

FY 2014 Unified Planning Work Program Activity October 1, 2013 through September 30, 2014 Status Report

1.1 Interregional Planning Coordination

➤ *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
 - Continued to maintain communication and exchange information
- Coordinate with other MPO's and TPR's on planning for transportation facilities and services adjacent to mutual border
 - Continued to coordinate with other MPO's and TPR's
- Work with North Front Range MPO and Upper Front Range TPR on 8-Hour Ozone Conformity activities and documents
 - Held several meetings to discuss emission calculations
- 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
 - Attended 5 CDOT TRAC meetings
 - Attended all scheduled STAC meetings
 - Participated in State Coordinating Council meetings and 2 Veterans Transportation Task Force meetings
 - Attended 5 FASTER Transit Redistribution Sub Committee meetings
 - Attended 4 Statewide Transit Plan Steering Committee meetings
 - Attended 4 Transit and Rail Advisory Committee (TRAC) meetings
 - Attended 3 Advanced Guideway System (AGS) Project Leadership Team meetings
 - Attended 4 Interregional Connectivity Study (ICS) Project Leadership Team meetings
 - Attended 1 Regional Bus Study meeting; coordinated DRCOG Transportation Advisory Committee (TAC) presentation for Interregional Express Bus (IX)
- Continue participation and involvement with the I-70 Coalition, as needed
 - Monitored I-70 Coalition agendas
 - Attended and monitored meetings for I-70 Traffic and Revenue Study
- Maintain communication and exchange information with the consultants and participants on various corridor studies that cross DRCOG's boundaries

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- Maintained communication with consultants and participants on US-85 PEL and I-70 Mountain Corridor
- Attended and monitored meetings for I-70 Traffic and Revenue Study
- Attend the statewide MPO meetings
 - Attended 10 statewide MPO meetings

1.2 Maintaining the Urban Transportation Planning Process

➤ *Ongoing*

- Participate in the DRCOG-held Regional Transportation Committee, Transportation Advisory Committee, Metro Vision Planning Advisory Committee, and other appropriate committees and working groups
 - Held 6 Regional Transportation Committee (RTC) meetings, 10 Transportation Advisory Committee (TAC) meetings, 11 Metro Vision Issues Committee (MVIC) meetings, 6 Agency Coordination Team (ACT) meetings, and 6 (air quality) Interagency Coordination Group (ICG) meetings
 - Prepared 80+ agenda memos and associated attachments
- Participate in technical or advocacy groups and/or meetings with planning partners
 - Attended RTD Central Rail Extension public meeting and suggested potential alternative alignments
 - Made presentation to the C-470 Coalition regarding results of model sensitivity analyses conducted for our Price Sensitivity study (consultants funded by Congestion Evaluation Tool). Regular attendance at technical and policy committees of the C-470 Coalition
- Manage and administer the transportation planning process, including the FY2014-2015 Unified Planning Work Program
 - Continued to manage and administer the transportation planning process
- 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
 - Completed and distributed end-of-year report
- Prepare and review FY2014 UPWP mid-year report
 - Completed and distributed mid-year report

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2.1 Conduct the DRCOG Public Participation Process

➤ *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
 - Maintained public involvement track sheet (2005 to present)
- Inform the public of adopted documents, program amendments, and opportunities to offer comments via DRCOG's website
 - Continued to inform the public of adopted documents, program amendments, etc.
- Give presentations to community, advocacy, and other interest groups, as requested
 - Presented Metro Vision 2040 and the Regional Equity Atlas to the Transit Alliance Citizens' Academies in Spring and Fall 2014
 - Provided Metro Vision/DRCOG to participants in the Osher Lifelong Learning Institute (University of Denver)
 - Presented Fiscally Constrained 2040 RTP to Adams County Economic Development Transportation Taskforce
- Create and maintain various Web pages
 - Created and maintained various web pages for new DRCOG web site including:
 - Regional Planning [see <https://drcog.org/programs/regional-planning>]
 - Transportation Planning [see <https://drcog.org/programs/transportation-planning>]
 - Created web-based RTP projects map [see <http://gis.drcog.org/rtpprojectsmap/>]
 - Developed a new website designed to allow a convenient and secured exchange of data with member governments
- Research, develop, and manage interactive internet-based technologies to support the public participation process
 - Continued to research, develop, and manage interactive internet-based technologies including MindMixer
- Continue to research alternative methods for the delivery of plan content to maximize the reach and accessibility of such materials
 - Continued to research alternative methods for the delivery of plan content
 - Discussed issues and Metro Vision 2040 delivery with the Citizens Advisory Committee (CAC) and stakeholder groups in the East, Gold, and Northwest corridors
- Engage the Citizens Advisory Committee (CAC) to ensure issues and potential impacts are considered throughout the Metro Vision update
 - The CAC held six meetings and discussed a broad range of topics including community health and wellness, transportation, housing, economic vitality and older adults

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➤ 2014

- Prepare and conduct short courses on Metro Vision and transportation planning process
 - No short courses were held during FY14
- 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)
 - Held 2013 Cycle 2 Plan amendment public hearing in April 2014
- 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
 - Continued to share results of the Listening Tour in stakeholder engagement activities

2.2 RTD and CDOT Local Government Planning Process

➤ Ongoing

- Gather input from local government representatives for RTD's Strategic Business Plan (SBP) capital projects and annual service plan changes
 - Continued to gather input from local government representatives for RTD's SBP
 - Local government planning meetings held October 10, 2013 and May 29 and July 4, 2014
- Conduct coordinated public involvement efforts associated with CDOT and RTD products such as the STIP, environmental studies, and other planning activities
 - Public postings and comment periods held for STIP and TIP amendments for CDOT and RTD projects
 - Continued to conduct coordinated public involvement efforts including:
 - Northwest Area Mobility Study (NAMS) (June 2014)
 - Fare Study Analysis. (Phase I projected to be completed 1st Quarter 2015)
 - Strategic Plan (projected adoption 3rd Quarter 2015)

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3.1 Administer the Metro Vision Assessment Process

➤ Ongoing

- Assist member governments to incorporate DRCOG's Metro Vision policy elements into their local planning process
 - Worked with numerous communities to identify programs and policies they can explore to create mobility-related, more age-friendly communities (DRCOG's Boomer Bond Program)
 - Developed assessment tool that supports local exploration of current age-friendly initiatives and potential future actions [see https://drcog.org/sites/drcog/files/resources/Boomer%20Bond%20Assessment%20Tool_June%202014a.pdf]
- Update the Growth and Development Supplement, as needed
 - Amended the Rural Town Centers Designation Process and Criteria in the Metro Vision Growth and Development Supplement (May 21, 2014)

➤ 2014

- Conduct Assessment and Amendment process for 2035 Plans:
 - Complete second cycle 2013
 - Completed the 2013 cycle 2 plan assessment process; held public hearing April 2014
 - If needed, complete first cycle 2014
 - There was no amendment process in 2014 due to ongoing development of Metro Vision 2040 and Metro Vision 2040 RTP

3.2 Refine Metro Vision's Growth and Development Elements

➤ Ongoing

- Convene the Metro Vision Planning Advisory Committee, stakeholders, and related working groups to discuss potential policy updates, as needed
 - MVPAC met monthly throughout the fiscal year. They will complete their work at the end of 2014
- Coordinate with member governments on member-sponsored amendments (e.g., new urban centers, other policy amendments, etc.)
 - Proposed amendments during the 2013 Cycle 2 plan assessment process included revisions to urban centers and changes to the Rural Town Centers Designation Process and Criteria in the Metro Vision Growth and Development Supplement
- Continue research and development work supporting the monitoring and evaluation of the goals and policies of Metro Vision

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- Regional Snapshot outlining progress on existing goals provided to the DRCOG Board (June 2014) [see http://drcog.org/sites/drcog/files/resources/Regional%20Snapshot%20-%20Metro%20Vision%202035%20Goals_0.pdf]
- Maintain Urban Growth Area/Boundary (UGB/A) status for area jurisdictions
- Administer emergency requests for new UGB/A, as needed
 - DRCOG did not receive any emergency requests during the fiscal year.

3.3 Metro Vision Regional Transportation Plan

➤ 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
 - Reviewed documents and attended several PEL/EA study meetings, particularly for C-470, US-85 North, and I-70 Mountain Corridor T&R, I-70 East EIS
 - Provided data files and technical support for various PEL and other studies, as needed
- Participate and conduct analyses on efforts to evaluate environmental sustainability policy issues
 - Coordinated with CDOT staff to identify several corridors/projects for CDOT-led environmental assessment using its PIN tool in coordination with resource agencies; reviewed comments from resource agencies
- 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
 - Researched data collection techniques to support development and update of commercial vehicle models; RFP issued in September. A firm was selected by all the front range MPO partners
 - Evaluated and updated data for truck share of VMT on roadways
- Incorporate actions or products that respond to state or federal transportation legislation guidance on regional transportation plans (e.g., MAP-21)
 - Collaborated with RTD and CDOT to review and jointly submit (DRCOG and RTD) comments on FHWA-FTA NPRM for proposed MAP-21 performance-based planning rule and other accompanying proposed planning rules
 - Completed draft documents for the 2040 Metro Vision Plan and 2040 RTP that considered MAP-21 draft planning rules
- Monitor state and/or regional efforts to increase funding for transportation and assist as necessary

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- Monitored the activities of the Metro Mayors Caucus and discussion of MPACT64

➤ 2014 and 2015

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

3.4 Air Quality Conformity

➤ 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
 - Attended AQCC meetings
- Monitor the readings and trends of criteria pollutants in relation to established attainment standards
 - Monitored the 8-hour ozone readings and trends during the ozone season
 - Monitored the PM_{2.5} readings and trends
- Monitor federal legislation regarding new standards, requirements, or procedures. Assist air quality agencies (APCD, RAQC), as needed
 - Closely monitored federal rules and programs, including:
 - The implementation of the 2008 ozone standard (0.075ppm)
 - MOVES2014
 - EPA's official approval of Regulation 10
 - CAFÉ 2025 Standard
 - Tier 3 motor vehicle emission and fuel standards
 - Assisted APCD with Fleet Mix correction and update
 - Assisted APCD with implementation of MOVES2014

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
 - Initiated work to update the MOA, including a kick-off meeting with staff of APCD and the NFR MPO
- Continue with activities associated with the Regional Haze SIP

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- No activity this period

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
 - Conducted highway and transit network review and editing for Cycle 2, 2013 and the new 2040 MVRTP forecasts
 - Continued communication with RTD regarding updates to transit networks addressing FasTracks changes
- Prepare air quality conformity findings (DRCOG) and assess findings (APCD and AQCC) associated with amendments of the 2035 MVRTP.
 - Completed 2013 Cycle 2 conformity determination
- Collect new PM10 reduction commitments from local governments and road agencies for the 2040 MVRTP
 - Collected PM10 reduction commitment letters from 40 local governments and road agencies

3.5 Pedestrian and Bicycle Element Planning

➤ Ongoing

- Respond to questions and requests for assistance regarding local pedestrian and bicycle planning topics
 - Responded to questions and interacted with CDOT, various jurisdictions, nonprofits, and consultants within DRCOG
 - Responded to inquiries from areas outside of DRCOG about our practices
 - Held Regional Bicycle Summit in May 2014
- Monitor progress on TIP-funded and other bicycle and pedestrian projects
 - Conducted counts on TIP funded bicycle and pedestrian facilities
 - Solicited the status and counts in the previous and current TIP cycles
- Maintain facility inventory and mapping products for bicycle facilities in the Denver region. Monitor new sources, methodologies, and applications for providing information
 - Conducting internal discussions about best practices and next steps for mapping
- Monitor, evaluate procedures, and compile bicycle use counts conducted by CDOT and local governments across the region

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- Submitted an initial request to TIP recipients inquiring about counts conducted on DRCOG-funded facilities
- Participate in CDOT's annual Safe Routes to School program development and project selection process, as requested
 - No participation 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)
 - Evolved into a larger RPO planning effort to purchase planimetric data which will include, but not be limited to sidewalks. DRCOG is working on the IGA with CDOT. Project will begin in January 2015
 - Summarized Focus model outputs to identify short trips in vicinity of proposed improvements to assess their effectiveness

➤ 2014

- Complete comparative summary analysis of recently completed TIP bicycle and pedestrian projects – benefits, user counts, comparison to predictions, etc.
 - Completed user counts in spring/summer/fall 2014
- 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
 - Assisted with the bike/ped evaluation criteria and eligibility provisions
 - Conducting bike/ped project application review and applying corrections, as needed
- Begin preparation of the Pedestrian Element of the 2040 MVRTP
 - Initiated
- 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
 - Initiated
- Monitor efforts by RTD and local governments on pedestrian and bicycling access to transit stations. Determine applicable role for DRCOG or products to produce.
 - Consultant-led project in progress

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3.6 Regional Transit Planning

➤ *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
 - Participated in 9 DRMAC membership meetings
 - Continued to serve as member of the DRMAC Board (ex-officio) and attended 12 Board meetings
 - Participated in the interviews and hiring process for the new Executive Director
 - Participated in DRMAC committees
 - Nominating Committee (co-chair); attended 1 meeting; recruited new CDOT ex-officio Board Member
 - Transportation Coordination Systems (TCS) Steering Committee (co-chair); attended 4 meetings
 - Engaged in strategic planning with DRMAC – participated in 5 meetings
- 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
 - Participated with AAA staff at TCS Steering Committee Meetings; provided project updates to AAA staff. Facilitated meeting between new DRMAC Executive Director and AAA Director and DRCOG Executive Director
 - Began work to implement a trip exchange program to better coordinate specialized transportation region-wide
- Monitor, participate, and/or assist with local and regional transit planning activities and studies
 - Provided technical assistance to RTD regarding socioeconomic forecasts and urban center assumptions for the Southeast Corridor Extension New Starts submission
 - Provided technical assistance to RTD with installation of the Focus model on their server
 - Participated in 4 State Coordinating Council meetings and 4 Veterans Transportation Task Force meetings
 - Attended 5 FASTER Transit Redistribution Sub Committee meetings
 - Attended 4 Statewide Transit Plan Steering Committee meetings
 - Attended 4 Transit and Rail Advisory Committee (TRAC) meetings
 - Attended 3 Advanced Guideway System (AGS) Project Leadership Team meetings
 - Attended 4 Interregional Connectivity Study (ICS) Project Leadership Team meetings
 - Attended 1 Regional Bus Study meeting; coordinated DRCOG Transportation Advisory Committee (TAC) presentation for Interregional Express Bus (IX)
 - Served on Technical Advisory Committee for RTD's Northwest Area Mobility Study; attended 4 meetings
 - Participated in 2 Colfax Transit Priority Study meetings

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- Coordinate with RTD on the progress, status, and performance of DRCOG-selected FTA grant-funded specialized transit projects
 - Conducted analysis and led coordination with RTD and CDOT to address FY 2013 funding and designated recipient transition issues for 5319/5317/5307/5310 grants
 - Coordinated with RTD, CDOT, and FTA, at RTD's asking, to request CDOT become FTA 5310 Designated Recipient for the Denver-Aurora Urbanized Area per MPO role in MAP-21. The Governor designated CDOT for this role.
 - Coordinated with RTD, CDOT, and sub recipients (Douglas County, DRMAC, and Seniors Resource Center) on the transition of FTA grant funds
 - Assisted CDOT and RTD with transitioning DRCOG-selected FY 2014-2015 5310 grants; provided financial analysis and other helpful information. Reviewed proposed FTA Circulars for new MAP-21 regulations, including 5310 and State of Good Repair
 - Provided information and documentation about Coordinated Public Transit Human Services Transportation Plan and FTA 5310, JARC, and New Freedom awards for Denver-Aurora Urbanized Area to RTD for their FTA Triennial Review
- 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
 - Worked with subject matter experts to develop measures that will be used in three types of criteria for selecting new bus transit projects and new transit facilities projects. The new criteria were approved by the Metro Vision Issues Committee (MVIC) in March 2014
 - Helped with calculation of indicator units and scoring for TIP transit project applications
- Begin preparation of the Transit Element section of the 2040 MVRTP
 - Partnered with DRMAC staff to plan, schedule, and facilitate a transit forum for the public to provide input for the 2040 RTP
 - Partnered with CDOT to organize and convene Denver region joint open house for Statewide Transit Plan. Presented background about the regional transportation plan and how it fits in with the state plan

3.7 Oversight of RTD System Planning Process

➤ Ongoing

- Continuing oversight of system planning process

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3.8 Addressing Transportation Safety Issues

➤ *Ongoing*

- Geocode crashes in the Denver region that are off the state highway system, as data is made available
 - Completed checks and verification of 2006-2008 crash data
 - Completed geocoding 2009-2011 crash data and sent to CDOT for final verification; initiated 2012 geocoding
- Participate with CDOT on the update to the Strategic Plan for Improving Roadway Safety and the Colorado Strategic Highway Safety Plan
 - Participated on 4 steering group and 2 data area emphasis team meetings
- Update road segment and intersection crash rate database, preparing analyses of results, as needed
 - Will initiate when crash data verification through 2012 is complete
- 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 MVRTP
 - Safety data criteria was used for roadway and bicycle/pedestrian project evaluation for the 2016-2021 TIP applications
 - Safety data was used for evaluating roadway capacity projects for inclusion in the 2040 RTP

3.9 Participate in Transportation Security Planning

➤ *Ongoing*

- Monitor and respond to federal rulemaking and guidance documents
 - Continued to monitor and respond to federal rulemaking and guidance documents
- Participate on federal and state agency committees dealing with security and transportation, as requested
 - Invited to make presentation at North Central Region Board meeting
 - Attended six North Central Region Board meetings
 - Attended annual North Central Region Training and Exercise Planning Workshop
 - Attended three meetings of the North Central Regional Critical Transportation Committee (evacuation planning)
- Liaise with the Governor's Office of Homeland Security (GOHS)
 - Continued to liaise with the GOHS as part of North Central Region Board meetings

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- 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
 - Ongoing coordination with CDOT Transportation Systems Management & Operations Division (TSM&O) and regional partners to promote traffic incident management coordination
 - ITS Pool programming has funded a CDOT-led project to establish a transportation data warehouse

3.10 System Preservation

➤ Ongoing

- Monitor and compile CDOT and RTD data related to pavement, bridge, transit fleet, facility condition, and other as appropriate
 - Collected additional CDOT data based on CDOT's Drivability Life (DL) System
 - Combined all data into an estimated long-range maintenance funding level for the 2040 RTP
- Investigate future potential coordination activities, including monitoring, collecting, and reporting with other planning partners
 - Continued to investigate future potential coordination activities with planning partners

➤ 2014

- Determine specific activities to be conducted, based on future guidance from CDOT and FHWA
 - No activities were conducted in FY14

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4.1 DRCOG Congestion Management Process

➤ *Ongoing*

- Update the Congestion Mitigation Program (CMP) databases annually
 - *Ongoing*
- Update formulas and factors for delay calculations, as needed
 - *Ongoing*
- 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
 - *Near completion on a report regarding VMT growth in the DRCOG region*
 - *Ongoing*
- Monitor federal (MAP-21) and statewide congestion measures, methodologies, and analytical tools
 - *Ongoing*
- Continue partnership with CDOT on operational evaluations of key bottleneck locations
 - *Currently on hold*
- Monitor results of capacity improvements at key congested locations
 - *Will begin later in year*
- Monitor research on impacts and benefits of tolling and pricing mechanisms
 - *Conducted research on impacts and benefits of tolling*

➤ *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
 - *Successfully executed a DynusT run attempting to replicate University of Arizona results. Unexpected results were obtained. Based on anticipated refinements, required maintenance and agency needs, further development of the DynusT model was halted*
- Prepare 2013 Annual Report of Traffic Congestion in the Denver Region
 - *Prepared a report on VMT in the DRCOG region. A full Annual Report on Traffic Congestion will be completed in 2015*

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4.2 Regional Transportation Operations

➤ *Ongoing*

- Conduct periodic stakeholder meetings to maintain dialogue necessary to implement the Regional Concept of Transportation Operations and assist with project implementation
 - Conducted 6 meetings of the Regional Transportation Operations Working Group
- Monitor ITS deployment to ensure compliance with 23 CFR Part 940 and maintain systems engineering analysis project documentation submitted by stakeholders
 - Continued to monitor ITS deployment
- Maintain the DRCOG Turbo Architecture database and companion document
 - Collaborating with the Regional Transportation Operations Working Group in updating Regional ITS Architecture
- Assist with the maintenance of the CDOT ITS Systems Engineering Analysis Guidelines
 - Coordinated with CDOT (3 meetings) as they integrate the Systems Engineering Analysis into project approval process agency-wide
 - Continue to monitor CDOT's deployment of operations clearance process, which includes Systems Engineering Analysis
- Assist CDOT and FHWA with development and implementation of a statewide transportation operations plan
 - CDOT didn't involve DRCOG in the development of the 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
 - Regional DynusT dynamic traffic assignment model has been archived, but still available if requested by partner agencies and their consultants. Active model development has been halted
- Maintain and update Regional Transportation Operations and other applicable DRCOG web site pages
 - Created the ITS, Traffic Operations Program, and Regional Concept of Transportation Operations web pages for new DRCOG web site [see <https://drcog.org/node/179>, <https://drcog.org/programs/transportation-planning/planning-products-and-activities/traffic-operations-program>, and <https://drcog.org/programs/transportation-planning/planning-products-and-activities/regional-concept-transportation>]
- Assist in the establishment of interjurisdictional and interagency data sharing and performance measure procedures and agreements

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- Reinitiated the stakeholder group discussing the Denver Metro-wide Ethernet Ring
- Conducted several one-on-one meetings with stakeholders
- ITS Pool programming has funded a CDOT-led project to establish a transportation data warehouse
- DRCOG and CDOT collaborated to develop the concept of operations to describe interagency coordination

➤ 2014

- Develop concept of operations for regional data collection, management, and data sharing
 - Ongoing, as part of the effort with the Denver Metro-wide Ethernet Ring stakeholders
 - ITS Pool programming has funded a CDOT-led project to establish a transportation data warehouse
 - DRCOG and CDOT collaborated to develop the concept of operations to describe interagency coordination
- Develop regional incident management process
 - ITS Pool programming has funded a CDOT-led project to develop the regional incident management process
- Assist in 2040 MVRTTP development, contributing to transportation management and operations elements
 - Reviewed draft operational measures for the 2040 MVRTTP

4.3 Regional TDM Planning

➤ Ongoing

- Monitor progress and results of projects funded through the TIP Regional TDM Pool, including activities of the Regional TDM Program
 - Continued to monitor progress and results of projects funded through the TDM Pool
 - Initiated training for recipients of CMAQ funds for TDM
- Monitor new types of TDM activities and techniques and incorporate into the TDM Strategic Plan, as necessary
 - Continued to monitor new types of TDM activities and techniques
- Monitor and assist with “last-mile” studies and analyses associated with various transit stations
 - No assistance was required. Staff reviewed various studies

➤ 2014

- Prepare applicable draft TDM section of the CMAQ performance plan associated with the new 2016-2021 TIP
 - Potential still exists to prepare applicable TDM section associated with new TIP

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- Prepare work plan for the conduct and establishment of routinized annual surveys of travel mode share and vehicle occupancy
 - Work plan was not initiated
- Begin preparation of the TDM Element section of the 2040 MVRTP
 - Began preparation of the TDM Element section

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5.1 Transportation Improvement Program

➤ *Ongoing*

- Conduct appropriate project programming activities when additional revenues are made available or resources are decreased
 - Existing non-committed funds will be added to FY2016 and be included within the new FY2016-2021 TIP currently under development
- 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
 - Processed ten administrative modifications and four policy amendments
- 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*
 - Facilitated ten MVIC policy decision meetings since October 2013; Prepared numerous agenda memos
 - Worked with TAC and two technical workgroups on transit and bike/pedestrian benefits criteria
 - Adopted FY16-21 TIP Policy in July 2014 [see http://drcog.org/sites/drcog/files/resources/Adopted%202016-2021%20TIP%20Policy%20-%20Final_4.pdf]
- Prepare and issue a call for projects
 - Worked with a consultant to develop and open the TIP Call for Projects from late July to late September via a web-based application
- Prepare annual projects delayed report for FY2013
 - Met with several project sponsors to discuss their delayed projects
 - Adopted in December 2013
- Prepare annual list of obligated projects for FY2013
 - Published in February 2014 [see <https://drcog.org/sites/drcog/files/resources/Final%20FY2013%20Annual%20Listing%20of%20Federally%20Obligated%20Projects.pdf>]
- Prepare annual CMAQ benefits evaluations for FY2013

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5.2 RTD Strategic Business Plan

➤ 2014

- Prepare the 2014-2019 Strategic Business Plan for input into the Transportation Improvement Plan
 - 2015-2020 Strategic Business Plan (SBP) adopted by Board on July 2, 2014 [see attached]

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

➤ Ongoing

- Prepare quarterly park-n-Ride[®] use reports
 - Prepared 3rd and 4th Quarter reports for 2013 and 1st, 2nd, and 3rd Quarter reports for 2014 [see attached]
- Prepare biannual park-n-Ride[®] user distribution geocoding and mapping
 - Completed 2012 report
 - Conducted 2013 survey and completed 2013 report [see attached]
- Participate in local jurisdiction land-use planning processes for station areas
 - Worked on the following station area plans:
 - North Metro: 72nd; 144th Master Plan
 - 72nd completed; 144th contract cancelled
 - Southwest: Englewood/Oxford/Bates; Downtown Littleton
 - Englewood completed; Downtown Littleton – study shifting to FY15
 - Northwest: Downtown Louisville
 - Completed
 - SE: Urban Corridor Study
 - Ongoing
- Pursue joint development at RTD transit stations where practical and consistent with local government land use plans and state law governing eminent domain and RTD operations
 - Joint development included:
 - City of Boulder on Boulder Junction
 - Boulder Junction Hotel to open in January 2015; housing in April 2015, bus facility May 2015
 - Denver: DUS Renovation; Welton St. Redevelopment; Alameda Station
 - DUS Renovation completed July 2014;
 - Welton Street Properties: one under option, other property still on market;
 - Alameda residential building scheduled completion late 2015
 - Arvada: Olde Town
 - Starting construction November 2014
 - Westminster: NWRail Westminster Station

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- Finalizing Parking Structure IGA
- Refine RTD design guidelines to reflect TOD policy goals
 - Completed RTD design guidelines [see *attached*]
- Benchmark TOD activity in annual status report and FasTracks Quality of Life study
 - 2012 FasTracks Quality Life High Level Measures Report [see http://www.rtd-fastracks.com/media/uploads/main/RTD2012QoLFINAL_Low.pdf]
 - 2013/2014 Report to the Region now available [see http://www.rtd-denver.com/PDF_Files/Report_to_Region2013_2014.pdf]
- Provide ongoing TOD education and outreach
 - Continued to provide TOD education/outreach
- Complete Annual TOD Status Report
 - 2013 Report
[see: http://www.rtd-denver.com/PDF_Files/RTD_TOD_Status_Report_2013.pdf]

5.4 Metro Vision Implementation Program

➤ 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
 - Assisted numerous communities with understanding the implications of an aging population, including presentations and collaborating on local assessment efforts
 - Hosted four Metro Vision Idea Exchanges (infill development, community health and wellness, urban center development in suburban locations and local data impacting regional decision-making)
- Sponsor events, organize workshops, and support workshops organized by other entities that support Metro Vision goals
 - Continued to sponsor regional workshops and trainings when appropriate, including the Transit Alliance
 - Continue to serve on the Mile High Connects Housing and other Metro Vision related Committees
 - Served on the City of Denver TOD Committee
- Review and comment on proposed amendments to local comprehensive plans to assess consistency with Metro Vision, as requested
 - DRCOG did not process any plan referrals.
 - The existing plan referral process/checklist is currently being reviewed. It will be updated after the adoption of Metro Vision 2040.

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- 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.
 - DRCOG coordinated a visit to the Denver region by the National Policy Council of AARP. The site visit highlighted local and regional successes in providing housing options for older adults, including a tour of several public and private projects around the region.
 - Created and currently maintaining new area of agency website devoted highlighting local successes [see <https://drcog.org/planning-great-region/implementing-metro-vision/community-highlights>]
 - Developed interim toolkit of best practices in creating age-friendly environments
- Participate and monitor project development efforts
- Identify key barriers to Metro Vision implementation and investigate potential solutions
 - Conducted a series of surveys and interviews with local governments to identify local challenges and barriers to local and regional plan implementation
- Provide support with DOLA on education for area planning commissioners
 - The Planning Commissioner Workshop scheduled for September 2014 was postponed.
- 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
 - As part of the Metro Vision 2040 process, DRCOG developed an Infill Redevelopment Issue Paper. Research for the paper included interviews with developers from around the region.
- Work with area jurisdictions on last mile transportation planning solutions
 - DRCOG coordinated closely with several partners, including Mile High Connects, to host a forum on last mile issues (November 2013).
- 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.)
 - This effort is ongoing – key deliverables from the SCI project will be complete by Dec. 31, 2014.
- Urban Centers/Station Area Master Plan DRCOG-provided services

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- Continued to serve on technical and advisory committees, when asked by sponsoring jurisdictions
- DRCOG also provides requested data for station area master planning efforts.
- Coordination with local sponsors and RTD on contracting for new studies

➤ 2014

- Establish and manage a Metro Vision Implementation Steering Group
 - Delivered final briefing to the DRCOG Board in March 2013
 - The Steering Group is no longer meeting.
- 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
 - The Steering Committee completed work on their three outlined topics, approved by the DRCOG Board. The three topics included:
 - **Construction defects legislation** – looked at the construction defects issue and concluded that without a robust, condominium market, Metro Vision urban center goals will be difficult to achieve [see *The Regional Housing Diversity Study* <https://drcog.org/sites/drcog/files/resources/Regional%20Housing%20Diversity%20Study.pdf>]
 - **Coordination of land use and economic development** – looked at inconsistencies between jurisdictions in zoning regulations and economic development efforts. Issue is being explored as part of Metro Vision 2040 efforts, including specific work to better understand if there is a role for DRCOG to play in regional economic development
 - **Transportation station access issues** – looked particularly at first and last mile challenges. It is being addressed in many ways, including all four transit corridors that are part of the Sustainable Communities Initiative
- Initiate the update of the regional TOD study
 - DRCOG will initiate the Who is TOD study in FY15
- Complete work on the Boomer Bond tool kit of best practice policies and strategies for jurisdictions
 - Information for the toolkit of best practices was gathered and DRCOG is currently developing an interim online resource directory. The resource directory will continue to grow as new policies, programs, and tools are added

5.5 Performance Measure Reporting

➤ Ongoing

- Compile data associated with various regional performance measures
 - Continued monitoring and tabulating census, model, and traffic count (VMT) data

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- Work continued on the DRCOG Balanced Scorecard Effort. This work will drive the development of key metrics, consistent with the work outlined in Metro Vision
- Monitor MAP-21 rulemaking and CDOT actions related to measures and targets
 - Monitored MAP-21 (e.g. safety guidance)
 - Reviewed and commented on Proposed MAP-21 Planning Rules
- Develop and distribute information products that support the monitoring and evaluation of Metro Vision goals and policies
 - Presented information to DRCOG Board and committees related to latest results of goal measures

➤ 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](#))
 - Initiated defining specific performance measures

5.6 Annual FasTracks Assessment

➤ 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)
 - The DRCOG Board adopted a resolution in September 2013 modifying the FasTracks Annual Review Process. It requires RTD to submit change reports whenever it proposes a change from the most recent DRCOG approved FasTracks Plan in lieu of submitting an Annual Report. This resolution also requires a new baseline report due to DRCOG August 1, 2014
 - RTD submitted their first “Change Reports” (North Metro Commuter Rail Line staging change and I-225 LRT Montview Station relocation) in November 2013. DRCOG staff reviewed the reports and the DRCOG board approved the reports in December 2013
 - RTD submitted the *2014 FasTracks Baseline Report* in August 2014 per DRCOG Board resolution. This report is scheduled as an agenda item for the DRCOG Board and Regional Transportation Committee (RTC) in November. It was recommended for Board and RTC approval by the Transportation Advisory Committee (TAC) in September
 - Attended several RTD Board and FasTracks Monitoring Committee meetings regarding FasTracks and other regional transit matters

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5.7 FasTracks Program Management and Planning Assistance

➤ *Ongoing*

- Annual Program Evaluation of the FasTracks program, including revised capital costs, schedule, and preparation of program management plans for FasTracks corridors
 - Completed APE 1st Quarter of 2014
- Preparation of the annual FasTracks assessment document for DRCOG
 - Submitted to DRCOG in August 2014
- Other assorted engineering, planning, and environmental activities for FasTracks
 - Monitored progress

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

➤ *Ongoing*

- Maintain and monitor all tasks and activities related to the completion of the 2040 Plans
- Facilitate technical committees and other related meetings
 - Held MVPAC and CAC meetings
 - Incorporated information gathered in other SCI committee meetings, where applicable.
 - Prepared numerous agenda memos
- Convene workgroups to address specific policy issues, as needed
 - Convened several working groups (Infill Development, Health and Wellness, Edge Development, etc)
 - The DRCOG Board approved two key steering committees to review draft recommendations on housing and economic development for Metro Vision 2040, to meet in the Fall of 2014
- Identify overarching plan implementation guidance and strategies
 - DRCOG began the effort to develop plan strategies during the performance period. Metro Vision 2040 is currently scheduled to be adopted by the DRCOG Board of Directors in June 2015

➤ *2014*

- Continue public engagement and outreach efforts
 - DRCOG initiated significant outreach efforts in support of Metro Vision 2040 development (focused conversations with stakeholders, technical committees, online engagement tools, speaking engagements, etc.)
- Complete Metro Vision 2040 scenario analysis activities and reports
 - DRCOG completed analysis on five land use and transportation scenarios. Scenario results were provided to the Board of Directors in December 2013
- Assist DRCOG Board as needed to develop policies for Metro Vision 2040
 - The Board will begin to review policies recommended by technical committees in January 2015. During the reporting period the Board and MVIC (policy subcommittee) of the Board were briefed on stakeholder and public input
 - The Board formed ad hoc committees to recommend policies related to housing and economic vitality – the committees met for the first time during the reporting period
- Complete final small area socioeconomic forecast allocations at the transportation analysis zone (TAZ) level
 - Small area forecast is complete – final allocations were informed by outreach to local governments from around the region

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- Develop curriculum for Metro Vision 2040 Citizens Academy
 - Concluded Metro Vision 2040 Citizens Academy on October 23, 2013
- Integrate SCI-funded regional activities (housing, economic development, Regional Equity Atlas, and Boomer Bond) into Metro Vision 2040 process
 - DRCOG continues to integrate SCI-funded activities into Metro Vision 2040 where appropriate. The schedule for Metro Vision 2040 was extended to ensure all SCI activities can be considered in the plan update
 - SCI-funded Regional Housing Strategy and Regional Economic Strategy are key inputs into the Metro Vision 2040 plan
- Review capability of modeling local fiscal impacts of growth
 - Urban Sim land use model, implemented in August 2014, includes economic data for land use scenario analysis. This data will input to the FOCUS travel model
- Incorporate analytic and output enhancements to the Focus travel demand model supporting the development of the 2040 Plans
 - Added capability to calculate transit person-hours of delay at the request of an MVPAC member
 - Added capability to calculate highway person-miles of travel upon request of CDOT Region 1 for average vehicle occupancies in the T-REX (I-25 and I-225) Corridor
 - Added capabilities to assist in preparation and checking of model inputs
 - In conjunction with the transition to UrbanSim, reviewed and simplified input files, standardized names of input stored procedures, and optimized auxiliary calculations
 - Created a GitHub repository for SQL Server related code elements of Focus
 - Produced additional summaries of the FRTC household survey for use in setting calibration targets and recalibrated Focus model
- Complete the draft Metro Vision 2040 document(s) to go for public review in late 2014
 - The schedule for Metro Vision 2040 has been extended – draft documents for public review will be available in April 2015
- Complete the development of the Urban Sim Land Use Model and initiate its use for the 2040 MVRTP air quality conformity modeling work
 - Model was successfully calibrated and used for conformity model runs with the FOCUS travel model in summer 2014
 - Expanded zonal data spreadsheet to simplify conversion of UrbanSim land use data to SQL Server and TransCAD formats
 - Adopted UrbanSim forecasts in development of 2040 RTP

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

➤ *Ongoing*

- Monitor state and federal factors that will impact the 2040 MVRTP
 - Monitored MAP-21 guidance and planning emphasis areas
 - Attended and monitored State Transportation Commission meetings
- Work in conjunction with CDOT on linkage to the Statewide 2040 Transportation Plan
 - Worked with CDOT on environmental consultation, revenue estimates, etc. to be consistent with the draft Statewide 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
 - Completed a major regional scenario analysis effort
 - Defined and analyzed five conceptual regional scenarios addressing transportation, land use, costs, and several other factors
 - Compared scenarios to 2040 Base using multiple transportation/mobility, geographic, environmental justice, air quality, and other performance metrics
 - Presented to numerous DRCOG committees and Board
 - Continued to update, refine, and apply performance measures for 2040 RTP
 - Obtained Board and committees approval for updated project scoring evaluation criteria for regionally significant candidate roadway capacity projects
- Finalize revenue estimates for 2040 MVRTP funding categories and incorporate CDOT program distribution results
 - Continued to coordinate closely with CDOT to fully incorporate final program distribution results into 2040 RTP revenue estimates
- Identify the “vision” transportation system and services
 - Finalizing vision updates for 2040 RTP based on coordination with local governments in 2013 and subsequent project funding decisions made by Board and CDOT (for regionally funded projects) and local governments (for locally-derived funded projects)
 - DRCOG solicited vision project changes and proposed Regional Roadway System changes in 2013
- Complete evaluation of proposed roadway capacity and rapid transit improvements for inclusion in the FC-2040 RTP

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- Convened a work group to assist in updating the project scoring evaluation criteria for regionally significant candidate roadway capacity projects (noted above)
- Solicited a limited number of candidate roadway capacity projects for scoring evaluation from local governments, CDOT, and RTD
- Worked closely with CDOT to identify project changes (priority, cost, staging, etc.) for CDOT-sponsored capacity projects
 - Evaluated and scored ~45 candidate roadway/interchange capacity projects desiring regional funding for the 2040 RTP
 - Obtained Board and committee approval on 2040 RTP fiscally constrained roadway capacity and rapid transit staging networks for air quality conformity modeling
- Consider optional financial scenarios (e.g., ballot measure to increase funding)
 - No longer applicable since MPACT64 was not placed on the ballot
- Conduct transportation and air quality modeling and incorporate results into the draft 2040 MVRTP
 - Continued to conduct transportation and air quality modeling for 2040 RTP staging networks (2015, 2025, 2035, and 2040)
- Compile 2040 plan elements completed under other UPWP activities into the final 2040 MVRTP documents
 - Continued to compile 2040 plan elements completed under other UPWP activities into the draft 2040 RTP, to be completed in Fall 2014 and approved by the DRCOG Board in early 2015

6.3 Metro Vision 2040 Outreach and Public Participation

➤ *Ongoing*

- Use interactive internet-based technologies, web pages, and other communication strategies to support public participation process, as appropriate
 - DRCOG OUR Shared Vision newsletter continued to be a primary tool for engaging the public on a variety of issues
 - In addition, the tool Mind Mixer was used to outreach to the public to garner digital feedback from the public on Metro Vision topics. [see <https://drcog.mindmixer.com>]
- Seek public involvement in visioning and the refinement of policies and strategies for MV 2040
 - Held monthly meetings of the Metro Vision Planning Advisory Committee (MVPAC)
- Monitor and compile results and information obtained through public participation activities

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- Reviewed request by City of Boulder to model increased areas where paid parking applies, and where effective average transit fares are negligible because of high Eco Pass and College Pass participation
- Facilitate Citizens Advisory Committee to ensure issues and potential impacts are considered throughout the Metro Vision update
 - Held 6 Citizens Advisory Committee (CAC) meetings

➤ 2014

- Execute engagement mechanisms for key stakeholder groups
 - Solicited feedback on regional challenges and opportunities, housing, changing demographics, parks and open space and infill development on OUR Shared Vision
 - Developed community conversations, modeled after “meeting-in-a-box” format to empower Citizens’ Advisory Committee members to solicit feedback on MV 2040 elements parks and open space, community health and housing
 - Developed and executed a Local Government Survey
 - Planning Directors Lunch – overview of Local Government Survey results
 - Developed and executed an Urban Centers survey
 - Conducted stakeholder interviews related to housing, economic development and Urban Centers
 - Conducted interviews with rural town centers (Bennett, Georgetown, Nederland, Silver Plume)
 - Conducted interviews and focus groups with freestanding communities (Boulder, Brighton, Castle Rock, Longmont)
 - Launched the online Denver Regional Equity Atlas [[see http://www.denverregionalequityatlas.org/](http://www.denverregionalequityatlas.org/)]
- 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
 - Solicited feedback on corridor vision, goals and amenities for the East, Gold and Northwest Corridor on OUR Shared Vision
 - Conducted public forum for the Gold Corridor; solicited feedback on transit-oriented development implementation strategies
 - Hosted nine citizen-based stakeholder committee meetings for the Gold and Northwest Corridors
- Conduct further public participation activities to be defined
 - Hosted two focus groups related to community health and wellness for regional stakeholders including local government staff as well as county/regional health organizations and equity related non-profits
 - Hosted three community-level focus groups on housing in racially segregated or low-income concentrated areas

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- Conducted three focus groups on housing for professional stakeholders including local government and regional partners
- Held Metro Vision Idea Exchanges for infill development and community health and wellness
- Conducted a seven-session Metro Vision 2040 Transit Alliance Citizens' Academy

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7.1 Develop Regional Information Products and Technologies

➤ *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)
 - Edited, maintained, and updated various highway and transit networks used by the Focus model, in conjunction with RTD and CDOT
 - Added fields in 2010 highway network to provide additional information and verify automatically-generated (“tagged”) count entries
 - Archived DynusT model, should it be requested for corridor and other studies
 - Purchased business and residential data to aid in modeling activities
 - Maintained existing geospatial datasets in SDE (internal) and the Regional Data Catalog (external)
 - Performed annual municipal boundary and parcel boundary updates for the region
 - Compiled local data in support of creating regional datasets for parcels, boundaries, zoning, buildings, land use, bike trails, and open space
 - Purchased, QC’ed, and formatted employment data
 - Sent out small area forecast for jurisdiction review to help inform UrbanSim RTP modeling runs
- Participate in and provide information and technical expertise to the environmental processes completed by outside agencies
 - Provided travel model information to support the following environmental processes by outside agencies:
 - I-70 East EIS
 - I-25 North EIS/EA
 - I-25 North PEL
 - US 85 North PEL
 - SH 121/Wadsworth Blvd PEL (Wheat Ridge)
- 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
 - Continued to support the Regional Data Catalog Cookbook Application
- Continue to expand and integrate new data into the DRCOG internal Regional Data Warehouse, and provide output through the online Regional Data Catalog
 - Updated the map gallery
 - Added datasets to the external data catalog, including 2014 boundaries and census information
 - Initiated a project to organize and clean the internal database, institute naming conventions, and improve metadata
 - Initiated DIVA project

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- Added 14 datasets to the Regional Data Catalog for download including data on crashes, environment justice, urban centers, bicycle corridors and open space [see <http://gis.drcog.org/datacatalog/>]
- Develop and update, as needed, informational products including the Regional Economic Report, Community Profiles, Legislative District Profiles, etc.
 - Finished Community Profiles in the fall of 2013 [see <http://gis.drcog.org/datacatalog/subjects/community-profiles>]
 - Began working on the next iteration of Community Profiles
 - Completed the Development Type Model
 - Contributed to new "snapshot" reports that show progress on Metro Vision goals
- Provide technical assistance to local governments, partner agencies, and the public
 - Provided an overview of Compass and Focus model structure, assumptions, and operations to City and County of Denver staff and APA expert panel
 - Provided data files and technical assistance to City and County of Denver for air quality modeling, as well as their assessment of airport, commuting, and other travel on Pena Blvd
 - Developed a new website designed to allow a convenient and secured exchange of data with member governments
 - Served as a resource for Data Consortium members and partners
 - Provided 2010 and 2035 network and auto travel data to the consultant/concessionaire for the Jefferson Parkway Public Highway Authority
- Prepare and distribute public informational items such as presentations, maps, graphics, database tables and summaries, as necessary
 - Presented a summary of progress on the Focus Model Price Sensitivity Refinements study to the C-470 Coalition
 - Assisted in preparation of VMT summaries for legislative profiles
 - Provided socioeconomic forecasts to Town of Castle Rock and Denver Water
 - Provided data and technical assistance to two university researchers
 - Provided travel survey data to the Southwest Energy Efficiency Project
 - Launched the Denver Regional Equity Atlas, a custom web mapping application that shows all types of information including employment, housing, health, demographics, and transit [see <http://www.denverregionalequityatlas.org/>]
 - Provided Data Consortium and DRAPP meeting materials online
 - Prepared Way to Go maps
 - Published the quarterly Data Consortium newsletter
- Coordinate the Regional Data Consortium and other related data events
 - Continued distributing a quarterly newsletter to the Data Consortium to increase knowledge and understanding of geospatial work being done in the region
 - This year's newsletter averaged a 48% read rate ("good" is considered 35%)
 - Consortium meetings were held in February and June 2014

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➤ 2014

- Launch the 2014 Denver Regional Aerial Photography Project (DRAPP)
 - Hired DRAPP 2014 vendors in November 2013. Executed contracts in January 2014
 - Signed 51 official partners
 - Oversaw the spring flights in March/April 2014
 - Partnered with FEMA and USGS to get LiDAR to aid in the orthorectification of the imagery
 - DRCOG facilitated the acquisition of 7,000 square miles of aerial photography valued at \$835,000 in 2014 for the benefit of member governments. The imagery provides a basemap for the region that jurisdictions use for planning, assessment, and analysis. Delivery of the data will occur at the end of the year
 - DRCOG facilitated the purchase of elevation data (LIDAR) on behalf of member governments and contributed \$100,000 to this project. The deliverables will help local staff with spatial analysis and urban planning

7.2 Regional Modeling and Forecasting

➤ Ongoing

- Maintain and refine Focus model, as necessary
 - Updated Focus to run under the most recent TransCAD version 6.0
 - "Micro-code" walk and drive access at light rail stations where ridership is underestimated because of unrealistically long walk link representations
 - Updated DIA forecast enplanements based on information provided by the airport
 - Updated external station crossing volumes and growth rate assumptions based on most recent count data
 - Recalibrated various *Focus* components based on latest data, including regular workplace location choice, regular school location choice, day activity pattern choice, exact number of tours choice, work tour destination type choice, tour destination choice, tour mode choice, intermediate stop generation, intermediate stop location choice, and trip mode choice
 - Convened Price Sensitivity Refinement Priorities workshop in September 2014 to identify a staged sequence of improvements for *Focus*
 - Produced additional tabulations of the Front Range Travel Counts household survey from which to derive additional *Focus* calibration targets [*with consultant assistance*]
 - Re-posted the Model Non-Specific Request for Proposal (RFP) to garner additional firms to assist DRCOG with their land use and travel model activities
- Calibrate and validate the UrbanSim land use model and use for regular planning products
 - Finalized calibration through April 2014
 - Implemented UrbanSim as DRCOG official land use model
 - Updated *Focus* socioeconomic input process to reflect information and file formats produced by UrbanSim

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- Evaluate other modeling/visualization/economic tools, as needed
 - Developed UrbanCanvas, a 3-D visualization tool to be used to model UrbanSim output
 - Worked with GIS group to discuss possibilities of sharing transportation and socioeconomic forecasts via the data portal under development
 - Began building a data visualization website utilizing Tableau software to better communicate DRCOG data, results, and initiatives
- Support work groups associated with forecasting and modeling efforts
 - Attended a meeting of the C-470 Coalition Technical Working Group
 - Participated in the kick-off meeting for CDOT's State-Wide Model development project
- Provide model components and outputs to planning partners or consultants conducting NEPA or other studies, as necessary
 - Assisted with RTD's Northwest Area Mobility Study
 - Assisted consultants conducting the I-25 North PEL Study and Pena Blvd study
 - Assisted City & County of Denver in understanding travel modeling issues associated with the I-70 East Supplemental Draft EIS
- Maintain regional DynusT model and use, as needed, for project analyses
 - Archived DynusT model until such time as additional staff resources and agency needs provide justification for further model development and application
- 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.
 - Engaged RTD in a discussion of possible refinements to Focus Park-n-Ride modeling and developing priorities for examining and implementing these
 - Received GIS data from RTD of 2010 license plate survey at each of their Park-n-Ride lots, for comparison to model-generated travel patterns
 - Prepared initial maps comparing modeled versus observed origins of Park-n-Ride lot users, to identify potential directions for model improvement

➤ 2014

- Incorporate specific enhancements to the Focus model to support development of the 2040 Plans
 - Developed capability to estimate transit person-hours of delay at the request of an MVPAC member in order to compare scenarios
 - No 2040-specific adjustments required
- Continue development of UrbanSim
 - Calibrated and ran UrbanSim in support of any conformity model runs. New model data will be used with FOCUS in the Fall 2014 RTP run

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- Summarize toll survey data (collected by others) for regional applicability
 - Engaged CDOT and RTD in discussions of potential refinements to toll/managed lane and transit modeling as products of the Price Sensitivity study
 - Consultant for Price Sensitivity study reviewed US 36 stated-preference survey and estimated models establishing values of time by time of day and trip purpose
 - Used conclusions from examination of US 36 survey in calibration of *Focus 2014* for development of RTP
- Complete commercial vehicle survey as part of the Front Range Travel Counts project
 - Researched alternative data collection methods to support development and refinement of commercial vehicle models
 - Initiated discussions with CDOT for a contract extension to allow data collection activities to extend into 2015
 - Issued Commercial Vehicle Study RFP on July 23, 2014 and received limited response. Decided to clarify desired submission contents and solicit again on September 12, 2014. A team selection and completed contract is anticipated by the end of 2014

7.3 Assemble and Prepare Transportation and Related Data

➤ 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
 - Collected and started to process 2013 data
- Collect and process traffic counts from CDOT and all member governments/consultants, perform QC, and add to the traffic count database
 - Collected and processed latest counts in Spring 2014
- Update the DRCOG website traffic count map to show count data for the last three years
 - Update completed in Spring 2014
- Define and calculate accessibility measures to be incorporated into plans, performance tracking, or project selection processes
 - Initiated defining and calculating accessibility measures
- Improve methods for calculations of greenhouse gas and air quality measures
 - Worked closely with APCD and RAQC on improvements
- Collect transit ridership, Park-n-Ride[®] lot user data, and other transit-related data from RTD, as available
 - Collected and processed 2013 data
 - Continued to check boarding and load data for routes along, and crossing, Colfax Ave

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- Received and performed initial processing of results from RTD's 2010 license plate surveys at their Park-n-Ride lots
- Received results of RTD's 2013 West Corridor "Before" on-board survey
- Obtain traffic crash data from CDOT for the most recent year available
 - Completed geocoding and processed crash data for 2009-2011
- Transfer state highway crashes into the DRCOG linear reference system and geocode crashes on non-state roadways
 - Completed geocoding and processed crash data for 2009-2011
- Complete summary documentation associated with the Front Range Travel Counts project, offer training to prospective data users, and compile data outputs for specific requests
 - Started to produce tabulations and with consultant assistance, developed narrative, of FRTC household survey results comparable to the earlier Travel in the Denver Region report
 - Provided copies of FRTC household survey to CDOT and to three consultants working for member governments or planning partners
- Summarize Front Range Travel Counts data for use in model calibration
 - Produced tabulations of FRTC household survey responses comparable to Focus model component outputs and incorporated into standard Focus model summary spreadsheet
- Update TRIPS project database when applicable
 - Performed minor fixes and improvements, when needed

➤ 2014

- Conduct the annual Transportation Improvement Survey
 - This task was deferred in lieu of preparing the 2040 RTP
- Edit the transportation information database per plan amendment and update various travel model networks staging respectively
 - Edited highway and transit computer networks for various model years to reflect most recent expectations of anticipated staging for the 2040 RTP