$0		
		State		\$0	\$0	\$0	\$0	\$0		
		Local		\$0	\$381	\$381	\$381	\$0		
		Total	\$0	\$0	\$1,906	\$1,906	\$1,906	\$0	\$0	\$5,718

ATTACHMENT C

To: Chair and Members of the Transportation Advisory Committee

From: Todd Cottrell, Senior Transportation Planner
303 480-6737 or tcottrell@drcog.org

Subject: ***FY2014-FY2015 Unified Planning Work Program (UPWP)***

Meeting Date	Agenda Category	Agenda Item #
June 24, 2013	Action	5

REQUESTED ACTION

Motion to recommend to the Regional Transportation Committee the draft *FY2014-FY2015 Unified Planning Work Program for the Denver Region*.

SUMMARY

- The Unified Planning Work Program (UPWP) is a federally-required document that outlines the planning tasks and activities to be conducted within the region with federal transportation planning funds. The document also lists other major planning activities performed by local governments and partner agencies.
- The new *FY2014-FY2015 UPWP*, outlines activities to be conducted from October 1, 2013 through September 30, 2015, and was prepared with input from CDOT, RTD, and local government staff.
- Key activities include:
 - Development, adoption, and implementation of the Metro Vision 2040 Plan.
 - Preparation and adoption of the 2040 Metro Vision Regional Transportation Plan.
 - Development and adoption of the 2016-2021 Transportation Improvement Program.
 - Incorporate MAP-21 rulemaking outcomes.
- Future amendments to the UPWP will likely be necessary.

PRIOR BOARD ACTION

- None

FINANCIAL CONSIDERATIONS

- Non-approval will result in a loss of planning funds for the MPO program

ALTERNATIVES

- Alternative 1: Recommend to RTC as is
- Alternative 2: Recommend to RTC with changes

PROPOSED ACTION/RECOMMENDATIONS

- DRCOG staff recommends Alternative 1

BACKGROUND INFORMATION

- Attachment:
 - Draft FY2014-15 UPWP

FY 2014 and 2015 UNIFIED PLANNING WORK PROGRAM FOR THE DENVER REGION

DRAFT – June 17, 2013

Adopted July 17, 2013



1290 Broadway, Suite 700
Denver, CO 80203
www.drcog.org

Preparation of this report has been financed in part through grants from the Federal Transit Administration and the Federal Highway Administration of the U.S. Department of Transportation.

ABSTRACT

TITLE: FY 2014 and 2015 Unified Planning Work Program for the Denver Region

AUTHOR: Denver Regional Council of Governments

SUBJECT: Joint transportation planning work program for the Denver Regional Council of Governments, Colorado Department of Transportation, and Regional Transportation District

DATE: Adopted July 17, 2013

SOURCE OF COPIES: Public Information and Communications
DRCOG
1290 Broadway
Denver, CO 80203
(303) 455-1000
or from the DRCOG Web site:
<http://www.drcog.org/index.cfm?page=PlanningProcess>

NUMBER OF PAGES: —

ABSTRACT: The Unified Planning Work Program describes and facilitates coordination of all urban transportation and transportation-related planning activities anticipated within the DRCOG Region for the 2-year period October 1, 2013 through September 30, 2015 (federal fiscal years 2014 and 2015).

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I. INTRODUCTION

Purpose

Transporting people and goods from one place to another is integral to the economy and quality of life in the Denver region. With limited resources, it is imperative that federal, state, local, and private sector resources be expended effectively and efficiently. The Unified Planning Work Program (UPWP) describes how federal urban transportation planning funds will be spent for the regional transportation planning process. The UPWP is the basis for federal grants by which the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) spend federal urban transportation planning funds in the region. The UPWP describes specific activities to be conducted and the associated participants. The UPWP covers a two-year period—federal fiscal years 2014 and 2015, stretching from October 1, 2013 through September 30, 2015.

Background

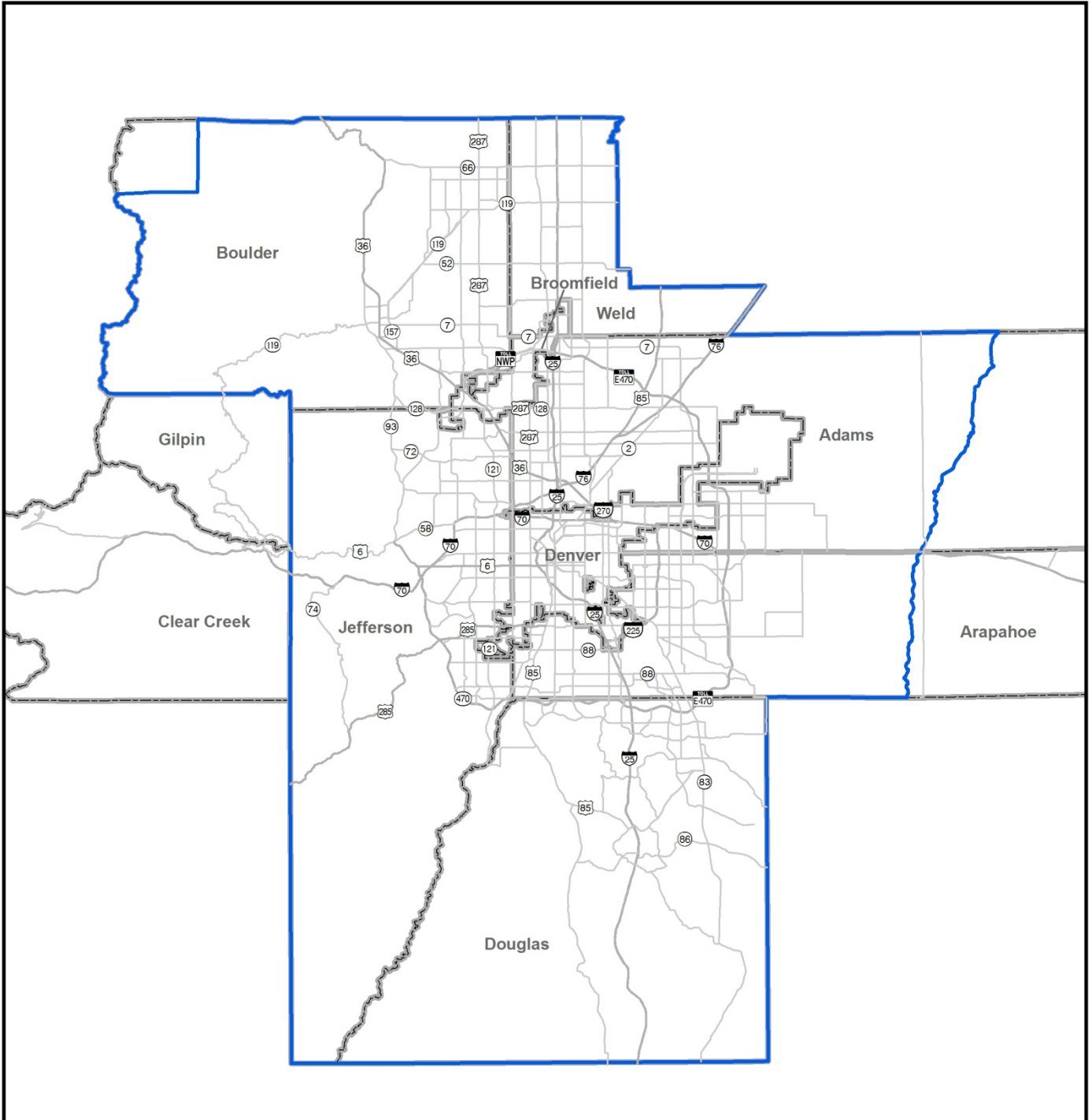
The Denver Regional Council of Governments (DRCOG) is the designated Metropolitan Planning Organization (MPO) for the region's Transportation Management Area (TMA) (see Figure 1). DRCOG is the recipient of the federal urban transportation planning funds. As the designated MPO, DRCOG is responsible for facilitating the Urban 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 in determining how the federal urban transportation planning funds will be spent.

DRCOG, the Colorado Department of Transportation (CDOT), and the Regional Transportation District (RTD) signed a Memorandum of Agreement in July 2001 (modified in June 2008) that coordinates transportation decision-making in this region. A Regional Transportation Committee (RTC) 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 “prospectus” document titled [Transportation Planning in the Denver Region](#) that defines how the planning and decision making process works.

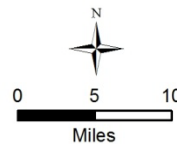
The region's long range plan for growth, development, and transportation is called [Metro Vision](#). The goals and policies of Metro Vision address regional transportation and air quality problems. Transportation and land use strategies must be implemented together to achieve the goals. The transportation goals of Metro Vision reflect the need to provide mobility and accessibility to support the physical, social, and economic development of the region for persons of all ages, incomes, and abilities

Figure 1 Transportation Management Area



LEGEND

- Transportation Management Area
- DRCOG County Boundaries



SOURCE DATA:
Enter all data sources here, included base map information
This data is intended for informational purposes only. DRCOG provides this information on an "as is" basis and makes no guarantee, representation or warranty, either express or implied, that the data will be error free. DRCOG further makes no guarantees, representations or warranties, either express or implied, as to the completeness, accuracy or correctness of the data, or as to merchantability or fitness of the data for a particular use or purpose. DRCOG is not responsible to any user for any costs, expenses, liabilities or damages arising from inconsistencies in its data or from any use of the information.
Projection: State Plane Colorado Central, NAD 83 (feet)
PJ 913

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II. REGIONAL TRANSPORTATION PLANNING

The DRCOG Metro Vision 2035 Plan and companion 2035 Metro Vision Regional Transportation Plan (2035 MVRTP) define the future growth, development, and transportation investment framework for the region. CDOT, RTD, and local governments implement many important projects and services. The project that will have the greatest long-term regional impact is the RTD FasTracks Plan. The FasTracks Plan will add several new rapid transit corridors and extend some existing corridors. It will greatly impact how many people travel, where and how development occurs, and the environmental quality of life in the Denver region.

(Hyperlinks to referenced documents are underscored here and elsewhere in this document.)

Guidelines for Planning Activities

Title VI Requirements

Transportation planning activities must be consistent with Title VI of the Civil Rights Act of 1964. DRCOG prepared a 2001 Title VI Status Report, which was provided to the Federal Transit Administration (FTA). In 1999, DRCOG prepared a Disadvantaged Business Enterprise Program and updated it in 2009. In 2013, DRCOG completed new Title VI complaint procedures and Limited English Proficiency (LEP) Plan. In addition, DRCOG participates in the Colorado Unified Certification Plan that was approved by USDOT in April 2004. The UPWP also addresses Environmental Justice issues as required by an Executive Order that clarifies elements of the Civil Rights Act.

DRCOG Board of Directors

The DRCOG Board of Directors has noted that regional transportation planning efforts should support the goals, policies, and action strategies of the 2035 MVRTP.

Federal Quadrennial Review Comments

Every four years, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) perform a review of the urban transportation process conducted by DRCOG, CDOT, and RTD. The last review was completed in October, 2012. Recommendations from that review are incorporated in this document, as warranted. The next review will be completed in 2016.

Federal Planning Emphasis

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) require the metropolitan transportation planning process to be responsive to MAP-21. Though federal rulemaking has yet to be finalized, this UPWP has been developed to address anticipated MAP-21 guidance as much as possible.

Relationship to Air Quality Planning

The DRCOG Board of Directors has issued a policy statement in which it pledges to work cooperatively with all agencies and commits itself to a leadership role in the region's on-going efforts to improve air quality. The region has been classified in "attainment maintenance" for all federal air quality standards, except for the eight-hour ozone standard.

Goals, policies, and action strategies related to air quality are fully incorporated in the adopted [2035 Metro Vision Regional Transportation Plan \(MVRTP\)](#). The 2035 MVRTP explicitly calls for the transportation system to minimize transportation's contribution to air pollution. The plan advocates the development of a rapid transit system, a supporting and supplemental bus system, and a robust system of non-motorized mode facilities and services.

The planning process is responsive to federal clean air legislation. Clean Air Act (CAA) amendments were passed by Congress in November 1990, and require that the TIP and the RTP show conformity with the state implementation plan (SIP) for air quality. DRCOG conducts modeling activities to estimate future vehicle miles traveled and associated characteristics. The Colorado Air Pollution Control Division (APCD) of the Colorado Department of Public Health and Environment (CDPHE) performs the analysis of air pollutants expected from implementation of the plan.

In recent years, air quality conformity was demonstrated for all approved TIP's and Fiscally-Constrained RTP's.

In 2008, the U.S. Environmental Protection Agency (EPA) lowered the National Ambient Air Quality Standards (NAAQS) for ground-level ozone to 0.075 parts per million (ppm) from the 1997 standard of 0.085 ppm. On April 30, 2012, the EPA designated Denver-North Front Range Area as marginal nonattainment under the 2008 ozone standard (0.075 ppm). The marginal nonattainment designation does not impose any new planning requirements on the State of Colorado at this time; however, the Denver-North Front Range Area must meet the standard before 2015 or new requirements may be imposed.

The Denver-North Front Range 8-hour Ozone Nonattainment Area for the 2008 ozone NAAQS keeps the same boundary as the nonattainment area under the 1997 ozone NAAQS, which covers the counties of: Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, Jefferson, and parts of Larimer and Weld Counties that have the highest concentration of emissions.

The regional transportation planning process has been organized to assure communication and coordination between air quality agencies and transportation agencies. The DRCOG transportation committee structure is defined in an MPO Memorandum of Agreement (MOA). The Prospectus and an MOA between DRCOG

and the RAQC define the positions in specific committees. The RAQC and APCD staffs are full participants in the air quality technical work of the planning program. A MOA was prepared and executed by DRCOG and the APCD in 1998 that defines specific roles and responsibilities of DRCOG, the Air Quality Control Commission (AQCC), and the APCD, with respect to coordination of activities and technical responsibilities. DRCOG is responsible for preparing transportation data to be used for air quality modeling associated with conformity determinations. The APCD is responsible for conducting air quality modeling and mobile source emission calculations. In addition, since the 8-Hour Ozone conformity process involves three regional planning agencies, an MOA addressing this process was signed in March 2008 by CDPHE, CDOT, RAQC, Upper Front Range TPR, NFRMPO, and DRCOG. This MOA outlines agency roles, methods for determining conformity, and procedures for compiling model results from the three planning regions.

Planning activities, which have a direct relationship to air quality and in which air quality will be directly considered, include:

- Activity [4.1](#), congestion management planning and integration into programming process;
- Activity [4.2](#), transportation operations planning and integration into programming process;
- Activity [4.3](#), regional TDM planning products and actions that support reduced VMT and motor vehicle trips;
- Activity [3.4](#), updates to various state (air quality) implementation plans (SIPs) and conduct of the air quality conformity analysis on the RTP and TIP, updates to Regulation 10 that outlines conformity procedures and roles of DRCOG and APCD, and incorporation of new MOVES model into the conformity process;
- Activity [6.0](#), products and actions associated with the preparation of the new Metro Vision 2040 Plans will be closely linked to air quality and sustainability.

Status of the Metro Vision Plan and Regional Transportation Plan

The following table lists the most recent status (as of July 2013) of the Metro Vision Plan, the Regional Transportation Plan, and associated planning documents.

<u>Documents</u>	<u>Action/Date</u>
Metro Vision 2035	Amended February 2013
Metro Vision Growth and Development Supplement	Amended January 2012
Open Space Plan	Adopted July 1999
2035 Metro Vision Regional Transportation Plan (includes Fiscally Constrained Element)	Amended February 2013

<u>2012-2017 Transportation Improvement Program</u>	Adopted March 2011
<u>Pedestrian and Bicycle Element of the 2035 Metro Vision Regional Transportation Plan</u>	Adopted May 2009
<u>Transit Element of the 2035 Metro Vision Regional Transportation Plan</u>	Adopted April 2010
<u>Regional TDM Short Range Plan</u>	Adopted June 2012
<u>Denver Regional Intelligent Transportation Systems Strategic Plan</u>	Amended October 2010
<u>Public Involvement in Regional Transportation Planning</u>	Adopted April 2010

FY2012-FY2013 Activities

Major activities completed in the FY2012-FY2013 UPWP are:

- Adoption of the *2014-2015 Unified Planning Work Program*
- Numerous amendments to the *2012-2017 Transportation Improvement Program*
- Several amendments and conformity determinations associated with the *2035 MVRTP*
- Completed the Limited English Proficiency Plan (LEP)
- Developed a Regional Concept of Transportation Operations (RCTO)
- Adopted the Regional TDM Short Range Plan
- Completed annual congestion management process reports
- Completed two safety reports: *Report on Traffic Safety in the Denver Region* and *Pedestrian and Bicycle Safety in the Denver Region*

III. THE PLANNING PROGRAM FOR FISCAL YEARS 2014 AND 2015

Program Organization

The transportation planning program lists proposed transportation and transportation-related planning activities in the Denver region from October 1, 2013 through September 30, 2015. (*Hyperlinks to referenced documents are underscored.*)

UPWP activities are organized into two major groups:

- Activities funded with federal urban transportation planning funds, and
- Other major planning activities

The federal urban transportation planning funded activities are organized to reflect key objectives associated with the implementation of Metro Vision:

- **Working together** – The UPWP recognizes that coordination between the Metropolitan Planning Organization (MPO) participating agencies is necessary to address transportation and development issues of the region if the goals and objectives of Metro Vision are to be accomplished.
- **Involving the public in decision-making** – Public involvement and support of the public is necessary in achieving projects that are consistent with the Metro Vision goals and policies. The UPWP supports efforts to increase the participation of the public in the planning process.
- **Evolving the Metro Vision** – Metro Vision is not static; it evolves as necessary to address new challenges. Important aspects of Metro Vision will be refined through activities of this UPWP to enhance personal mobility via all modes of travel and improve the quality of life in our communities.
- **Making the transportation system work better** – Agencies in the DRCOG region must operate existing infrastructure and systems as safely, effectively, and efficiently as possible.
- **Implementing the Metro Vision plan** – This objective recognizes that effective projects of all sizes must be implemented and monitored to help the region achieve the transportation and development goals of the region.
- **Preparing the new 2040 Plans** – A new Metro Vision 2040 Plan and companion 2040 MVRTP will be adopted in late 2014. Several outreach and technical tasks will be completed prior to preparing the draft plan documents for public review and adoption
- **Support Systems for Planning** – The ability to conduct effective planning activities requires the acquisition and maintenance of critical data and planning tools.

Other major planning activities are presented in Chapter V and organized in three groups:

- **Planning for projects identified in the Transportation Improvement Program** – The implementation of major projects requires planning

studies, environmental assessments, and design activities. One or more of the implementation steps for the projects listed in this section have been funded with federal and state funds and are derived from the Regional Transportation Plan (RTP).

- **Activities identified in the CDOT State Planning and Research Program** – The Colorado Department of Transportation (CDOT) prepares a document similar to the UPWP for its planning activities. A number of these activities affect this region and are so listed.
- **Non-federally funded and local government planning activities** – The Regional Transportation District (RTD) and local governments conduct various plans and prepare project environmental documents. Significant transportation planning and project development activities are listed in this section

Program Financing

For the federal transportation planning funded activities, total revenues available to carry out essential transportation planning activities within the region are displayed by specific funding source (Table 1 of Appendix A). The anticipated distribution of total funds to each of the seven major objectives identified above is indicated by the agencies completing the objectives (Tables 2 and 3 of Appendix A). Funding sources are also indicated.

Activities of Priority

- Monitor federal, state, and/or regional efforts to increase transportation funding (Activity [3.3](#))
- Continue to monitor and assist with the preliminary work related to the new 8-hour ozone SIP development (Activity [3.4](#))
- Continue to focus on methods to manage congestion by reducing demand and improving operations (Activity [4.1](#) and [4.2](#))
- Adopt the 2016-2021 Transportation Improvement Program (TIP), including the associated TIP Policy document (Activity [5](#))
- Continue to promote the implementation of Metro Vision policies by informing and facilitating collaboration among local governments and other regional partners (Activity [5.4](#))
- Continue efforts associated with the development and adoption of the Metro Vision 2040 Plan and 2040 MVRTP (Activity [6](#))
- Add to the suite of performance measures to be incorporated into plans, performance tracking, or project selection processes and develop corresponding analytics (Activity [5.5](#), [6.1](#), [6.3](#), and [7.3](#))
- Respond to rules and guidance of MAP-21 as they become available

Descriptions, including the objectives, products, and agency participation for each activity in program sequence, are included on the following pages. Lead agencies are underlined and agencies contributing substantive work to the activity are listed.

IV. FEDERAL URBAN TRANSPORTATION PLANNING PROGRAM ACTIVITY DESCRIPTIONS

DRCOG will potentially need consultant assistance in completing some planning activities in this UPWP, including during periods of staff vacancies, with specific references as noted.

Objective 1.0 Working Together

Activity 1.1 Interregional Planning Coordination

Purpose: To maintain the working relationship and coordination of planning efforts between DRCOG and its neighbors that address interregional issues and opportunities associated with transportation (consultant assistance may be required).

Tasks:

Ongoing

- Maintain communication and exchange information with other regional stakeholders including neighboring areas (Elbert, El Paso, Larimer, Park, Summit, and Weld (non-MPO) counties) and the state on transportation, land use, and economic development issues
- Coordinate with other MPO's and TPR's on planning for transportation facilities and services adjacent to mutual border
- Work with North Front Range MPO and Upper Front Range TPR on 8-Hour Ozone Conformity activities and documents
- Monitor and report on key efforts of interregional transportation proposals
- Monitor, participate, and/or assist with statewide transportation planning activities and funding opportunities
- Participate in and/or monitor the state transportation-related enterprises and committees: 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
- Continue participation and involvement with the I-70 Coalition, as needed
- Maintain communication and exchange information with the consultants and participants on various corridor studies that cross DRCOG's boundaries
- Attend the statewide MPO meetings

Participants: DRCOG, CDOT, RTD, Pueblo Area MPO, Pikes Peak Area MPO, North Front Range MPO, Cheyenne MPO, and others

Activity 1.2 Maintaining the Urban Transportation Planning Process

Purpose: To facilitate the planning and implementation of transportation projects and services, while strengthening the working relationships among the MPO partner agencies.

Tasks:**Ongoing**

- Participate in the DRCOG-held Regional Transportation Committee, Transportation Advisory Committee, Metro Vision Planning Advisory Committee, and other appropriate committees and working groups
- Participate in technical or advocacy groups and/or meetings with planning partners
- Manage and administer the transportation planning process, including the FY2014-2015 Unified Planning Work Program
- Incorporate guidance of state and federal agencies on the regional transportation planning process
- Participate on procedural efforts such as the definition of the functional highway class system, national highway system, and planning boundaries

2014

- Prepare and review FY2013 UPWP end-of-year report
- Prepare and review FY2014 UPWP mid-year report

2015

- Prepare and review FY2014 UPWP end-of-year report
- Prepare and review FY2015 UPWP mid-year report
- Review the Prospectus, [Transportation Planning in the Denver Region](#) (update if necessary)
- Complete and adopt the FY2016-FY2017 UPWP

Participants: DRCOG, CDOT, RTD, APCD, RAQC, local governments

Objective 2.0 Involving the Public in Decision-making

Activity 2.1 Conduct the DRCOG Public Participation Process

Purpose: To inform stakeholders about the objectives, activities, and progress of DRCOG plan and program development and to provide an opportunity for them to participate in planning and policy decisions by conveying their opinions to the DRCOG staff and the Board members.

Tasks:

(Note that public participation efforts specifically associated with the development of the 2040 Plans are covered in Activity [6.0](#))

Ongoing

- Conduct public forums, community meetings, and workshops regarding major planning products, as identified in the other activities
- Monitor, compile, and present comments and input received from the public
- Inform the public of adopted documents, program amendments, and opportunities to offer comments via DRCOG's website
- Give presentations to community, advocacy, and other interest groups, as requested
- Create and maintain various Web pages
- Research, develop, and manage interactive internet-based technologies to support the public participation process
- Continue to research alternative methods for the delivery of plan content to maximize the reach and accessibility of such materials
- Engage the Citizens Advisory Committee (CAC) to ensure issues and potential impacts are considered throughout the Metro Vision update

2014

- Prepare and conduct short courses on Metro Vision and transportation planning process
- Hold public hearings and facilitate public comment periods associated with 2035 MVRTP and Metro Vision 2035 Plan amendments, annual FasTracks review, and other topics (may include consultant assistance)
- Build on the work in the 2012 Listening Tour for Metro Vision 2040, with ongoing engagement in the region, including feedback from related committee outreach

2015

- Prepare and conduct short courses on Metro Vision and transportation planning process
- Hold public hearings and facilitate public comment periods associated with 2040 MVRTP and Metro Vision 2040 Plan adoption, annual FasTracks review, 206-2021 TIP adoption, and other topics (may include consultant assistance)

Participants: DRCOG, CDOT, RTD, and local governments

Activity 2.2 RTD and CDOT Local Government Planning Process

Purpose: To provide a mechanism that incorporates the input of local and governmental jurisdictions into the RTD Strategic Business Plan (SBP) and CDOT planning process.

Tasks:

Ongoing

- Gather input from local government representatives for RTD's Strategic Business Plan (SBP) 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, CDOT and local governments, DRCOG

Objective 3.0 Evolving the Metro Vision

Activity 3.1 Administer the Metro Vision Assessment and Amendment Process

Purpose: To maintain up-to-date Metro Vision elements (Regional Transportation Plan and Growth and Development Supplement) through a review and amendment process.

Tasks:

Ongoing

- Assist member governments to incorporate DRCOG's Metro Vision policy elements into their local planning process
- Update the Growth and Development Supplement, as needed

2014

- Conduct Assessment and Amendment process for 2035 Plans:
 - Complete second cycle 2013
 - If needed, complete first cycle 2014

2015

- Conduct Assessment and Amendment process for 2040 Plans:
 - Complete first cycle 2015
 - Begin second cycle 2015

Participants: DRCOG, CDOT, RTD, and local governments

Activity 3.2 Refine Metro Vision's Growth and Development Elements

Purpose: To provide for the ongoing refinement of the growth and development sections of the Metro Vision Plan.

Tasks:

Ongoing

- Convene the Metro Vision Planning Advisory Committee, stakeholders, and related working groups to discuss potential policy updates, as needed
- Coordinate with member governments on member-sponsored amendments (e.g., new urban centers, other policy amendments, etc.)
- Continue research and development work supporting the monitoring and evaluation of the goals and policies of Metro Vision
- Maintain Urban Growth Area/Boundary (UGB/A) status for area jurisdictions
- Administer emergency requests for new UGB/A, as needed

2015

- Administer the UGB/A allocation (expansion) process following the Metro Vision 2040 adoption process

Participants: DRCOG

Activity 3.3 Metro Vision Regional Transportation Plan

Purpose: To maintain the Metro Vision [Regional Transportation Plan](#).

Tasks:

Ongoing

- Participate and provide technical support in regional NEPA/environmental and Planning and Environment Linkages (PEL) efforts and/or similar regional planning efforts, as necessary; implement or incorporate into planning documents as appropriate
- Participate and conduct analyses on efforts to evaluate environmental sustainability policy issues
- Participate in regional and statewide efforts to consider freight movement in planning activities and evaluate need to conduct additional analysis of freight issues in the Denver region
- Incorporate actions or products that respond to state or federal transportation legislation guidance on regional transportation plans (e.g., MAP-21)
- Monitor state and/or regional efforts to increase funding for transportation and assist as necessary

2014 and 2015

- See Activity [6.0](#) for tasks related to development of the 2040 MVRTP

Participants: [DRCOG](#), CDOT, RTD and local governments

Activity 3.4 Air Quality Conformity

Purpose: To facilitate implementation of transportation facilities by demonstrating air quality conformity of the adopted TIP, TIP amendments, adopted MVRTP, and MVRTP amendments, as necessary (finding of conformity is a federal requirement and a prerequisite to the adoption or amendment of the TIP or RTP).

Tasks:

Ongoing

- Track implementation of HB06-1302—Implementation of Clean Screen/High-Emitter Remote Sensing Plan, and other AQCC regulations (e.g., Regulation 7, Regulation 11) impacting transportation
- Monitor the readings and trends of criteria pollutants in relation to established attainment standards
- Monitor federal legislation regarding new standards, requirements, or procedures. Assist air quality agencies (APCD, RAQC), as needed

State Air Quality Implementation Plans (SIP):

2014

- Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC)
- Following the EPA's approval of the Revised Regulation 10, update the 1998 MOA for transportation conformity evaluations between CDPHE and DRCOG
- Continue with activities associated with the Regional Haze SIP

2015

- Collect annual Regulation 16 Street Sanding and Sweeping reports and prepare a summary (RAQC)

Transportation Air Quality Conformity:

2014

- Prepare highway and transit networks (DRCOG), perform air quality conformity model runs (DRCOG and APCD), and review highway networks (CDOT) and transit networks (RTD) associated with amendments of the 2035 MVRTP
- Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments of the 2035 MVRTP.
- Collect new PM10 reduction commitments from local governments and road agencies for the 2040 MVRTP

2015

- Prepare highway and transit networks (DRCOG), perform air quality conformity model runs (DRCOG and APCD), and review highway networks (CDOT) and transit networks (RTD) associated with amendments of the 2035 MVRTP
- Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments of the 2035 MVRTP

Participants: DRCOG, APCD, RAQC, AQCC, RTD, CDOT, local governments

Activity 3.5 Pedestrian and Bicycle Element Planning

Purpose: To monitor efforts, provide assistance, and prepare products that support the Pedestrian and Bicycle Element of the 2035 MVRTP. (Consultant assistance may be required.)

Tasks:

Ongoing

- Respond to questions and requests for assistance regarding local pedestrian and bicycle planning topics
- 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
- 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
- Evaluate the capabilities and benefits of the Focus travel demand model for estimating pedestrian and bicycle trips, and assignment routing. (related to TIP funded study, TIP ID 2012-095)

2014

- Complete comparative summary analysis of recently completed TIP bicycle and pedestrian projects – benefits, user counts, comparison to predictions, etc.
- 2016-2021 TIP: 1) Assist with development of bicycle and pedestrian project evaluation criteria and eligibility provisions; 2) Consider updating the 2035 Regional Bicycle Corridor System Vision; 3) Assist with the scoring of proposed bicycle and pedestrian projects; 4) Prepare applicable section of the draft CMAQ performance plan associated with the new TIP.
- Begin preparation of the Pedestrian Element of the 2040 MVRTP
- Begin preparation of the Bicycling Element of the 2040 MVRTP, including the Regional Bicycle Corridor System Vision map and identification of current missing link projects
- Monitor efforts by RTD and local governments on pedestrian and bicycling access to transit stations. Determine applicable role for DRCOG or products to produce.

2015

- 2016-2021 TIP: Prepare applicable section of the final CMAQ performance plan associate with the new TIP. Finalize scoring and project selection of proposed bicycle and pedestrian projects.
- Complete the Pedestrian Element of the 2040 MVRTP
- Complete the Bicycling Element of the 2040 MVRTP

Participants: DRCOG, RTD, CDOT, local governments

Activity 3.6 Regional Transit Planning

Purpose: To maintain the Transit Element of the 2035 MVRTP and monitor and assist with transit planning activities.

Tasks:

Ongoing

- Participate with the Denver Regional Mobility and Access Council (DRMAC) and other groups on efforts to improve coordination of specialized transit services, including serving on DRMAC's Board in an ex-officio capacity

- Coordinate with DRMAC, DRCOG's Area Agency on Aging (AAA), and other stakeholders in planning, development, and implementation of regional specialized transit coordination strategies as recommended by recent studies from the AAA and DRMAC
- Monitor, participate, and/or assist with local and regional transit planning activities and studies
- Coordinate with RTD on the progress, status, and performance of DRCOG-selected FTA grant-funded specialized transit projects
- See Task 1.1 for participation in CDOT-led or funded transit activities
- See Task [5.6](#) for Annual FasTracks Assessment

2014

- 2016-2021 TIP: 1) Assist with development of transit project evaluation criteria and eligibility provisions; 2) Assist with the scoring of proposed transit projects; 3) Prepare applicable section of the draft CMAQ performance plan associated with the new TIP
- Begin preparation of the Transit Element section of the 2040 MVRTP

2015

- Complete selection process for FY2016 and FY2017 FTA Section 5310 funds within the Denver-Aurora urbanized area
- 2016-2021 TIP: 1) Prepare applicable section of the final CMAQ performance plan associated with the new TIP; 2) Finalize scoring and project selection of proposed transit projects
- Complete the Transit Element section of the 2040 MVRTP

Participants: DRCOG, RTD, CDOT, DRMAC and others

Activity 3.7 Oversight of RTD System Planning Process

Purpose: To continue to provide system-level planning for the rapid transit corridors, the regional bus network, and transit facilities.

Tasks:

Ongoing

- Continuing oversight of system planning process

Participants: RTD

Activity 3.8 Addressing Transportation Safety Issues

Purpose: To further incorporate safety data and analyses into regional plans and planning activities. (consultant assistance may be required)

Tasks:

Ongoing

- Geocode crashes in the Denver region that are off the state highway system, as data is made available
- Participate with CDOT on the update to the Strategic Plan for Improving Roadway Safety and the Colorado Strategic Highway Safety Plan
- Update road segment and intersection crash rate database, preparing analyses of results, as needed
- Respond to requests for information

2014

- Develop and administer methods for incorporating safety information into the project evaluation and selection process for the 2016-2021 TIP and 2040 MRTTP

2015

- Update the two DROCG safety reports and republish (*Report on Traffic Safety in the Denver Region* and *Pedestrian and Bicycle Safety in the Denver Region*)

Participants: DRCOG, CDOT, public highway authorities, local governments, others

Activity 3.9 Participate in Transportation Security Planning

Purpose: To 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:

Ongoing

- Monitor and respond to federal rulemaking and guidance documents
- Participate on federal and state agency committees dealing with security and transportation, as requested
- Liaise with the Governor's Office of Homeland Security (GOHS)
- 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, CDOT, RTD, local governments, public highway authorities, GOHS (North Central Region and Northeast Region), and others

Activity 3.10 System Preservation

Purpose: To monitor and/or report conditions of transportation assets at the regional level. (consultant assistance may be required)

Tasks:

Ongoing

- Monitor and compile CDOT and RTD data related to pavement, bridge, transit fleet, facility condition, and other as appropriate
- Investigate future potential coordination activities, including monitoring, collecting, and reporting with other planning partners

2014

- Determine specific activities to be conducted, based on future guidance from CDOT and FHWA

Participants: DRCOG, CDOT, RTD, local governments, public highway authorities

Objective 4.0 Making the Transportation System Work Better

Activity 4.1 DRCOG Congestion Management Process

Purpose: To administer, maintain, monitor, and update 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:

Ongoing

- Update the Congestion Mitigation Program (CMP) databases annually
- Update formulas and factors for delay calculations, as needed
- Prepare public information and outreach documents and presentations, including summaries of CMP data and the maintenance and update of CMP pages on the DRCOG web site
- Monitor federal (MAP-21) and statewide congestion measures, methodologies, and analytical tools
- Continue partnership with CDOT on operational evaluations of key bottleneck locations
- Monitor results of capacity improvements at key congested locations
- Monitor research on impacts and benefits of tolling and pricing mechanisms

2014

- Develop and administer methods for incorporating congestion information into the project evaluation and selection process for the 2016-2021 TIP and 2040 MVRTP
- Complete initial examination of modeling traffic operations at freeway and other bottleneck locations utilizing DynusT
- Prepare 2013 Annual Report of Traffic Congestion in the Denver Region

2015

- Complete follow-up DynusT analyses depending on outcome of examination in 2014
- Use congestion mitigation program data in the evaluation process for ITS Pool and TDM Pool project funding allocation
- Prepare 2014 Annual Report of Traffic Congestion in the Denver Region

Participants: DRCOG, CDOT, RTD, TMOs, public highway authorities, local governments

Activity 4.2 Regional Transportation Operations

Purpose: To provide a Regional Transportation Operations technical perspective to the Metro Vision planning process, assure project conformance with the Regional ITS Architecture and the Regional Concept of Transportation Operations, and continue to facilitate cooperative work on ITS deployment and day-to-day transportation operations.

Tasks:**Ongoing**

- Conduct periodic stakeholder meetings to maintain dialogue necessary to implement the Regional Concept of Transportation Operations and assist with project implementation
- Monitor ITS deployment to ensure compliance with 23 CFR Part 940 and maintain systems engineering analysis project documentation submitted by stakeholders
- Maintain the DRCOG Turbo Architecture database and companion document
- Assist with the maintenance of the CDOT ITS Systems Engineering Analysis Guidelines
- Assist CDOT and FHWA with development and implementation of a statewide transportation operations plan
- Incorporate ITS and operations strategies into the Congestion Management Process analyses, measures, and public information products
- Coordinate with deployment of DRCOG's regional dynamic traffic assignment model
- Maintain and update Regional Transportation Operations and other applicable DRCOG web site pages
- Assist in the establishment of interjurisdictional and interagency data sharing and performance measure procedures and agreements

2014

- Develop concept of operations for regional data collection, management, and data sharing
- Develop regional incident management process
- Assist in 2040 MVRTP development, contributing to transportation management and operations elements

2015

- Develop concept of operations for regional traffic operations monitoring support

Participants: DRCOG, FHWA, CDOT, RTD, public highway authorities, public safety agencies, local governments [traffic, public safety, and information technology elements]

Activity 4.3 Regional TDM Planning

Purpose: To facilitate and monitor the provision of travel demand management services and projects consistent with the 2035 MVRTP. (consultant assistance may be required)

Tasks:**Ongoing**

- Monitor progress and results of projects funded through the TIP Regional TDM Pool, including activities of the Regional TDM Program

- Monitor new types of TDM activities and techniques and incorporate into the TDM Strategic Plan, as necessary
- Monitor and assist with “last-mile” studies and analyses associated with various transit stations

2014

- Prepare applicable draft TDM section of the CMAQ performance plan associated with the new 2016-2021 TIP.
- Prepare work plan for the conduct and establishment of routinized annual surveys of travel mode share and vehicle occupancy
- Begin preparation of the TDM Element section of the 2040 MVRTP

2015

- Prepare final draft TDM section of the CMAQ performance plan associated with the new 2016-2021 TIP.
- Conduct the project selection process for the Regional TDM Pool for FY2016 and FY2017
- Prepare summary report on progress, status, and outcomes of TDM Program and Pool.
- Complete the TDM Element section of the 2040 MVRTP

Participants: DRCOG, CDOT, RTD, TMO’s, local governments

Objective 5.0 Implementing the Metro Vision Plan

Activity 5.1 Transportation Improvement Program

Purpose: To maintain the conforming transportation improvement program by identifying projects to be funded with federal resources and other regionally significant projects. (consultant assistance may be required)

Tasks:

Ongoing

- Conduct appropriate project programming activities when additional revenues are made available or resources are decreased
- Prepare quarterly policy amendments and monthly administrative modifications (a) to the [2012-2017 Transportation Improvement Program](#) through March 2015, and (b) to the 2016-2021 Transportation Improvement Program after April 2015 and maintain the up-to-date web-version of the Transportation Improvement Program Tables on the drcog.org website and TRIPS, as necessary
- Provide assistance to implementing agencies, as needed (CDOT, RTD, local governments)
- Provide financial and project coordination, as necessary (CDOT, RTD, DRCOG)

2014

- Prepare and adopt *Policy on Transportation Improvement Program: Procedures for Preparing the 2016-2021 TIP*.
- Prepare and issue a call for projects
- Prepare annual projects delayed report for FY2013
- Prepare annual list of obligated projects for FY2013
- Prepare annual CMAQ benefits evaluations for FY2013

2015

- Complete project selection and adoption the 2016-2021 Transportation Improvement Program, including air quality conformity, CMAQ Performance Plan, and TIP Performance Plan
- Prepare annual projects delayed report for FY2014
- Prepare annual list of obligated projects for FY2014
- Prepare annual CMAQ benefits evaluations for FY2014
- Conduct the project selection processes for station area master plans/urban centers

Participants: [DRCOG](#), CDOT, RTD, local governments

Activity 5.2 RTD Strategic Business Plan

Purpose: To prepare the RTD Strategic Business Plan (SBP) for both the 2014-2019 and the 2015-2020 time frames.

Tasks:

2014

- Prepare the 2014-2019 Strategic Business Plan for input into the Transportation Improvement Plan

2015

- Prepare the 2015-2020 Strategic Business Plan for input into the Transportation Improvement Plan

Participants: RTD

Activity 5.3 Park-n-Ride[®] Planning and Transit Oriented Development (TOD)

Purpose: To 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 [see Activity [5.4](#)].

Tasks:

Ongoing

- 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
- Refine RTD design guidelines to reflect TOD policy goals
- Benchmark TOD activity in annual status report and FasTracks Quality of Life study
- Provide ongoing TOD education and outreach
- Complete Annual TOD Status Report

Participants: RTD, DRCOG, local governments

Activity 5.4 Metro Vision Implementation Program

Purpose: To work with local and regional partners to advance the goals and policies of Metro Vision (consultant assistance may be required).

Tasks:

Ongoing

- Provide resources, decision-support tools, technical assistance, outreach, education, and information sharing opportunities to local jurisdictions to help

them better integrate Metro Vision goals, policies , and implementation strategies into local planning activities

- Sponsor events, organize workshops, and support workshops organized by other entities that support Metro Vision goals
- Review and comment on proposed amendments to local comprehensive plans to assess consistency with Metro Vision, as requested
- Assist and support local jurisdictions to resolve interjurisdictional growth and development issues, as requested
- Identify and highlight local government best practices regarding community design for people of all ages, incomes, and abilities
- Participate and monitor project development efforts
- Identify key barriers to Metro Vision implementation and investigate potential solutions
- Provide support with DOLA on education for area planning commissioners
- Work with the area development community on research of policy impacts that limit the success of Metro Vision goals and the outlined development impacts at urban centers
- Work with area jurisdictions on last mile transportation planning solutions
- Support area jurisdictions with best practice research for coordinated economic development and land use planning approaches
- Leverage lessons learned from Sustainable Communities Initiative (SCI) activities to further Metro Vision implementation (e.g., transit corridor planning and implementation, TOD projects, etc.)
- Urban Centers/Station Area Master Plan DRCOG-provided services

2014

- Establish and manage a Metro Vision Implementation Steering Group
- Establish, prioritize, and conduct specific activities associated with the implementation of Metro Vision, including projects identified by the Steering Group and supported by the DRCOG Board
- Initiate the update of the regional TOD study
- Complete work on the Boomer Bond tool kit of best practice policies and strategies for jurisdictions

2015

- Conduct specific activities associated with the implementation of Metro Vision 2040
- Set new priorities for the Metro Vision Implementation Task Force Steering Group
- Complete work on the update to the regional TOD report

Participants: DRCOG, local governments, CDOT, RTD

Activity 5.5 Performance Measure Reporting

Purpose: To update, compile, and report on regional performance measures derived from the Metro Vision and regional transportation planning processes.

Tasks:

Ongoing

- Compile data associated with various regional performance measures
- Monitor MAP-21 rulemaking and CDOT actions related to measures and targets
- Develop and distribute information products that support the monitoring and evaluation of Metro Vision goals and policies

2014

- Define and refine specific performance measures (i.e., sustainability, environmental, quality of life, growth & development, and transportation) that will be monitored and presented as part of overall planning process (measures specific to the new 2040 Plans will also be developed under Task [6.1](#))

2015

- Establish short-term (2-5 year) Metro Vision implementation measures (to be informed by Sustainable Communities Initiative (SCI) activities)
- Specific products will depend on actions in 2014

Participants: DRCOG**Activity 5.6 Annual FasTracks Assessment**

Purpose: To assess the status of FasTracks with respect to the April 2004 DRCOG Senate Bill 208 (SB-208) review annually or as otherwise directed by the DRCOG Board. Determine consistency of activities with the FasTracks Plan and whether further SB-208 review and approval will be required (and conduct such if required).

Tasks:

2014

- Complete the 2013 annual FasTracks assessment. Consultant assistance may be required for Financial Plan review (RTD would provide funding for financial consulting effort; CPG funds may be used for the other consultant activities)

2015

- Complete the 2014 annual FasTracks assessment. Consultant assistance may be required for Financial Plan review (RTD would provide funding for financial consulting effort; CPG funds may be used for other consultant activities)

Participants: DRCOG, RTD**Activity 5.7 FasTracks Program Management and Planning Assistance**

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

Tasks:

Ongoing

- Annual Program Evaluation of the FasTracks program, including revised capital costs, schedule, and preparation of program management plans for FasTracks corridors
- Preparation of the annual FasTracks assessment document for DRCOG
- Other assorted engineering, planning, and environmental activities for FasTracks

Participants: RTD

Objective 6.0 Preparing the New 2040 Plans

Activity 6.1 Preparation of the Metro Vision 2040 Plan (MV 2040)

Purpose: To complete the MV 2040 Plan (consultant assistance may be required).

Tasks:

Ongoing

- Maintain and monitor all tasks and activities related to the completion of the 2040 Plans
- Facilitate technical committees and other related meetings
- Convene workgroups to address specific policy issues, as needed
- Identify overarching plan implementation guidance and strategies

2014

- Continue public engagement and outreach efforts
- Complete Metro Vision 2040 scenario analysis activities and reports
- Assist DRCOG Board as needed to develop policies for Metro Vision 2040
- Complete final small area socioeconomic forecast allocations at the transportation analysis zone (TAZ) level
- Develop curriculum for Metro Vision 2040 Citizens Academy
- Integrate SCI-funded regional activities (housing, economic development, Regional Equity Atlas, and Boomer Bond) into Metro Vision 2040 process
- Review capability of modeling local fiscal impacts of growth
- Incorporate analytic and output enhancements to the Focus travel demand model supporting the development of the 2040 Plans
- Complete the draft Metro Vision 2040 document(s) to go for public review in late 2014
- Complete the development of the Urban Sim Land Use Model and initiate its use for the 2040 MVRTP air quality conformity modeling work

2015

- Complete and adopt the final Metro Vision 2040 document
- Complete Implementation and Action plan including resource programs, regional partner strategies, local implementation tools, etc.
- Update plan consistency/referral checklist and process

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

Activity 6.2 Preparation of the 2040 Metro Vision Regional Transportation Plan (2040 MVRTP) and Fiscally Constrained 2040 RTP (FC-2040 RTP)

Purpose: To coordinate tasks specific to the preparation of the 2040 MVRTP and FC-2040 RTP. (consultant assistance may be required)

Tasks:**Ongoing**

- Monitor state and federal factors that will impact the 2040 MVRTP
- Work in conjunction with CDOT on linkage to the Statewide 2040 Transportation Plan

2014

- Incorporate all of the analytical assessment tools including, but not limited to, asset monitoring and/or management (3.10), economic development impact methodologies (5.1), 2040 Plan performance measures (6.1), alternative scenario analysis outcomes (6.1), greenhouse gas computations (7.3), and accessibility measures (7.3) into the 2040 MVRTP and FC-2040 RTP development process
- Finalize revenue estimates for 2040 MVRTP funding categories and incorporate CDOT program distribution results
- Identify the “vision” transportation system and services
- Complete evaluation of proposed roadway capacity and rapid transit improvements for inclusion in the FC-2040 RTP
- Consider optional financial scenarios (e.g., ballot measure to increase funding)
- Conduct transportation and air quality modeling and incorporate results into the draft 2040 MVRTP
- Compile 2040 plan elements completed under other UPWP activities into the final 2040 MVRTP documents

2015

- Complete and adopt final 2040 MVRTP documents

Participants: DRCOG, local governments, CDOT, RTD, other partner agencies

Activity 6.3 Metro Vision 2040 Outreach and Public Participation

Purpose: To inform stakeholders about the objectives, activities, and progress of the 2040 plan development and to provide an opportunity for them to participate in planning and policy decisions by conveying their opinions to the DRCOG staff and the Board members (consultant assistance may be required).

Tasks:**Ongoing**

- Use interactive internet-based technologies, web pages, and other communication strategies to support public participation process, as appropriate
- Seek public involvement in visioning and the refinement of policies and strategies for MV 2040
- Monitor and compile results and information obtained through public participation activities

- Facilitate Citizens Advisory Committee to ensure issues and potential impacts are considered throughout the Metro Vision update

2014

- Execute engagement mechanisms for key stakeholder groups
- Leverage Sustainable Community Initiative (SCI) stakeholder engagement activities (e.g. grassroots leader training, training on link between local and regional issues; large-scale, interactive workshops, etc.) in Metro Vision plan development
- Conduct further public participation activities to be defined

2015

- Conduct further public participation activities to be defined

Participants: DRCOG, local governments, CDOT, RTD, other partner agencies

Objective 7.0 Support Systems for Planning

Activity 7.1 Develop Regional Information Products and Technologies

Purpose: To be a regional resource for the research, development, and deployment of tools and technologies, and provide data and information that support regional planning, including Metro Vision planning and implementation activities (consultant assistance may be required).

Tasks:

Ongoing

- Develop and maintain socioeconomic, geospatial, and other datasets in support of transportation and land use planning activities for all models being used (Focus, UrbanSim, and DynusT)
- Participate in and provide information and technical expertise to the environmental processes completed by outside agencies
- Maintain toolkit of application components that allow for rapid deployment of Rich Internet Applications (RIAs), including frameworks for Web 2.0 content management and collaboration
- Continue to expand and integrate new data into the DRCOG internal Regional Data Warehouse, and provide output through the online Regional Data Catalog
- Develop and update, as needed, informational products including the Regional Economic Report, Community Profiles, Legislative District Profiles, etc.
- Provide technical assistance to local governments, partner agencies, and the public
- Prepare and distribute public informational items such as presentations, maps, graphics, database tables and summaries, as necessary
- Coordinate the Regional Data Consortium and other related data events

2014

- Launch the 2014 Denver Regional Aerial Photography Project (DRAPP)

2015

- Complete the 2014 DRAPP

Participants: DRCOG, local governments

Activity 7.2 Regional Modeling and Forecasting

Purpose: To maintain, operate, expand, and refine the regional modeling and forecasting tools (consultant assistance may be required).

Tasks:**Ongoing**

- Maintain and refine Focus model, as necessary
- Calibrate and validate the UrbanSim land use model and use for regular planning products.
- Evaluate other modeling/visualization/economic tools, as needed
- Support work groups associated with forecasting and modeling efforts
- Provide model components and outputs to planning partners or consultants conducting NEPA or other studies, as necessary
- Maintain regional DynusT model and use, as needed, for project analyses
- Work with RTD to evaluate Focus travel demand model forecasts regarding Park-n-Ride® and TOD outcomes. Determine if refinements are justified based on available data and methodological tools.

2014

- Incorporate specific enhancements to the Focus model to support development of the 2040 Plans
- Continue development of UrbanSim
- Summarize toll survey data (collected by others) for regional applicability
- Complete commercial vehicle survey as part of the Front Range Travel Counts project

2015

- Maintain UrbanSim land use model (including new calibration and validation)

Participants: DRCOG, RTD, APCD, RAQC, CDOT, consultant team(s)

Activity 7.3 Assemble and Prepare Transportation and Related Data

Purpose: To obtain, maintain, and distribute transportation and related data to be used in the regional transportation planning process. (consultant assistance may be required)

Tasks:**Ongoing**

- 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 QC, and add to the traffic count database
- Update the DRCOG website traffic count map to show count data for the last three years
- Define and calculate accessibility measures to be incorporated into plans, performance tracking, or project selection processes
- 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, as available
- Obtain traffic crash data from CDOT for the most recent year available

- Transfer state highway crashes into the DRCOG linear reference system and geocode crashes on non-state roadways
- Complete summary documentation associated with the Front Range Travel Counts project, offer training to prospective data users, and compile data outputs for specific requests
- Summarize Front Range Travel Counts data for use in model calibration
- Update TRIPS project database when applicable

2014

- Conduct the annual Transportation Improvement Survey
- Edit the transportation information database per plan amendment and update various travel model networks staging respectively

2015

- Conduct the annual Transportation Improvement Survey, if needed.
- Edit the transportation information database per plan amendment and update various travel model networks staging respectively

Participants: DRCOG, CDOT, RTD, local governments

V. OTHER MAJOR PLANNING ACTIVITIES

The following sections describe other major planning activities that will be ongoing during FY2014-2015.

A. Identified in a previous/current Transportation Improvement Program

SPONSOR	DESCRIPTION
<i>Corridor/Interchange/Operational Studies/EA/EIS</i>	
CDOT Region 4	Environmental Impact Statement of North I-25 (DUS to Ft. Collins)
CDOT Region 1 Arapahoe County Centennial Greenwood Village	Environmental Assessment of the I-25 / Arapahoe Road Interchange and Design
CDOT Region 1	Environmental Impact Statement of the east I-70 corridor from I-25 to Tower Road
	I-25 North PEL
	SH-7 PEL
	I-225: Yosemite to I-25 PEL
	I-70/Kipling NEPA
Denver	East Colfax Transit Alternatives Analysis Study
DRCOG	Modeling Study: Complete Network Feasibility
Aurora	Parker Rd/Quincy Ave Area Roadway Operational Study
Wheat Ridge	Wadsworth Blvd. Widening: W. 35 th Ave to W. 46 th Ave PEL Study
<i>Rapid Transit Station Area <u>or</u> Urban Center Master Plans</i>	
Thornton	88 th Ave Station TOD Master Planning Study
	104 th Ave Station TOD Master Planning Study
	144 th Ave Station TOD Master Planning Study
Denver	Speer/Colfax/Auraria Next Steps Plan Northeast Downtown Next Steps Plan Golden Triangle Area Plan

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

SPONSOR	DESCRIPTION
CDOT	Benefit-Cost Analysis
	Colorado Construction Cost Index Forecast Model
	Front Range or Statewide Travel Demand Model Development
	Greenhouse Gas Model
	Intercity Bus Plan
	Interregional Connectivity Study
	Land Use and Transportation Pilot Study
	MAP-21 Mandated Risk-Based Asset Management Plan
	Multi-Asset Management Plan
	Project Cost Planner
	Project Pipeline Model
	Regional Commuter Bus Plan Statewide and Regional Transportation Plans

C. Non-Federally Funded & Local Governments Planning Activities

SPONSOR	DESCRIPTION
Arapahoe County	Iliff Avenue Corridor Study, Parker Road – Quebec – PEL Like Study
	Dry Creek/Havana ITS & Ops Study, Geddes – Yosemite
	I-70 Sub-area Transportation Study/Plan, Generally in area of I-70 and Watkins Road
Arapahoe County Centennial CDOT Douglas County Greenwood Village Jefferson County Lakewood Littleton Lone Tree RTD	C-470 Corridor Coalition Studies
Castle Rock	2030 Comprehensive Master Plan Update
Denver	Corridor Study of Colfax Avenue from Sheridan to Yosemite
	Corridor Study of Quebec Street from I-70 to Leetsdale
	Peoria/Smith Grade Separation NEPA Study
	South Platte River Corridor Study (EPA)
	Strategic Parking Plan
Denver Arapahoe County	Yale Avenue Corridor Study, Iliff – I-25
Douglas County Arapahoe County	County Line Road, Inverness Drive South – Yosemite
RTD	Bicycle Parking and Accessibility Plan
	Central Rail Extension Planning and Conceptual Mobility Study
	Development Review
	I-225 Corridor TOD Market Evaluation
	Northeast Area Transportation Evaluation II
	North Metro Corridor: Stock Show Station Planning
	Northwest Area Mobility Study
	Quality of Life Study
	RTD Boundary Mapping
	Strategic Parking Plan
	TOD Status Report
	US-36 / SH-119: Longmont and Louisville Station Planning
	West Corridor “Before” On-Board Study
Greenwood Village Arapahoe County	Bellevue Corridor Study
Weld County	SH66 Access Plan

APPENDIX A

PROGRAM FINANCING TABLES

Table 1
FY2014 and 2015 UPWP Funding Sources

Funding Source	Recipient	Federal	DRCOG Cash Match	RTD In-Kind Match	Total
FY 14 Consolidated Planning Grant	DRCOG	5,394,391	560,680	560,680	6,515,751
FY 15 Consolidated Planning Grant	DRCOG	4,276,878	444,529	444,529	5,165,935
FY12/FY13 CPG Contract Carryover	DRCOG	4,700,000	488,800	488,800	5,677,600
Additional RTD Program/Studies	RTD	0	0	2,800,000	2,800,000
TOTAL		\$14,371,269	\$1,494,009	\$4,294,009	\$20,159,286

Table 2
FY2014 and 2015 Expenditures by Agency

Activity		1	2	3	4	5	6	7	
	Agency	Working Together	Involving the Public in Decision Making	Evolving the Metro Vision Plan	Making the Transportation System More Efficient	Implementing the Metro Vision Plan	Preparing the New 2040 Plans	Support Systems for Planning	Total
FY2014 + Carryover	DRCOG	1,392,984	122,583	1,861,026	791,215	1,482,135	1,292,689	4,201,239	11,143,871
	RTD	50,000	50,000	500,000	50,000	2,000,000	0	400,000	3,050,000
FY2015	DRCOG	590,176	51,935	788,475	335,220	627,947	547,683	1,779,970	4,721,407
	RTD	50,000	50,000	500,000	50,000	294,008	0	300,000	1,244,008
TOTAL		\$2,083,160	\$274,518	\$3,649,501	\$1,226,435	\$4,404,090	\$1,840,372	\$6,681,210	\$20,159,286

DRCOG out-of-state travel budget	\$70,000	35 trips at an average \$2,000 each
Equipment Purchases	\$0	None identified at this time

Table 3
FY2014 and 2015 Revenues by Funding Source

Activity		1	2	3	4	5	6	7	
	Funding Source	Working Together	Involving the Public in Decision Making	Evolving the Metro Vision Plan	Making the Transportation System More Efficient	Implementing the Metro Vision Plan	Preparing the New 2040 Plans	Support Systems for Planning	Total
FY 2014 CPG (federal funds only)		1,261,799	111,038	1,685,763	716,702	1,342,554	1,170,949	3,805,585	10,094,391
	DRCOG	131,185	11,544	175,263	74,513	139,581	121,740	395,654	1,049,480
	RTD	50,000	50,000	500,000	50,000	2,000,000	0	400,000	3,050,000
FY 2015 CPG (federal funds only)		534,610	47,046	714,239	303,658	568,825	496,118	1,612,383	4,276,878
	DRCOG	55,566	4,890	74,236	31,562	59,122	51,565	167,587	444,529
	RTD	50,000	50,000	500,000	50,000	294,008	0	300,000	1,244,008
TOTAL		\$2,083,160	\$274,518	\$3,649,501	\$1,226,435	\$4,404,090	\$1,840,372	\$6,681,210	\$20,159,286

APPENDIX B

TABLE OF DRCOG AND RTD PRODUCTS AND EXPECTED COMPLETION DATES

Table 4
Key DRCOG and RTD Products and Expected Completion Dates

Activity	Products	2-Year Program Period							
		FY2014				FY2015			
		2013	2014			2014	2015		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
1.2	2016-2017 UPWP								X
2.1	Short courses		X				X		
3.1	Plan assessment and amendment process		X		X		X		X
3.4	Highway and transit networks	X		X		X		X	
	Air quality conformity determination reports		X		X		X		X
3.5	Analysis of completed bicycle / pedestrian projects		X						
3.6	FY2016/2017 5310 selection							X	
3.10	Inventory asset management methods	X							
4.1	Congestion report			X				X	
4.2	Regional ITS Pool Selection	X							
4.3	Regional TDM Pool Selection							X	
5.1	2016-2021 TIP Policy document			X					
	2016-2012 TIP						X		
	CMAQ performance plan						X		
	List of obligated projects		X				X		
	Projects delayed report		X				X		
5.2	Strategic Business Plan				X				X
5.3	TOD Status Report			X				X	
5.4	Regional TOD Study/Report								
5.6	FasTracks assessment					X		X	
5.7	RTD FasTracks report		X				X		
6.1	Complete 2040 Metro Vision Plan					X			
	Small area (TAZ) socioeconomic allocations		X						
	Scenario modeling and summary documents	X							
6.2	2040 revenue estimates & program distribution	X							
	Define vision transportation system	X							
	Define 2040 Fiscally Constrained network (s)		X						

Table 4
Key DRCOG and RTD Products and Expected Completion Dates

Activity	Products	2-Year Program Period							
		FY2014				FY2015			
		2013	2014			2014	2015		
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
	Complete 2040 Air Quality Conformity				X				
	Adopt 2040 MVRTP					X			
7.1	Denver Regional Aerial Photography Project (DRAPP)						X		
7.2	Commercial Vehicle Survey								X
7.3	Transportation Improvement Survey			X				X?	

ATTACHMENT D

To: Chair and Members of the Transportation Advisory Committee

From: Jacob Riger, Senior Transportation Planner
(303) 480-6751 or jriger@drcog.org

Subject: **Regional Roadway System Requests and 2040 MVRTP Vision Systems**

Meeting Date	Agenda Category	Agenda Item #
June 24, 2013	Informational	6

REQUESTED ACTION

No action requested. This item is for information.

SUMMARY

- DRCOG staff has been soliciting initial “transportation visioning” input for the 2040 MVRTP from member governments, CDOT, and RTD regarding two items:
 1. Designation of principal arterials on the DRCOG “Regional Roadway System” (RRS). As noted in the 2035 MVRTP, principal arterials represent major streets that serve regional through-traffic or serve as external statewide connectors. Other factors considered for the designation of principal arterials include:
 - spacing from other parallel facilities
 - interchanges with freeways
 - traffic volume
 - length of the roadwayProposals for additional principal arterials were received from three jurisdictions. The locations are shown on Figure 1, and pertinent data is included in Table 1. The TAC will be asked to make a recommendation at the July meeting.
 2. Verification of 2035 MVRTP envisioned improvements (aka capacity projects) on the Regional Roadway System and Regional Rapid Transit System to retain for the 2040 MVRTP.
- Roadway System Improvements: Figure 2 shows the base 2035 MVRTP improvement assumptions. Table 2 lists the proposed project changes to reflect in 2040 (additions, deletions, and modifications).
 - At this time, we are not looking at funding questions or issues. We are simply compiling the collective vision for the region. Funding will be addressed this Fall.
 - Please review the list over the next month to determine if there are concerns with improvements envisioned by neighboring jurisdictions or agencies. Ideally you could work together to develop “agreed-upon” improvements.
 - Also review to make sure we have correctly portrayed the proposed changes and let us know of any more.
- Rapid Transit System Improvements: Table 3 lists the proposed additions.
 - At this time, we are not looking at funding questions regarding these additions. It is also acknowledged that the ongoing RTD Northwest Area

Mobility Study (NAMS) will provide further clarification of several of the improvements for us to incorporate later this year.

PRIOR BOARD ACTION

N/A

FINANCIAL CONSIDERATIONS

N/A

ALTERNATIVES

N/A

PROPOSED ACTION/RECOMMENDATIONS
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N/A

BACKGROUND INFORMATION

Attachments:

- Table 1. Proposed Principal Arterial Additions to the Regional Roadway System
- Table 2. 2040 MVRTP Roadway Project Updates: Additions/Deletions/Modifications of Description
- Table 3. 2040 MVRTP Proposed Rapid Transit Additions
- Figure 1. Proposed Principal Arterial Additions to the Regional Roadway System
- Figure 2. 2035 Metro Vision Regional Transportation System Improvements

Table 1: Proposed Principal Arterial Additions to the Regional Roadway System

(June 17, 2013)

Sponsor	Proposed Principal Arterial Segment	Segment Traits			
		# of Freeway Interchange Connection	Avg. Spacing Nearest Parallel Facility (Miles)	Segment Length (Miles)	Existing ADT (1,000s)
Arvada	80th/82nd Ave: SH-93 to US-287 (Federal Blvd)	0	0.9	9.5	11,000
Broomfield	160th Ave: Sheridan Pkwy to Huron St	0	1.2	1	1,200
Erie	East County Line Rd: Erie Pkwy to SH-119	0	2.5	8.5	6,000

Table 2: 2040 MVRTP Roadway Project Updates: Additions / Deletions / Modification of Description

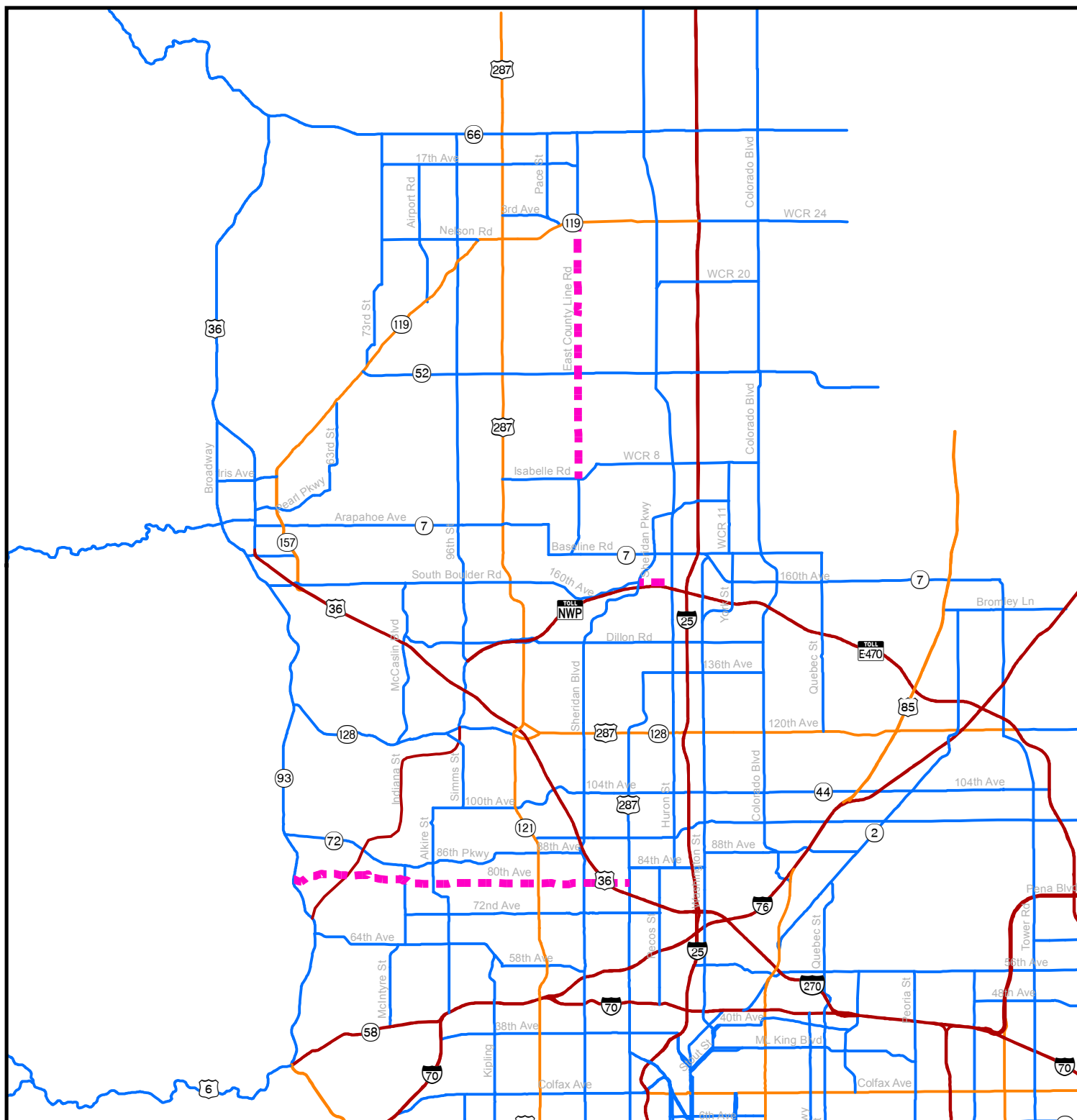
(June 14, 2013)

Sponsor	Project Description	Proposal Type	# of Lanes	
			Exist.	Vision
Arapahoe County	SH- 79: Kiowa-Bennett Road Connection/Realignment	Addition		2
	Gun Club Rd: Yale to Quincy Ave Widening	Addition	2	4
	Quincy Ave: Gun Club Rd to Monaghan Rd Widening	Addition	2	6
Arvada	Alkiro St: 82nd Ave N to 86th Ave Widening	Deletion	2	4
	Alkiro St: 82nd Ave S to 82nd Ave N., New Road, Grade Separation at UPRR	Deletion		4
	Ward Rd: 72nd Ave to 78th 86th Ave New Road/Widening	Modification		4
	Kipling Street: I-70 to 58th Ave Widening	Deletion	4	6
Broomfield County	160th Ave: Boulder/Broomfield Co. line to Lowell Blvd New Road	Deletion		4
	Interlocken Loop: 96th St. w/Northwest Pkwy to SH-128 Widening (Managed Lane)	Modification	4	6
	160th Ave: Lowell Blvd to Sheridan Pkwy Widening	Deletion	2	4
	US-287 (120th Ave.): Upham St to Sheridan Blvd, Widening	Addition	4	6
Centennial	Arapahoe Rd: Broadway to University Blvd Widening	Deletion	4	6
	Arapahoe Rd: University Blvd to Quebec St Widening	Deletion	4	6
	County Line Rd: Holly to Yosemite Widening to 6 lanes	Addition	4	6
Golden	US- 6: C-470 to SH-58 Widening	Deletion	4	6
Jefferson County	Chatfield Avenue: Wadsworth Boulevard to Platte Canyon Rd Widening	Deletion	2	4
	Ken Caryl Ave: Kipling St to Pierce Ave Widening	Deletion	4	6
	Kipling Pkwy: Geddes Ave to US-285 Widening	Deletion	4	6
Louisville	96th St: Empire Rd Lock St. (SH-42) to Pascal Dr Widening	Modification	2	4
	96th St: Northwest Parkway to Dillon Rd.	Modification	2	4
	96th St: Tape Dr to Arthur Ave Widening	Deletion	2	4
	Dillon Rd: 88th 96th St to US-287 Widening	Modification	2	4




Table 3: 2040 MVRTP Proposed Rapid Transit Additions
(June 14, 2013)

Sponsor	Rapid Transit Project Location/Description	Technology
Centennial	Arapahoe Rd: BRT and Queue Jumps/Transit Signal Priority	BRT
Arvada	Arvada Corridor (UPRR): Goldline to w/o SH-93 (city limit)	Undefined
JeffCo	Extend West LRT to 19th St	LRT
	Extend Gold Line to McIntyre Street	CRT
	Extend Wadsworth Blvd Corridor to C-470	BRT
	Change C-470 to a Tier 2 Regional Corridor from Wadsworth Blvd to Santa Fe Dr.	Undefined
Boulder County	US-287: US-36 to Longmont	BRT
	SH-7: Boulder to 162nd/SH-7 PnR (North Metro Rail)	BRT
	South Boulder Rd: Lafayette to Boulder	BRT
	City of Boulder BRT Connections: US-36 to 30th&Pearl to 14th & Walnut via Broadway	BRT
City of Boulder	Continue US-36 BRT to 30th & Pearl	BRT
	Continue US-36 BRT to 14th & Walnut via Broadway	BRT

Figure 1 - Proposed Principal Arterial Additions to the Regional Roadway System (06/14/13)



LEGEND

-  **Freeways**
 **Major Regional Arterials**
 **Principal Arterials**
 Proposed Principal Arterials



A scale bar with markings at 0, 2, and 4 miles.

This data is intended for informational purposes only. DRCOG provides this information on an "as is" basis and makes no guarantee, representation or warranty, either express or implied, that the data will be error free. DRCOG further makes no guarantees, representations or warranties, either express or implied, as to the completeness, accuracy or correctness of the data, or as to merchantability or fitness of the data for a particular use or purpose. DRCOG is not responsible to any user for any costs, expenses, liabilities or damages arising from inconsistencies in its data or from any use of the information.

Source: DRCOG
Projection: Colorado State Plane, NAD 83
P.1 06/13

Figure 2
2035 Metro Vision Regional Transportation Roadway Improvements

