

AGENDA
REGIONAL TRANSPORTATION COMMITTEE

Tuesday, January 19, 2016

8:30 a.m.

1290 Broadway

Independence Pass Board Room

1. Call to Order
2. Public Comment
3. October 20, 2015 Meeting Summary
(Attachment A)

ACTION ITEMS

4. Discussion on concurrence with the Board's approval of a FY 2017 Station Area Master Plans/Urban Center planning study.
(Attachment B) Brad Calvert
5. Discussion on concurrence with the Board's approval of the protocol and a project waiting list for selecting future projects should funding become available for the 2016-2021 Transportation Improvement Program (TIP).
(Attachment C) Todd Cottrell
6. Discussion of TIP project delays for FY 2015.
(Attachment D) Todd Cottrell
7. Discussion of amendments to the 2016-2021 Transportation Improvement Program.
(Attachment E) Todd Cottrell
8. Discussion on confirmation of seven (7) Special Interest seats on the Transportation Advisory Committee (TAC).
(Attachment F) Steve Cook

INFORMATIONAL ITEM

9. Review of FY 2015 Annual Listing of Federal Projects.
(Attachment G) Todd Cottrell
10. Review of draft Freight and Goods Movement component for the Metro Vision Regional Transportation Plan.
(Attachment H) Jacob Riger

ADMINISTRATIVE ITEMS

11. Member Comment/Other Matters
12. Next Meeting – February 16, 2016
13. Adjournment

Persons in need of auxiliary aids or services, such as interpretation services or assisted listening devices, are asked to contact DRCOG at least 48 hours in advance of the meeting by calling (303) 480-6744.

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ATTACHMENT A

MEETING SUMMARY REGIONAL TRANSPORTATION COMMITTEE Tuesday, October 20, 2015

MEMBERS PRESENT:

Shannon Gifford	Colorado Department of Transportation
Shailen Bhatt	Colorado Department of Transportation
Paul Jesaitis (Alternate)	Colorado Department of Transportation
Ed Peterson	Colorado Department of Transportation
Jackie Millet (Chair)	Denver Regional Council of Governments
Jennifer Schaufele	Denver Regional Council of Governments
Elise Jones	Denver Regional Council of Governments
Robin Kniech	Denver Regional Council of Governments
Ron Rakowsky	Denver Regional Council of Governments
Doug Rex (Alternate)	Denver Regional Council of Governments
Ken Lloyd	Regional Air Quality Council
Bill Van Meter (Alternate)	Regional Transportation District
Tina Francone	Regional Transportation District
Tom Tobiassen	Regional Transportation District
Jeff Kullman	Other-Business Interests
Mizraim Cordero	Other-Business Interests

Others Present:

Tony DeVito, CDOT

DRCOG Staff: Derrick Webb, Brad Calvert, Melina Dempsey, Steve Cook, Jacob Riger, Todd Cottrell, Robert Spotts, Will Soper, Mark Northrop, Casey Collins

Call to Order

Chair Jackie Millet called the meeting to order at 8:30 a.m.

Public Comment

There was no public comment.

Summary of September 15, 2015 Meeting

The summary was accepted as written.

ACTION ITEMS

Discussion of proposed 2015 Cycle 2 Amendments to the 2040 Fiscally Constrained Regional Transportation Plan for air quality conformity modeling.

Jacob Riger presented the proposed 2015 Cycle 2 amendments to the 2040 RTP and asked for a recommendation to include them in the transportation networks for air quality conformity modeling. After modeling is completed, the amendments will come back to the committee for approval. A public hearing on the amendments is expected in early 2016.

(Proposed) projects to be modeled:

Agency	Project/Segment Description	Length (Miles)	Current 2040 RTP Status	Cycle 2 Amendment	Total Proj. Cost Est. (\$M)
CDOT	<u>C-470: new managed toll express lanes:</u> • Wadsworth Blvd. to I-25	1.0		Advance eastbound segment (1 lane) from Wadsworth Blvd. to Platte Canyon Rd. to 2015-2024 stage	
CDOT	<u>I-70: new managed lanes (HOV policy TBD)</u> • I-25 to Chambers Rd. (1 new lane in each direction)	9.6		Change scope/limits from 2 managed lanes in each direction (Brighton Blvd. to I-270) to 1 managed lane in each direction (I-25 to Chambers Rd.)	
Commerce City	Pena Blvd./Tower Rd.: construct missing on-ramp to WB Pena	NA	Not in RTP	Add to fiscally constrained network (2015-2024 stage), locally funded	\$3.8
Commerce City	Tower Rd.: Pena Blvd. to 104th Ave. widening (2 to 4 lanes)	3.5	In 2015-2024 stage (2 to 6 lanes)	Change widening to 2 to 4 lanes in 2015-2024 stage; add widening to 4 to 6 lanes in 2025-2034 stage	\$40.5
E-470 Authority	E-470: Parker Rd. to Quincy Ave. widening (4 to 6 lanes)	8.1	In 2025-2034 stage	Advance to 2015-2024 stage	\$80.0
Jefferson County	McIntyre St.: 44th Ave. to 52nd Ave. widening (2 to 4 lanes)	1.0	Not in RTP	Add to fiscally constrained network (2015-2024 stage), locally funded	\$3.5
Jefferson County	McIntyre St.: 52nd Ave. to 60th Ave. widening (2 to 4 lanes)	1.0	Not in RTP	Add to fiscally constrained network (2015-2024 stage), locally funded	\$6.5
Jefferson County	Quincy Ave: C-470 to Simms. St. widening (2 to 4 lanes)	1.9	In 2025-2034 stage	Advance to 2015-2024 stage	\$8.0
Wheat Ridge	Wadsworth Blvd.: 35th Ave. to 48th Ave. widening (4 to 6 lanes)	1.2	In 2025-2034 stage	Advance to 2015-2024 stage	\$31.6

There was brief discussion on CDOT HOV policy, which is currently under development.

Ron Rakowsky MOVED to recommend to the Board of Directors the proposed 2015 Cycle 2 Amendments to the *2040 Fiscally Constrained Regional Transportation Plan* for air quality conformity modeling. The motion was seconded and approved unanimously.

Discussion of recommended FY 2016 and 2017 Station Area Master Plans/Urban Center planning studies.

Derrick Webb presented recommendations made by the STAMP/UC Project Review Panel. Staff received 17 applications through a call for projects for a total request of ~\$2.6 million in federal CMAQ funding.

Of the 17 applications, 7 projects were recommended by the STAMPS/UC Panel for a total of \$1.15 million. An administrative flat rate fee of ~\$5,900 per study will be charged by RTD. Members expressed appreciation of RTD's decision to lower the administrative fee.

STAMPs/UC projects

Sponsor	Study	Recommended CMAQ funding	
		FY16	FY17
36 Commuting Solutions	Northwest Corridor Bicycle and Pedestrian Final Wayfinding Plans Final and Sign Design	\$150,000	
City of Arvada	Gold Line Kipling Ridge Station	\$80,000	
City and County of Denver	National Western Center Parking and Transportation Management Study	\$200,000	
Transportation Solutions	Multi-Station Plan and Mobility Study: Colorado and University Stations	\$160,000	
City of Aurora	Aurora City Center Train/Traffic and Transportation Network Study		\$200,000
City of Longmont	Main Street Corridor Plan		\$200,000
City of Thornton	North Thornton and Highway 7 TOD Master Plan		\$160,000
	<i>Subtotals</i>	<i>\$590,000</i>	<i>\$560,000</i>
		Total	\$1,150,000

Ron Rakowsky MOVED to recommend to the Board of Directors the recommended FY 2016 and 2017 Station Area Master Plans/Urban Center planning studies. The motion was seconded and approved unanimously.

Discussion of recommended FY 2016 and 2017 Travel Demand Management (TDM) projects.

Melina Dempsey presented the recommendations made by the TDM Project Review Panel. Staff received 18 applications through a call for projects for a total request of \$3.24 million in federal CMAQ funding. The project applications included 5 infrastructure projects (\$1.12 million total request); and 13 non-infrastructure projects (\$2.12 million total request).

Of the 18 applications received, 11 were recommended by the TDM Panel (4 infrastructure and 7 non-infrastructure) for a total funding award of ~\$2.33 million.

TDM Projects

Sponsor	Project	Recommended CMAQ Funding
<i>Infrastructure</i>		
Aurora (City of)	Bike-n-Ride Storage Facilities: Aurora and East Line	\$300,000
36 Commuting Solutions (TMA)	Bike-n-Ride Shelters: Broomfield/Sheridan Stations	\$258,623
Boulder County	Real-Time Signage Project: Boulder County	\$257,935
Golden (City of)	Bike Library: City of Golden	\$164,144
	<i>Infrastructure Subtotal</i>	<i>\$980,702</i>
<i>Non-Infrastructure</i>		
Groundwork Denver	Community-Based Social Marketing Project: West/North-Central Denver and Commerce City	\$238,493
eGo Carshare	Multi-modal Access Pass Marketing Campaign and Fleet Expansion	\$111,767
Bike Denver	Ambassador Program	\$248,369
Walk Denver	Wayfinder Academy	\$144,550
Transportation Solutions	Access Cherry Creek/Access Colorado Boulevard	\$200,000
RAQC	Every Trip Counts - Smart Commute Metro North	\$286,364
Community Cycles	Community Multi-modal Transportation Center	\$124,235
	<i>Non-Infrastructure Subtotal</i>	<i>\$1,353,778</i>
	Total	\$2,334,480

Another project (*36 Commuting Solutions' US-36 Casual/Dynamic Pilot Ridesharing* for \$150,000) was recommended for wait-listing.

Robin Kniech MOVED to recommend to the Board of Directors the recommended FY 2016 and 2017 Travel Demand Management (TDM) projects. The motion was seconded and approved unanimously.

INFORMATIONAL ITEMS

Summary of draft *2014 Annual Report on Roadway Traffic Congestion in the Denver Region*. Steve Cook presented the 2014 annual report on congestion in the Denver region. The report contains information on VMT, performance measures, locations of congestion, multimodal strategies, and recent projects. This year's report highlights a comparison of Denver area with other metro areas.

ADMINISTRATIVE ITEMS

Member Comment/Other Matters

CDOT's *Transportation Matters Summit* will be held on October 28 at the Grand Hyatt. Featured speaker will be Anthony Foxx, USDOT Secretary.

The meeting was adjourned at 9:33 a.m. The next scheduled meeting is November 17, 2015.

ATTACHMENT B

To: Chair and Members of the Regional Transportation Committee

From: Brad Calvert, Metro Vision Manager, Regional Planning and Operations
303 480-6839 or bcalvert@drcog.org.

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Action	4

SUBJECT

Approval of a study to be funded in the Station Area Master Plan/Urban Center Studies (STAMP/UC) set-aside for fiscal year 2017.

PROPOSED ACTION/RECOMMENDATIONS

Approve, in concurrence with the DRCOG Board, the North Capitol Hill/Colfax Urban Center study submitted by the City and County of Denver.

ACTION BY OTHERS

[December 16, 2015](#) – DRCOG Board approved North Capitol Hill/Colfax Urban Center study.

[November 23, 2015](#) - TAC recommended approval of proposed study.

[October 21, 2015](#) - DRCOG Board approved seven STAMP/UC studies (FYs 2016 and 2017) and directed staff to allocate the remaining \$50,000 from this cycle.

[April 15, 2015](#) – DRCOG Board approved the STAMP/UC set-aside process for fiscal years 2016 and 2017.

SUMMARY

In October, the DRCOG Board approved funding seven studies totaling \$1,150,000 in federal funds, leaving an unallocated amount of \$50,000 in federal funds in the FYs 2016-2017 STAMP/UC set-aside. The Board further directed staff to offer the remaining funds to applicants that applied for but did not receive funds during the original allocation. Staff reached out to all applicants to confirm interest in being considered for selection given the following stipulations:

- The scope of the project as originally submitted must be completed in full. Any funding gaps must be made up by the entity accepting the funds.
- The selected study will be programmed in FY 2017.

DRCOG staff then reconvened the Project Selection Panel to determine a final ranking of the remaining unfunded projects (shown in Attachment 1). The cities of Centennial and Louisville asked that their projects be removed from consideration as the Panel was determining a final ranking.

The \$50,000 was first offered to the panel's highest ranked project (Broomfield), which declined. The second-highest ranked project (Denver) accepted the funds for the North Capitol Hill/Colfax Urban Center study. Denver originally requested \$200,000 in federal funds to support the development of the study, but has agreed to complete the original scope as detailed in its application using the \$50,000 remaining in the FYs 2016-2017 set-aside.

The DRCOG Board of Directors approved the North Capitol Hill/Colfax Urban Center study at its December 16, 2015 meeting. RTC approval, in concurrence with the DRCOG Board, is needed to award funds to the project sponsor.

PREVIOUS DISCUSSIONS/ACTIONS

[October 20, 2015](#) RTC recommended project list for FYs 2016 and 2017 STAMP/UC set-aside.

PROPOSED MOTION

Move to approve, in concurrence with the DRCOG Board, the North Capitol Hill/Colfax Urban Center study funded through the Station Area Master Plan/Urban Center set-aside for fiscal year 2017.

ATTACHMENT

1. Station Area Master Plan/Urban Center unfunded ranking recommendations.

ADDITIONAL INFORMATION

If you need additional information, please contact Brad Calvert, Metro Vision Manager, Regional Planning and Operations at 303 480-6839 or bcalvert@drcoq.org.

ATTACHMENT 1

Station Area Master Plan/Urban Center Unfunded Ranking Recommendations

Sponsor	Rank	Process
Broomfield - SH7 BRT, Multimodal Station Recs. Right-of-Way	1	offered and declined
Denver - North Capitol Hill/Colfax Urban Center Study	2	offered and accepted
Longmont - Urban Renewal Design and Implementation	3	not offered
Denver - Urban Mobility Hubs	4	not offered
Centennial - Arapahoe Urban Center	5	dropped out of selection process
Parker - Parking Implementation Strategic Plan	6	not offered
Englewood - Light Rail Corridor Next Steps Study III	7	not offered
RTD - First and Final Mile Strategic Plan	8	not offered
Englewood - Light Rail Corridor Next Steps Study II	9	not offered
Louisville - Parking Structure Study	10	dropped out of selection process

ATTACHMENT C

To: Chair and Members of the Regional Transportation Committee

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

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Action	5

SUBJECT

Development of the *2016-2021 Transportation Improvement Program (TIP)* waiting list and selection protocol.

PROPOSED ACTION/RECOMMENDATIONS

Approve, in concurrence with the DRCOG Board, the protocol and a project waiting list for selecting future projects, should funding become available for the *2016-2021 Transportation Improvement Program (TIP)*.

ACTION BY OTHERS

December 16, 2015	Board approved TIP Protocol and Waiting List.
December 2, 2015 MVIC	Draft TIP Protocol recommended.
October 7, 2015 MVIC	Draft TIP Waiting List recommended.
August 24, 2015 TAC	Draft TIP Protocol recommended.
July 27, 2015 TAC	Draft TIP Waiting List recommended.

SUMMARY

Appendix E of the adopted [2016-2021 Transportation Improvement Program \(TIP\)](#) contains a placeholder for a waiting list of eligible projects and a protocol for selecting those projects should additional funds become available. There are nearly \$300 million worth of TIP project requests currently eligible for the waiting list. These projects had all applied for the TIP, but were not selected for funding. Since it's impossible to know if additional funding will become available, the protocol and ranked waiting list of projects are created to provide official guidance for programming.

Protocol

The adopted 2016-2021 TIP Policy states very broadly what will happen if additional funds become available. Appendix E of the adopted 2016-2021 TIP (when amended) will include those additional details. The Board approved waiting list protocol is contained in Attachment 1.

Ranked Order List of Projects

In July and August, TAC developed a recommendation to the Metro Vision Issues Committee (MVIC) for the ranked project waiting list. The recommended project waiting list assigns the three federal funding program categories (STP-Metro, CMAQ-Congestion Mitigation/Air Quality, and TAP-Transportation Alternatives Program) to specific project types. The projects, excluding studies, were then ranked based on the TIP score. Studies were assigned a ranking based on how they help implement 2040 RTP projects. This option is the most similar to how past TIP waiting lists were prepared. The funding programs assigned to each project type are as follows:

1. Bike/Ped: CMAQ and TAP
2. Roadway Operational: STP-Metro
3. Roadway Capacity: STP-Metro
4. Studies: STP-Metro

At its October 7 meeting, MVIC modified the TAC-recommended project waiting list by removing five projects that had already been partially funded in the TIP. The DRCOG Board of Directors approved the waiting list and selection protocol at its December 16, 2015 meeting. RTC approval, in concurrence with the DRCOG Board, is needed to affirm the action.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to approve, in concurrence with the DRCOG Board, the *2016-2021 Transportation Improvement Program* (TIP) waiting list and selection protocol.

ATTACHMENTS

1. Board approved 2016-2021 TIP Waiting List Protocol
2. Board approved 2016-2021 TIP Project Waiting List
3. Staff presentation

Link: [2016-2021 Transportation Improvement Program \(TIP\)](#)

Link: [Policy on Transportation Improvement Program \(TIP\) Preparation: Procedures for preparing the 2016-2021 TIP](#)

ADDITIONAL INFORMATION

If you need additional information, please contact Todd Cottrell, Senior Transportation Planner, at 303-480-6737 or tcottrell@drcog.org.

ATTACHMENT 1

2016-2021 TIP Waiting List Protocol

(December 16, 2015 Board Approved)

If additional funds become available in the first three years of the TIP (FY 2016-2018), DRCOG staff will initiate the process to allocate funds to waiting list projects as described below. Additional funding that becomes available in FY2019 (October 1, 2018) will be rolled over and included with the Call for Projects in the next TIP. This protocol does not apply to any TIP set-asides, pool programs, or projects not on the waiting list.

When DRCOG staff is informed of additional funds, the following steps will be followed:

1. Obtain official verification from CDOT of availability of funds.
2. When either a) \$2 million is accrued within one of the two specific funding program categories (STP-Metro or CMAQ/TAP) or b) an amount equal to 100% of the next-in-line (top-ranked) project funding request is accrued, staff will first contact sponsors of projects to try to advance project phases already identified in the TIP. Staff will then select projects in order from the waiting list(s) included in Appendix E of the 2016-2021 TIP to the limit of applicable funds available.
 - a. Contact the sponsor of the top ranked project on the waiting list, by funding category to determine the sponsor's interest in being selected. If the amount of funds available is less than the requested cost of that project, the sponsor will be asked if it would be willing to complete the entire project as submitted for the amount of funds available. Projects that accept partial funding will be removed from the list. If the response is no, or if all the available funds have not been fully allocated, DRCOG staff will proceed to the next project on the waiting list. Sponsors that request to be passed over on the funding opportunity will remain on the waiting list.
 - b. At the end of FY 2018 (September 30, 2018), even if less than \$2 million has accrued within a funding category, staff will go down the wait list in accordance with section 2.a. above to allocate available funds.
3. Recommend projects to be programmed and take them through the committee process to the Board as TIP Amendments.

ATTACHMENT 2

**2016-2021 TIP Project Waiting List
(December 16, 2015 Board Approved)**

Rank Ordered by Fund Category							
STP-M	CMAQ and/or TAP	Sponsor	Project Name	TIP Project ID	TIP Score	Project Type	Federal Funding Request
1		Commerce City	88th Ave NEPA Study: I-76 to Hwy 2	CoCy-2014-006	N/A	Studies	\$150
2		Arapahoe County	Hill Ave Corridor Operational Improvements: Parker Rd to Quebec St (Remaining Amount)	TIP-2016-024	83.8	Operations	\$3,892
2		Longmont	SW Longmont Subarea Operations Study	Long-2014-001	N/A	Studies	\$300
3		Douglas County	US-85 Operational Improvements: Blakeland Dr to County Line Rd *	DgCo-2014-005	76.4	Operations	\$15,000
4	4	Boulder	N-30th St/Colorado Ave Bike/Ped Underpass (Remaining Amount)	TIP-2016-035	73.7	B/P	\$1,250
4		Commerce City	Vasquez Access Study: I-270 to Hwy 2/US-85	CoCy-2014-005	N/A	Studies	\$180
6		Denver	Martin Luther King Jr Blvd Extension: Havana St to Peoria St (Remaining Amount)	TIP-2016-022	71.5	Capacity	\$1,328
	1	Univ of Col - Boulder	N - 19th Street Trail and Bridge	UoCB-2014-002	70.5	B/P	\$4,798
	2	Boulder	U - SH-157/Foothills Pkwy Underpass at Colorado Ave	Bldr-2014-009	68.3	B/P	\$3,200
	3	Denver	U - South Platte Greenway Access: Iowa Ave RR Underpass to Santa Fe Dr	Denv-2014-024	68	B/P	\$1,704
	4	Denver	U - South Platte Greenway/Cherry Creek Trail: Confluence Bridge Upgrades	Denv-2014-025	68	B/P	\$7,980
	5	Univ of Col - Boulder	N - 19th St and 21st St Bridges and Trails **	UoCB-2014-003	67.6	B/P	\$7,305
	6	Arvada	U - W 57th Ave Sidewalks: Independence St to Balsam St	Arvd-2014-034	67.2	B/P	\$628
	7	Denver	N - Peoria Station Multi Use Path: 39th Ave to 44th Ave	Denv-2014-026	66.9	B/P	\$1,950
	8	Wheat Ridge	N - Kipling St Multi-Use Trail: 32nd Ave to 44th Ave	WhRd-2014-006	66.9	B/P	\$2,240
	9	Denver	U - 1st Ave/Steele St Multimodal Improvements: 1st Ave to Colorado Blvd	Denv-2014-035	66.3	B/P	\$5,254
	10	Lakewood	N - Sheridan Blvd Bike Path: 6th Ave to 10th Ave ***	Lakw-2014-006	66.1	B/P	\$1,920
	11	Denver	N - 38th St/Marion St/Walnut St Multimodal Improvements: Walnut St to Lawrence St/Downing St	Denv-2014-028	65.6	B/P	\$2,131
	12	Boulder	N - Skunk Creek Bike/Ped Underpass at Moorehead Ave	Bldr-2014-002	65.4	B/P	\$2,640
	13	Denver	N - Sheridan Station Sidewalks: 8th to 10th/Colfax to 17th ***	Denv-2014-027	64.7	B/P	\$1,172
	14	Aurora	N - 6th Ave Bike/Ped Facility: Vaughn St to Del Mar Circle	Aura-2014-011	64.2	B/P	\$4,674
7		R-T-D	Regional BRT Feasibility Study (Remaining Amount)	TIP-2016-051	N/A	Studies	\$200
5		Denver	Colfax Ave Transit Enhancements: 7th St near I-25 to Yosemite	Denv-2014-011	63.8	Operations	\$12,004
	15	Arvada	U - Independence St Sidewalks: W 50th Ave to W 57th Ave	Arvd-2014-029	63.1	B/P	\$1,665
	16	Wheat Ridge	N - 32nd Ave Bike Lanes: Sheridan Blvd to Youngfield St	WhRd-2014-007	62.5	B/P	\$4,000
	18	Superior	N - Superior Trail: McCaslin BRT to Davidson Mesa Underpass (Remaining Amount)	TIP-2016-034	62.4	B/P	\$193
	17	Westminster	N - Walnut Creek Trail: 103rd Ave to 106th Ave	West-2014-003	62	B/P	\$8,280
	18	Boulder	U - SH-157/Foothills Pkwy Bike/Ped Underpass at Sioux Dr	Bldr-2014-010	61.2	B/P	\$3,440
	19	Lone Tree	N - Lincoln Ave Pedestrian Bridge: West of Heritage Hill Circle	Ltre-2014-001	59	B/P	\$1,500
	20	Arvada	N - Ridge/Reno Rd Mixed-use Trail: Garrison St to Allison St	Arvd-2014-018	58.7	B/P	\$1,442
6		Parker	Parker Road Transportation and Land Use Plan	Park-2014-005	N/A	Studies	\$125
7		Denver	56th Ave Widening: Chambers Rd to Pena Blvd	Denv-2014-012	58.3	Capacity	\$9,800
	21	Boulder County	N - Butte Mill Multimodal Connection: Valmont Path to Arapahoe Rd Transit	BICo-2014-007	57.9	B/P	\$312
	22	Denver	N - 38th/Blake Station: 35th St Multimodal Improvements: Wazee St to S Platte Greenway Trail	Denv-2014-030	57.9	B/P	\$3,479
	23	Boulder County	N - Williams Fork Trail Multi-use Path	BICo-2014-008	57.8	B/P	\$632
8		R T D	83L Enhancements: Downtown Civic Center to Nine Mile	RTD-2014-006	N/A	Studies	\$800
9		Douglas County	County Line Rd: Phillips Ave to University Blvd Capacity Improvements	DgCo-2014-001	57.4	Capacity	\$6,000
10		Lakewood	Wadsworth: Ohio Ave to 285 PEL	Lakw-2014-004	N/A	Studies	\$1,600
	11	Aurora	Parker Rd/Quincy Ave/Smoky Hill Rd Operational Improvements	Aura-2014-005	56.9	Operations	\$4,492
	24	Boulder	N - 28th St/US-36: Fourmile Canyon to Yarmouth Ave Multi-Use Path	Bldr-2014-005	55.2	B/P	\$4,880
12		Longmont	Design: Oligarchy Ditch Trail/Main St Underpass: Mountain View Ave to 21st Ave	Long-2014-007	N/A	Studies	\$160
13		Lakewood	Alameda Ave Operational Improvements: Vance St to Pierce St	Lakw-2014-007	55	Operations	\$1,150
14		Thornton	104th Ave Widening: Grandview Ponds to S Platte River	Thor-2014-001	54.2	Capacity	\$8,040
	25	Boulder	N - Table Mesa Dr Bike/Ped Underpass	Bldr-2014-001	54	B/P	\$3,840
15		Westminster	Sheridan Blvd Operational Improvements: 87th Ave to US-36	West-2014-001	53.3	Operations	\$5,600
16		Aurora	Airport Blvd-Buckley Rd/Alameda Pkwy Intersection Operational Improvements	Aura-2014-006	53.1	Operations	\$1,664
17		Louisville	Hwy 42/96th St Corridor Operational Improvements: Pine St to S Boulder Rd	Lou-2014-003	53	Operations	\$8,837
	26	Arvada	U - W 60th Ave Bike/Ped Facilities: Tennyson St to Sheridan Blvd	Arvd-2014-030	52.8	B/P	\$1,378
	27	Arvada	N - W 52nd Ave Bike/Ped Facilities: Marshall St to Vance St	Arvd-2014-004	52.2	B/P	\$687
	28	Arapahoe County	N - Yale Ave/Holly St/Highline Canal Trail Pedestrian and Roadway Improvements	ApCo-2014-009	51.5	B/P	\$1,470
18		Lafayette	South Boulder Rd and 119th/120th St Operational Improvements	Lafa-2014-007	50.5	Operations	\$2,665
19		Commerce City	88th Ave Widening: I-76 to Hwy 2	CoCy-2014-003	50	Capacity	\$28,809
	29	Parker	N - Parker Road Sidewalk Connection: Twenty Mile Road to Indian Pipe Ln	Park-2014-003	49	B/P	\$541
20		Arvada	SH-72 at W 72nd Ave Intersection Operational Improvements	Arvd-2014-002	49	Operations	\$5,406
	30	Arvada	N - Little Dry Creek Bike/Ped Grade Separation	Arvd-2014-017	48.7	B/P	\$2,873
	31	Denver	U - High Line Canal Trail Underpass: Parker Rd and Mississippi Ave	Denv-2014-033	48.6	B/P	\$3,201
	32	Nederland	N - Middle Boulder Creek Bridge Project	Nedl-2014-002	48.1	B/P	\$726
	33	Boulder	N - Bear Creek Canyon Bike/Ped Underpass	Bldr-2014-003	47.5	B/P	\$4,480
21		Louisville	Highway 42/96th St Corridor Operational Improvements: Lock St to Pine St	Lou-2014-001	46.5	Operations	\$4,178
	34	Boulder	N - Fourmile Canyon Creek: 19th St to Violet Ave Bike/Ped Facilities	Bldr-2014-006	46.4	B/P	\$5,298
22		Aurora	6th Ave/Pkwy Extension: Liverpool St to E-470	Aura-2014-008	45.3	Capacity	\$13,918
23		Louisville	Hwy 42/96th St Corridor Operational Improvements: S Boulder Rd to Paschal Dr	Lou-2014-004	44.6	Operations	\$4,840
24		Denver	Quebec St Operational Improvements: Sandown Rd/40th Ave to I-70	Denv-2014-022	44.4	Operations	\$4,290
25		Castle Rock	Plum Creek Pkwy and Wilcox St Intersection Operational Improvements	CRck-2014-003	43.4	Operations	\$1,730
26		Aurora	Peoria St Operational Improvements: Fitzsimons Pkwy to North of Sand Creek	Aura-2014-007	43	Operations	\$11,874
	35	Arvada	N - Alkire St Pedestrian Bridge	Arvd-2014-001	42.8	B/P	\$2,039
	36	Erie	N - Coal Creek Extension: Reliance Park to Erie Village	Erie-2014-009	39.4	B/P	\$1,480
	37	Erie	N - Coal Creek Trail Extension: Reliance Park to Kenosha Rd	Erie-2014-003	36.5	B/P	\$1,840
	38	Nederland	U - Lakeview Dr/SH-72 Intersection Operational Improvements	Nedl-2014-001	35.9	B/P	\$467
	39	Longmont	N - County Line Rd Bike Shoulders: 9th Ave to SH-66	Long-2014-006	34.5	B/P	\$1,360
27		Castle Rock	Founders Pkwy and Crowfoot Valley Rd Intersection Operational Improvements	CRck-2014-002	34.4	Operations	\$2,042
	40	Lyons	N - US36 (Broadway) and SH-7 (5th Ave) Bike/Ped Facilities	Lyon-2014-001	34.1	B/P	\$1,309
	41	Westminster	U - 72nd Ave Sidewalk Reconstruct: Stuart St to Xavier St	West-2014-002	33.6	B/P	\$3,360
	42	Jefferson County	N - 32nd Ave Bike/Ped Facilities: Alkire St to Eldridge St	JfCo-2014-002	31.1	B/P	\$1,113
28		Erie	County Line Road Operational Improvements: Bonnel Ave to Erie Pkwy	Erie-2014-001	31	Operations	\$3,240
29		Erie	County Line Road Operational Improvements: Erie Pkwy to Telleen Ave	Erie-2014-002	30	Operations	\$2,640
30		Lafayette	Hwy 7 and 119th St Operational Improvements	Lafa-2014-006	29.9	Operations	\$1,510
	43	Boulder County	N - Isabelle Rd Shoulders: N 95th St to N 109th St	BICo-2014-002	26.4	B/P	\$1,418
	44	Erie	U - Pedestrian Underpass at Coal Creek Crossing	Erie-2014-007	25	B/P	\$320
31		Erie	County Line Road Operational Improvements: Telleen Ave to Evans St	Erie-2014-004	24	Operations	\$2,200
	45	Erie	N - County Line Road Bike Shoulders: Evans St to SH-52	Erie-2014-005	20.6	B/P	\$1,760
	46	Jefferson County	N - McIntyre St Bike/Ped Facilities: 32nd Ave to SH-58	JfCo-2014-003	20.4	B/P	\$824

* Lower scoring duplicative capacity project was removed

** Project contains complete scope of other UC-Boulder project

*** Requested funding reflects adjustment after receiving CDOT Region 1 controlled federal TAP funding



Previous 16-21 TIP Action

- TIP was adopted with a placeholder in Appendix E for a protocol and a waiting list of projects
- \$300 million worth of unfunded requests eligible from \$570 million in applications
- Impossible to predict if additional funding will become available
- Developing and adopting protocol and list of projects provides future guidance

The slide has a decorative vertical bar on the left side with a blue and green grid pattern and a gold circle. The title 'Previous 16-21 TIP Action' is in a dark brown font. The list items are in a dark blue font.




Draft Waiting List Protocol

- See Attachment 1
- In FY2016-2018, if additional funds become available...
 - Any funds derived during FY19 rolled over to the next TIP
- Draft protocol states projects will be selected in order from the waiting list depending on funding type available
 - When funds are available: ask sponsor if they would like the available funding (even if what's available is less than their project request)
 - Sponsor must complete project as submitted
 - If partial funding is accepted, the project is removed from the list
 - If yes, then fund
 - If no, move to the next project (project remains on the list)



Draft Ranked Order List of Projects

- Similar to previous TIP waiting lists (attachment 2)
- The waiting list assigns the three DRCOG funding types to defined project types
 - CMAQ/TAP: Bike/Ped projects
 - STP-Metro: Roadway Ops and Capacity, and Studies
- These projects are ranked in separate columns by funding type in score order, except Studies
 - Studies: ranked by how they help implement 2040 RTP projects



Motion

- Move to approve, in concurrence with the DRCOG Board, the *2016-2021 Transportation Improvement Program (TIP)* waiting list and selection protocol.

ATTACHMENT D

To: Chair and Members of the Regional Transportation Committee
From: Todd Cottrell, Senior Transportation Planner
303 480-6737 or tcottrell@drcog.org

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Action	6

SUBJECT

This action concerns delayed projects or project phases scheduled in Fiscal Year 2015.

PROPOSED ACTION/RECOMMENDATIONS

Staff recommends approval of proposed actions regarding FY 2015 project delays.

ACTION BY OTHERS

[December 21, 2015](#) – TAC recommended approval.

SUMMARY

The *FY 2012-2017 Policy on TIP Preparation* document identifies expectations for project initiation and the policy for addressing delays for projects/phases with DRCOG-allocated federal funding. Timely initiation of TIP projects/phases is an important objective of the Board. Delays, for whatever reason, tie up scarce federal funds that could have been programmed to other ready projects/phases.

At the end of FY 2015 (September 30, 2015), DRCOG staff reviewed the implementation status of DRCOG-selected projects/phases with CDOT and RTD. DRCOG staff discussed with the sponsors the reason(s) for the delays and action plans demonstrating the sponsor's commitment to timely initiation.

The TIP Project Delays Report for FY 2015 summarizes the reasons for delays and actions proposed by sponsors to get projects to ad or a particular phase(s) initiated. The report includes DRCOG staff recommendations for committee and Board consideration.

PREVIOUS BOARD DISCUSSIONS/ACTIONS

NA

PROPOSED MOTION

Move to recommend to the Board of Directors actions proposed by DRCOG staff regarding *2012-2017 Transportation Improvement Program (TIP)* project delays for Fiscal Year 2015.

ATTACHMENT

TIP Project Delays Report for FY 2015

ADDITIONAL INFORMATION

If you need additional information, please contact Todd Cottrell, Senior Transportation Planner at 303-480-6737 or tcottrell@drcog.org.

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

A. POLICY

The FY2015 TIP Project Delays Report reviews project phases funded in the previous 2012-2017 TIP. The report is based on procedures established in the 2012-2017 *Policy on Transportation Improvement Program (TIP) Preparation*, adopted July 21, 2010, with amendments accordingly. The policy states that “**implementation of an entire project or single project phase (if project has federal funding in more than one year) may be delayed only once by the project sponsor.**” The objective of this delay policy is to minimize the number of projects delayed and improve the efficiency of spending federal dollars.

B. PROCESS

To implement the policy, the following steps were taken:

1. At the beginning of October (coinciding with the beginning of the new federal fiscal year), DRCOG staff requested that CDOT and RTD conduct a comprehensive review of all STP-Metro, CMAQ, and Enhancement/Transportation Alternatives Program (TAP) projects that had been selected by DRCOG to receive and begin expending TIP funds in FY2015. The review also includes projects/phases that were previously on the FY2014 project delays report.
2. CDOT and RTD review all such project phases, identifying those that have not been initiated, and therefore delayed.
3. Those project phases that were delayed for a second year (first year delay was in FY2014) became ineligible to receive further federal funding reimbursement unless the DRCOG Board granted a variance to continue. Three projects were brought to the Board in October 2015 and are discussed in Section C below.
4. In late-October, DRCOG staff notified first year delayed project/phase sponsors and requested a discussion regarding the delay. These projects are discussed in Section D.

C. SECOND YEAR DELAY (FY2014) PROJECTS SEEKING A VARIANCE TO CONTINUE

1. Boulder

Name: *Baseline Rd Bike/Ped Underpass: Broadway St/SH-93 to 28th St/US-36*

TIP ID: 2012-046

Project Phase: Initiate Construction

FY2014 and FY2015 federal funding: \$2,938,000

<http://www3.drcog.org/trips/Project/2012-2017/details/46069>

This project went to ad January 7.

Recommendation— *This project is no longer delayed.*

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

2. Greenwood Village

Name: *Greenwood Plaza Blvd Sidewalks*

TIP ID: 2012-006

Project Phase: Initiate Construction

FY2014 federal funding: \$676,000

<http://www3.drcog.org/trips/Project/2012-2017/details/46521>

Staff of Greenwood Village went before the Board in October to seek a variance to continue the project. A variance was granted for 120 days. Greenwood Village will need to advertise the project no later than January 28.

Recommendation—*Continuously monitor the progress of this project through project advertisement.*

- If Greenwood Village is unable to advertise before January 28, 2016, they must stop all future federal reimbursement payment requests retroactive to September 30, 2015.

3. Thornton

Name: *North Metro Rail Bicycle/Pedestrian Access to Four FasTracks Stations*

TIP ID: 2012-081

Project Phase: Initiate ROW

FY2014 federal funding: \$185,000

<http://www3.drcog.org/trips/Project/2012-2017/details/46918>

Right of way plans were completed and turned into CDOT on January 11.

Recommendation— *This project phase is no longer delayed.*

D. FIRST YEAR DELAY (FY2015) PROJECTS SEEKING APPROVAL TO CONTINUE

4. Arapahoe County

Name: *Implement Arterial Travel Time Monitoring System*

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$105,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

This project was combined with the Greenwood Village ITS project. The RFP was released in October.

Recommendation - *Since the project is no longer delayed, no conditions are placed upon it.*

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

5. Arapahoe County

Name: *Arapahoe Rd/Yosemite St. Intersection Operational Improvement*

TIP ID: 2012-087

Project Phase: Initiate Construction

FY2015 Federal funding: \$2,500,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46977>

Arapahoe County reports the project has been delayed due to being integrated into the larger CDOT RAMP-funded interchange reconstruction project at I-25 and Arapahoe. That project currently has nearly 100% of the design plans completed and is undergoing ROW acquisition. A contractor is already on board and only needs to agree on a final construction cost estimate to begin, which is expected to be in May.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- Arapahoe County and CDOT staff continue to aggressively pursue a final construction cost estimate no later than the end of May 2016. If unachievable, Arapahoe County and DRCOG staff shall discuss this project at the first of each month beginning in June 2016, until a final construction cost estimate has been agreed to.

6. Aurora

Name: *Colfax Ave Bike/Ped Improvements: Fitzsimons Pkwy to Peoria St*

TIP ID: 2012-091

Project Phase: Initiate Construction

FY2015 Federal funding: \$365,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46972>

Aurora reports the project has been delayed due to necessary coordination and impacts with the ongoing construction of a nearby CDOT bridge replacement, the VA hospital project, and construction of the I-225 rail line. It is anticipated advertisement for the project can take place in April 2016.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- Aurora and CDOT staff continue to aggressively pursue advertisement no later than the end of April 2016. If unachievable, Aurora and DRCOG staff shall discuss this project at the first of each month beginning in May 2016, until the project has been advertised.

7. Aurora

Name: *Peoria-Smith Commuter Rail Station Bike/Pedestrian Access Improvements*

TIP ID: 2012-050

Project Phase: Initiate Construction

FY2015 Federal funding: \$335,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46073>

Aurora reports the project has been delayed due to design changes caused by a new housing development located nearby and ongoing light rail station construction. It is anticipated advertisement for the project can take place in March 2016.

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

Recommendation—DRCOG staff recommends the delay be approved subject to the following condition:

- Aurora and CDOT staff continue to aggressively pursue advertisement no later than the end of March 2016. If unachievable, Aurora and DRCOG staff shall discuss this project at the first of each month beginning in April 2016, until the project has been advertised.
-

8. **Centennial**

Name: *Implement Arterial Travel Time Monitoring System*

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$346,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

Centennial reports the project has been delayed due to a misunderstanding. The funding for this project is spread over two years, which made Centennial believe delays wouldn't be considered until the end of the second year of funds (FY16). It is anticipated procurement can take place in April 2016.

Recommendation—DRCOG staff recommends the delay be approved subject to the following condition:

- Centennial and CDOT staff continue to aggressively pursue advertisement no later than the end of April 2016. If unachievable, Centennial and DRCOG staff shall discuss this project at the first of each month beginning in May 2016, until procurement has taken place.
-

9. **Centennial**

Name: *Smoky Hill Rd./Himalaya St. Intersection Operational Improvement*

TIP ID: 2012-090

Project Phase: Initiate Construction

FY2015 Federal funding: \$475,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46978>

Centennial reports the project has been delayed due to increased cost and an attempt to revise the scope. The revised scope for the IGA is still in process, along with revised plans. It is anticipated the project can be advertised by June 2016.

Recommendation—DRCOG staff recommends the delay be approved subject to the following condition:

- Centennial and CDOT staff continue to aggressively pursue advertisement no later than the end of June 2016. If unachievable, Centennial and DRCOG staff shall discuss this project at the first of each month beginning in July 2016, until the project has been advertised.
-

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

10. CDOT ITS

Name: *CAD Integration*

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$80,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

CDOT reports the procurement has been delayed due to scope changes that took place with Denver after discussions started to scope out the project. Recently, discussions between Denver and CDOT have started back up, working their way to an executed IGA. It is anticipated procurement can take place in March 2016.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- CDOT staff continue to aggressively pursue procurement no later than the end of March 2016. If unachievable, CDOT and DRCOG staff shall discuss this project at the first of each month beginning in April 2016, until a project task order for procurement has been executed.
-

11. Greenwood Village

Name: *Implement Arterial Travel Time Monitoring System*

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$100,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

Greenwood Village reports the project's RFP was released in October.

Recommendation—*Since the project is no longer delayed, no conditions are placed upon it.*

12. Lakewood

Name: *Expand Arterial Travel Time Monitoring System*

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$249,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

Lakewood reports the project has been delayed due to a change in the way CDOT was going to allow them to procure the project. With a similar project in the past, Lakewood was allowed to use their staff and existing on-call contractors to implement the project. However, CDOT said Lakewood would have to issue a RFP. Lakewood also was reconsidering the type of technology for this project. It is anticipated procurement can take place in June 2016.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- Lakewood and CDOT staff continue to aggressively pursue advertisement no later than the end of June 2016. If unachievable, Lakewood and DRCOG staff shall discuss this project at the first of each month beginning in July 2016, until procurement has taken place.
-

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

13. Longmont

Name: Dry Creek Underpass: Hover St south of Bent Way

TIP ID: 2012-049

Project Phase: Initiate Construction

FY2015 Federal funding: \$1,358,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46072>

This project received ad concurrence to ad on December 30, 2015, and went to ad on January 6.

Recommendation— *Since the project is no longer delayed, no conditions are placed upon it.*

14. Sheridan

Name: West Oxford Ave: S. Clay St. to S. Federal Blvd. Reconstruct

TIP ID: 2012-060

Project Phase: Initiate Construction

FY2015 Federal funding: \$500,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46926>

Sheridan reports the project has all clearances to advertise, and it's been moved on to CDOT and FHWA to finalize. It is anticipated project advertisement will take place in early February 2016.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- Sheridan and CDOT staff continue to aggressively pursue project advertisement no later than February 2016. If unachievable, Sheridan and DRCOG staff shall discuss this project at the first of each month beginning in March 2016, until advertisement has taken place.
-

15. Thornton

Name: Install Conduit and Fiber to Interconnect Traffic Signals

TIP ID: 2005-026 (ITS Pool)

Project Phase: Initiate Procurement

FY2015 Federal funding: \$376,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/46673>

Thornton reports procurement has been delayed due to the 14 months it took to complete the IGA. Recently, design has started and it is anticipated procurement can take place in August 2016.

Recommendation—*DRCOG staff recommends the delay be approved subject to the following condition:*

- Thornton staff continue to aggressively pursue procurement no later than the end of August 2016. Thornton and DRCOG staff shall discuss this project at the first of each month beginning in June 2016, until the RFP is released.
-

TIP PROJECT DELAYS REPORT

End of Fiscal Year 2015

16. Thornton

Name: 124th Ave/Eastlake Station: Claude Court Realignment

TIP ID: 2012-117

Project Phase: Initiate Construction

FY2015 Federal funding: \$930,000

<http://www3.drcog.org/Trips/Project/2012-2017/details/47417>

Thornton reports the project has an executed IGA and all clearances. It is anticipated the project can advertise in early February.

Recommendation—DRCOG staff recommends the delay be approved subject to the following condition:

- Thornton and CDOT staff continue to aggressively pursue project advertisement no later than February 2016. If unachievable, Thornton and DRCOG staff shall discuss this project at the first of each month beginning in March 2016, until advertisement has taken place.
-

17. Thornton

Name: North Metro Rail Bicycle/Pedestrian Access to Four FasTracks Stations

TIP ID: 2012-081

Project Phase: Initiate Construction

FY2015 federal funding: \$1,354,000

<http://www3.drcog.org/trips/Project/2012-2017/details/46918>

This phase is contingent on the initiation and completion of the ROW phase that is currently second year delayed by January 28, 2016 (see #3). It is anticipated the construction phase of the project can be advertised in September 2016.

Recommendation—DRCOG staff recommends the delay be approved subject to the following condition:

- Thornton and CDOT staff continue to aggressively pursue project advertisement no later than September 2016. If unachievable, Thornton and DRCOG staff shall discuss this project at the first of each month beginning in March 2016, until advertisement has taken place.
-

ATTACHMENT E

To: Chair and Members of the Regional Transportation Committee

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

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Action	7

SUBJECT

DRCOG's transportation planning process allows for Board-approved amendments to the current Transportation Improvement Program (TIP), taking place on an as-needed basis. Typically, these amendments involve the deletion or addition of projects or adjustments to existing projects and do not impact funding for other projects in the TIP.

PROPOSED ACTION/RECOMMENDATIONS

DRCOG staff recommends approval of the proposed amendments because they comply with the Board adopted [TIP Amendment Policy](#).

ACTION BY OTHERS

[December 21, 2015](#) – TAC recommended approval.

SUMMARY

Projects to be amended are listed in the attachment. Highlighted items depict proposed changes. The proposed policy amendments to the [2016-2021 Transportation Improvement Program](#) have been found to conform with the State Implementation Plan for Air Quality.

2016-015 RTD Route #324 Frequency Improvements – update project scope and name

2016-055 I-25: 120th Ave. to E470 Managed Lanes – update project scope and add funds to project

- ***NOTE:** The original amendment recommended by TAC added \$25 million in "State (Bonds/Loans)" to the project to accommodate CDOT's decision to seek private financing (highlighted in yellow in the attachment). Following action by TAC on December 21, CDOT Region 4 requested a revision to this amendment to include an additional \$8.579 million (i.e., Bridge On-System, Hazard Elimination, and Water Quality funds) to implement additional elements previously anticipated to be stand-alone projects. The scope and funding table have been revised to accommodate this request and are highlighted in green. See attached email from CDOT describing the new project elements.*

2016-059 C-470 Managed Toll Express Lanes: Wadsworth to I-25 – transfer funds between fiscal years and funding types

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to recommend to the Board of Directors the attached amendments to the *2016-2021 Transportation Improvement Program* (TIP).

ATTACHMENTS

- Proposed TIP Amendments
- CDOT Region 4 email (January 12, 2016)

ADDITIONAL INFORMATION

If you need additional information, please contact Todd Cottrell, Senior Transportation Planner, Transportation Planning and Operations at (303) 480-6737 or tcottrell@drcog.org.

2016-015: Update project scope and name

Existing

Title: RTD Route #324 Frequency Improvements

Project Type: **Bus Service Projects (Expanded)**

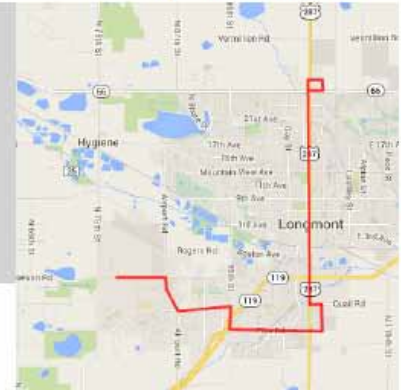
TIP-ID: 2016-015

STIP-ID:

Open to Public: 2016

Sponsor: Longmont

Project Scope
 This project will increase the weekday frequency on RTD route #324 from 30 minutes to 15 minutes during peak operating times.



Affected Municipality(ies)	Affected County(ies)	Project Phases	
Longmont	Boulder	Year	Phase
		2016	Initiate Bus Service - Year 1
		2017	Initiate Bus Service - Year 2
		2018	Initiate Bus Service - Year 3

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$392	\$392	\$392	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$98	\$98	\$98	\$0	\$0		
Total	\$0	\$490	\$490	\$490	\$0	\$0	\$0	\$1,470

Revised

Title: RTD Route #324 **Service** Improvements

Project Type: **Bus Service Projects (Expanded)**

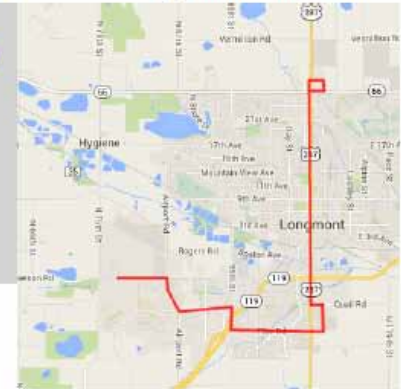
TIP-ID: 2016-015

STIP-ID:

Open to Public: 2016

Sponsor: Longmont

Project Scope
 This project will extend the weekday service hours and add Sunday service on RTD route #324.



Affected Municipality(ies)	Affected County(ies)	Project Phases	
Longmont	Boulder	Year	Phase
		2016	Initiate Bus Service - Year 1
		2017	Initiate Bus Service - Year 2
		2018	Initiate Bus Service - Year 3

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$392	\$392	\$392	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$98	\$98	\$98	\$0	\$0		
Total	\$0	\$490	\$490	\$490	\$0	\$0	\$0	\$1,470

2016-055: Update scope, add funding types and funds to project. New Bond/Loans funding is a traditional bank loan, backed by CDOT program funds, and will be paid back with toll revenue.

Existing

Title: I-25: 120th Ave to E-470 Managed Lanes

Project Type: Roadway Capacity

TIP-ID: 2016-055

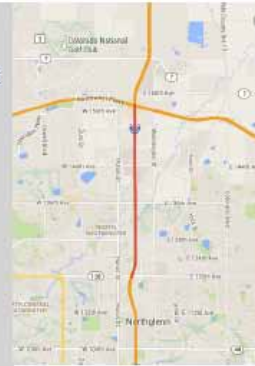
STIP-ID:

Open to Public: 2020

Sponsor: CDOT Region 4

Project Scope

This project will extend the existing and under construction managed lanes project (TIPID 2012-073), utilizing existing and new ROW. The project will result in one new managed lane in each direction from the current project's northern terminus near 120th Ave to E-470. Project will resurface the entire stretch, add traffic management, sound wall, and tolling/ITS equipment.



Affected Municipality(ies)	Affected County(ies)
Broomfield	Adams
Thornton	Broomfield
Westminster	
Unincorporated	

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		\$0
State (RMP)		\$44,000	\$0	\$0	\$0	\$0		\$0
State (Safety)		\$3,000	\$0	\$0	\$0	\$0		\$0
State (Surface)		\$0	\$0	\$0	\$12,000	\$0		\$0
Local		\$0	\$0	\$0	\$0	\$0		\$0
Total	\$11,000	\$47,000	\$0	\$0	\$12,000	\$0	\$0	\$70,000

Revised Funding Table

Title: I-25: 120th Ave to E-470 Managed Lanes

Project Type: Roadway Capacity

TIP-ID: 2016-055

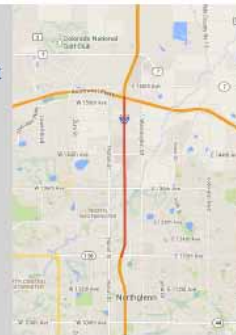
STIP-ID:

Open to Public: 2020

Sponsor: CDOT Region 4

Project Scope

This project will extend the existing and under construction managed lanes project (TIPID 2012-073), utilizing existing and new ROW. The project will result in one new managed lane in each direction from the current project's northern terminus near 120th Ave to E-470. Project will resurface the entire stretch, add traffic management, sound wall, tolling/ITS equipment **and safety, bridge and drainage improvements.**



Affected Municipality(ies)	Affected County(ies)
Broomfield	Adams
Thornton	Broomfield
Westminster	
Unincorporated	

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		\$0
Federal (BR)		\$0	\$979	\$0	\$0	\$0		\$0
Federal (Hazard)		\$2,000	\$4,500	\$0	\$0	\$0		\$0
Federal (Water Qty)		\$1,100	\$0	\$0	\$0	\$0		\$0
State		\$0	\$0	\$0	\$0	\$0		\$0
State (Bond/Loans)		\$0	\$25,000	\$0	\$0	\$0		\$0
State (RMP)		\$44,000	\$0	\$0	\$0	\$0		\$0
State (Safety)		\$3,000	\$0	\$0	\$0	\$0		\$0
State (Surface)		\$0	\$0	\$0	\$12,000	\$0		\$0
Local		\$0	\$0	\$0	\$0	\$0		\$0
Total	\$11,000	\$50,100	\$30,479	\$0	\$12,000	\$0	\$0	\$103,579

2016-059: Transfer funds to accurately reflect funding plan. Adjust Bond/Loans from local to state funding category to be consistent with other projects in the TIP, as the loans are backed by CDOT program funds.

Existing

Title: **C-470 Managed Toll Express Lanes: Wadsworth to I-25**

Project Type: **Roadway Capacity**

TIP-ID: **2016-059**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 1**

Project Scope

One tolled express lane in each direction on C-470. WB between I-25 and approximately Wadsworth and EB between approximately Platte Canyon and I-25, with auxiliary lanes in required locations. Safety and operational improvements between I-25 and Quebec St. Improvements to ramps including direct-connect ramps at I-25 and C-470.



Affected County(ies)

- Arapahoe
- Douglas
- Jefferson

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
State (Faster-S)		\$0	\$2,000	\$0	\$0	\$0		
State (RMP)		\$0	\$40,000	\$60,000	\$0	\$0		
Local		\$0	\$10,000	\$0	\$0	\$0		
Local (Bond/Loans)		\$0	\$44,000	\$96,000	\$105,000	\$0		
Total	\$0	\$0	\$96,000	\$156,000	\$105,000	\$0	\$0	\$357,000

Revised Funding Table

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (Bond/Loans)		\$0	\$44,000	\$90,000	\$104,700	\$0		
State (Faster-S)		\$0	\$2,000	\$0	\$0	\$0		
State (RMP)		\$0	\$32,630	\$60,000	\$0	\$0		
State (Safety)		\$0	\$6,300	\$0	\$0	\$0		
Local		\$0	\$10,000	\$0	\$0	\$0		
Total	\$7,370	\$0	\$94,930	\$150,000	\$104,700	\$0	\$0	\$357,000

From: Schneiders - CDOT, Karen [<mailto:karen.schneiders@state.co.us>]
Sent: Tuesday, January 12, 2016 8:29 AM
To: Doug Rex; Todd Cottrell; Will Soper
Cc: Paddock, Heather; Abra Geissler; Kathy Seelhoff; Keith Sheaffer; Daniel Marcucci
Subject: Clarifying the \$8.5 M amendment request for DRCOG

Doug, Todd & Will

Answering the question "What was added to change estimate from \$95 to \$103.5 Million?"

1. HSIP funds will replace center line barrier, widening shoulders and fix drainage issues that pose safety problems. \$6.5 Million
2. Water quality mitigation that was added to the scope to treat mainline drainage. \$1.0 Million
3. **Complete bridge replacement at the Bull Canal just south of 144th. The improvement involves building a concrete box culvert from the west interstate ROW all the way to the east interstate ROW to connect with the existing box culvert. \$1.0 million**

Each of these components were stand-alone projects that were recently rolled into the larger Managed Lanes project on I-25 from 120th Ave to E-470. By rolling these pieces in with the larger project, CDOT will realize better bids due economies of scale.

Karen Schneiders
Transportation Planner, Region 4



PLEASE NOTE ADDRESS CHANGE EFFECTIVE NOV 9, 2015

P 970.350.2172 c 970.310.5392

10601 West 10th Street, Greeley CO 80634

karen.schneiders@state.co.us | www.codot.gov | www.cotrip.org

ATTACHMENT F

To: Chair and Members of the Regional Transportation Committee

From: Steve Cook, MPO Planning Program Manager
303 480-6749 or scook@drcog.org

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Action	8

SUBJECT

This action is to confirm the seven (7) Special Interest seats on the Transportation Advisory Committee.

PROPOSED ACTION/RECOMMENDATIONS

Nominations were made by the DRCOG Board Chair, Jackie Millet.

ACTION BY OTHERS

N/A

SUMMARY

The Memorandum of Agreement between DRCOG, CDOT and RTD, adopted July 10, 2001, established the Transportation Advisory Committee (TAC) to assist the Board of Directors and the Regional Transportation Committee (RTC) by reviewing the work of the transportation planning process and working with staff to develop policy options and, as appropriate, recommendations to the RTC. Per this agreement, the DRCOG Board of Directors adopted the TAC committee description and operating procedures documented in the Prospectus, *Transportation Planning in the Denver Region*.

The seven (7) special interests members – Environment, Freight, Transportation Demand Management/Non-Motorized, Aviation, Business/Economic Development, Non-RTD Transit and Senior Interests – are nominated by the DRCOG Board Chair annually and confirmed by the Regional Transportation Committee. Chair Jackie Millet's nominations are attached. The only changes from the current year reflect the filling of the following vacant seats:

- | | |
|---------------------------|--|
| • Environmental member | Rick Pilgrim of HDR Engineering Inc. is nominated to be the new member. |
| • Aviation member | Tom Reed of Denver International Airport (DIA) is nominated to be the new member. |
| • Senior Interests member | Sylvia Labrucherie of the Denver Regional Mobility & Access Council (DRMAC) is nominated to be the new member. |

A full list of the Special Interest nominations is shown in Attachment 1. The appointments become effective with the first TAC meeting following RTC's confirmation.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to confirm the membership recommendations for the seven Special Interest seats on the Transportation Advisory Committee.

ATTACHMENT

1. Membership nominations

ADDITIONAL INFORMATION

If you need additional information, please contact Steve Cook, MPO Planning Manager, at 303 480-6749 or scook@drcog.org

ATTACHMENT 1

Transportation Advisory Committee Membership Nominations – December 2015

SPECIAL INTEREST SEATS

ENVIRONMENT

Member: Rick Pilgrim
Vice President, HDR Engineering, Inc.

FREIGHT

Member: Greg Fischer*
Senior Vice President, Shannon & Wilson, Inc.

TDM/NON-MOTORIZED

Member: Aylene McCallum*
Senior Manager, Transportation & Research, Downtown Denver Partnership

AVIATION

Member: Tom Reed
Airport Planner, Denver International Airport

BUSINESS/ECONOMIC DEVELOPMENT

Member: Steve Klausung*
Executive Vice President, Denver South Economic Development Partnership

SENIORS

Member: Sylvia Labrucherie
Board Member, Denver Regional Mobility & Access Council (DRMAC)

NON-RTD TRANSIT

Member: Lenna Kottke*
Executive Director, Special Transit

(Note – new Non-RTD alternate is: Hank Braaksma)

* = current TAC member

ATTACHMENT G

To: Chair and Members of the Regional Transportation Committee

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

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Information	9

SUBJECT

Federal law requires metropolitan planning organizations to produce for public review an annual listing of projects that receive federal obligation.

PROPOSED ACTION/RECOMMENDATIONS

No action requested. This item is an informational briefing.

ACTION BY OTHERS

N/A

SUMMARY

The enclosed report lists all transportation projects in the Denver region that were obligated with federal funds in federal Fiscal Year 2015 (October 1, 2014 – September 30, 2015).

A net total of \$305.8 million was obligated in FY 2015 for 69 transportation projects.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENT

Draft FY 2015 Annual Listing of Federally Obligated Projects

ADDITIONAL INFORMATION

If you need additional information, please contact Todd Cottrell, Senior Transportation Planner, at 303 480-6737 or tcottrell@drcog.org.



Annual Listing of Federally Obligated Projects

FY 2015 (October 1, 2014 - September 30, 2015)

January 20, 2016

Purpose of this Report

The Federal metropolitan transportation planning statute states:

“An annual listing of projects, including investments in pedestrian walkways and bicycle transportation facilities, for which Federal funds have been obligated in the preceding year shall be published or otherwise made available by the cooperative effort of the State, transit operator and metropolitan planning organization for public review. The listing shall be consistent with the categories identified in the TIP.”¹

FHWA defines obligation as the federal government’s legal commitment (promise) to pay or reimburse the states or other entities for the federal share of a project’s eligible costs². Thus, an obligated project is one that has been approved by the federal government for reimbursement, though not necessarily reimbursed yet. Obligated projects were not necessarily initiated or completed in this year. The obligated project cost reflected in this report also may not equal final project cost.

This report responds to the directive set forth in statute. It lists all surface transportation projects in the Denver region that were obligated in federal fiscal year 2015 (October 1, 2014 - September 30, 2015).

Background

The Denver Regional Council of Governments ([DRCOG](#)), an association of 56 local governments from the Denver metro area, promotes a regional perspective towards the most pressing issues facing the metropolitan area and addresses those issues through cooperative local government action. The DRCOG region includes Adams, Arapahoe, Boulder, Clear Creek, Douglas, Gilpin, Jefferson, and SW Weld counties, plus the City and County of Denver and the City and County of Broomfield.

DRCOG is the Metropolitan Planning Organization ([MPO](#)) for Broomfield, Denver, Douglas, and Jefferson counties, and portions of Adams, Arapahoe, Boulder, and Weld counties. MAP-21 requires, as a condition for spending federal highway or transit funds in urbanized areas, the designation of an MPO. The MPO has responsibility for planning, programming, and coordinating federal investments. The DRCOG MPO process creates a partnership among state, local government, and transit operators in providing transportation improvements.

DRCOG represents the perspectives of its local government members, while coordinating its planning efforts with the Colorado Department of Transportation ([CDOT](#)), the Regional Transportation District ([RTD](#)), the Regional Air Quality Council ([RAQC](#)), the Colorado Department of Public Health and Environment ([CDPHE](#)), the Federal Highway Administration ([FHWA](#)), and the Federal Transit Administration ([FTA](#)). DRCOG develops its positions by working with elected

¹ 23 U.S.C. 134 (j)(7)(B)

² Financing Federal Aid Highways Glossary. <http://www.fhwa.dot.gov/reports/fifahiw/ffahappa.htm>. February 20, 2015.

officials, staff from local governments and the above agencies, and the public through a committee system where the various issues are discussed and recommendations are made. Current committees include the [Regional Transportation Committee](#) and the [Transportation Advisory Committee](#). Working groups are also created and appointed, as need dictates.

Regional Transportation Plan

DRCOG develops a minimum 20-year regional transportation plan (RTP), called the Metro Vision RTP. The Metro Vision RTP is an element of the region's Metro Vision plan. The Metro Vision RTP includes the needed transportation system and the fiscally-constrained RTP. The fiscally-constrained RTP, required by federal law, identifies the multimodal transportation system that can be achieved over a minimum 20-year planning horizon with the "reasonably available" financial resources over that time. Federal law requires the fiscally-constrained plan to be updated at least every four years to validate air quality conformity.

Some types of projects (roadway capacity and rapid transit) must be included in the fiscally-constrained portion of an adopted conforming RTP, before they can be selected for Transportation Improvement Program (TIP) funding.

Transportation Improvement Program

The Transportation Improvement Program (TIP) is the adopted list of public transit, roadway, bicycle, pedestrian, air quality projects, and studies that will receive federal transportation funds in the near future. The TIP also includes the projects in the DRCOG area that are defined as regionally significant, regardless of funding. The TIP implements the fiscally-constrained RTP. DRCOG's TIP covers a six-year period, though specific projects and their funding levels are usually identified within the first four years.

The TIP covering FY2015 is the 2012-2017 TIP, and was adopted on March 16, 2011. It has been amended regularly since adoption. Some of the projects in this obligation report are from other TIP's.

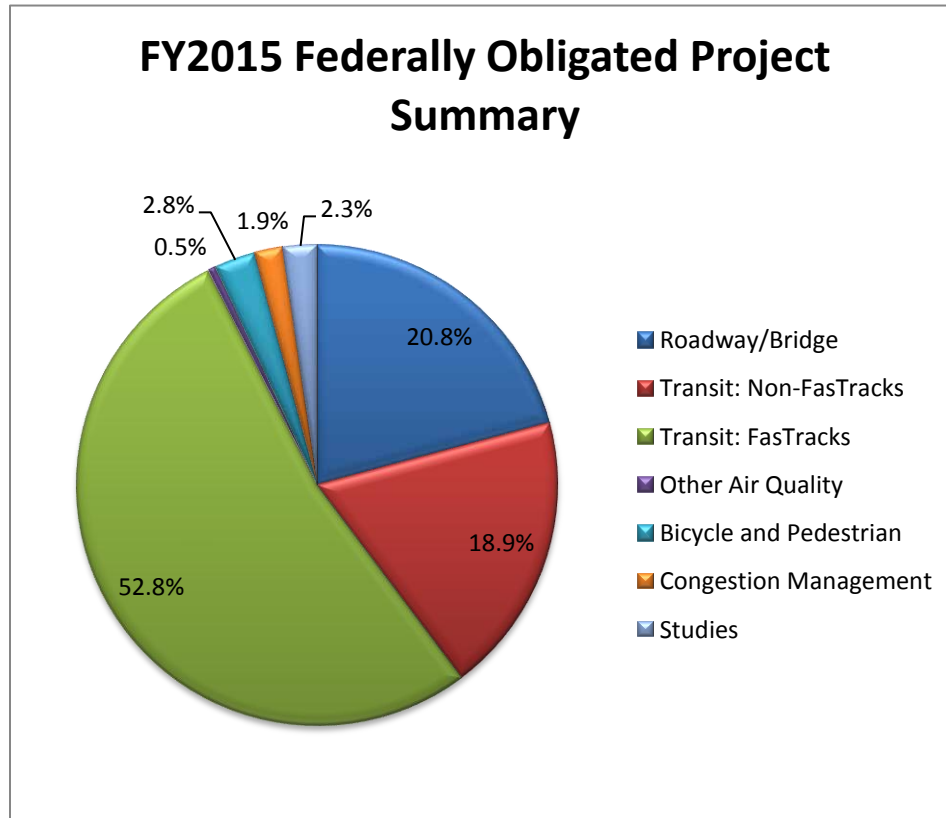
Public Involvement

DRCOG aims to proactively engage the public in the regional transportation planning process and embraces federal requirements that MPOs provide the public with complete information, timely public notice, full public access to key decisions, and early and continuing involvement in developing the RTP, TIP, and other products. DRCOG's public involvement strategies include presenting information and educating the public, continually soliciting public input, helping information flow between the public and decision makers, and considering and responding to public concerns.

Summary of Projects

A net total of \$305.8 million was obligated in FY2015 on 69 transportation projects. Some statistics regarding the FY2015 obligations include:

- \$161.3 million (52.8%) was for RTD FasTracks projects, \$63.7 million (20.8%) for roadway/bridge projects, \$57.8 million (18.9%) for non-FasTracks transit projects, \$8.5 million (2.8%) for bicycle and pedestrian projects³, \$6.9 million (2.3%) for studies, \$5.8 million (1.9%) for congestion management projects, and \$1.6 million (0.5%) for other air quality projects. The chart below illustrates these percentages:



- The largest project obligation (\$154.5 million or 50.6% of the total) went to RTD for the Eagle P-3 project to construct the East and Gold FasTracks corridors.
- Only 4 of the 69 projects had net obligations over \$10 million, yet those projects accounted for 71.7% of the net amount obligated (\$219.2 of the \$305.8 million).
- The mean amount obligated per project was \$4.7 million while the median amount obligated per project was \$565,130. Deobligations were not counted in these calculations.

³ Stand-alone bicycle and pedestrian projects only. Calculation does not include other projects with a bicycle/pedestrian element.

Obligation Report

This report is organized by TIP project sponsor. Information that is shown about each project includes:

- Sponsor, lists the agency that is financially responsible for the TIP project
- Project Name
- TIP Identification (TIP ID), is a unique number given to each project selected for inclusion into a DRCOG TIP
- Funding Type, identifies the federal program that funds the project
- Obligations, is the sum of all the obligations that occurred for that particular TIP project in FY2015
- Bike/Ped, indicates if bike/ped infrastructure is part of the project
- Total Cost, lists the total project cost in the TIP for the lifecycle of the project, regardless of the particular TIP cycle
- Federal Total, lists the total amount of federal transportation funds awarded in the most recent TIP that the project was active (may or may not be the current TIP)
- Total Federal Funds Remaining, lists the programmed federal transportation funds in the current TIP that are remaining for the project.

With federal funding being the focus of this obligation report, obligations of local or state funds are not presented herein. Non-federal funding would be included within the Total Cost column as part of the total overall project cost. For the purposes of this report in FY2015, federal funding was distributed through the following TIP categories:

- 1702-High Priority Projects are funds earmarked for particular projects by Congress within the SAFETEA-LU federal transportation bill.
- Bridge funds are for the replacement, rehabilitation, and widening of any public bridge.
- Congestion Mitigation/Air Quality can fund projects that reduce transportation-related emissions in non-attainment and maintenance areas for ozone, carbon monoxide, and small particulate matter.
- Faster Safety is a CDOT program to fund critical roadway safety projects. The funds depicted in this report are from federal sources only.
- Federal Emergency funds are allocated to repair damage from and mitigate future harm from an emergency, natural disaster, or other major unforeseen event.
- The RAMP program accelerates funding for projects on the state highway system and transit projects. It is a CDOT program, but the funds depicted in this report are from federal sources only.
- Regional Priority Projects typically fund construction, widening, and reconstruction on roadways on the state highway system.
- Safety funds typically fund projects that reduce the number and severity of crashes.
- Section 5307 fund capital, maintenance, operations, and planning assistance for mass transportation in urbanized areas.
- Section 5309 fund mass transit capital projects, regional rapid transit system construction, and studies to plan and implement the above.

- Section 5310 fund capital assistance grants to private non-profit organizations to serve the transportation needs of elderly persons and persons with disabilities.
- Section 5311 fund capital and operating assistance grants for transit service in non-urbanized areas.
- Section 5316, or the Job Access and Reverse Commute (JARC) program, funds projects to address the unique transportation challenges faced by welfare recipients and low-income persons seeking to obtain and maintain employment.
- Section 5317, or the New Freedom program, can fund projects that seek to reduce barriers to transportation services and expand the transportation mobility options available to people with disabilities beyond the requirements of the Americans with Disabilities Act (ADA) of 1990.
- Section 5337, or State of Good Repair funds are FTA grants intended to repair and upgrade rail transit systems and high-intensity bus transit systems that use high-occupancy vehicle lanes.
- Section 5339 funds are FTA funds to be used to replace, rehabilitate, and purchases buses and other transit vehicles as well as to construct bus-related facilities.
- STP-Enhancement can fund such projects as bicycle/pedestrian projects, historic preservation projects, environmental mitigation projects, transportation museum projects, landscaping and beautification projects, and conversion of rails-to-trails projects. The projects must relate to surface transportation.
- STP-Metro is a flexible funding category typically used to fund roadway reconstruction, roadway operational improvements, roadway widening, new roadway, new interchanges, interchange reconstruction, and studies.
- Surface Treatment funds are used for repaving and resurfacing on the State Highway System.
- Transportation Commission Contingency Reserve Funds are CDOT Transportation Commission controlled funds to be used at its. The funds depicted in this report are from federal sources only.
- Transportation, Community, and System Preservation (TCSP) funds can be used for planning grants, implementation grants, and research to investigate and address the relationships between transportation, community, and system preservation and to identify private sector-based initiatives.
- The Workforce Initiative Now (WIN) program brings transportation, education, and business leaders together to train, hire, develop and retain transit workers eager to work on federally-funded transportation infrastructure projects.

Some projects include a mixture of different TIP funding categories, and thus one project line under one funding source does not necessarily equal the total obligated funding for that project.

This report also contains deobligations, depicted with (). Deobligation occurs when CDOT has to return the promise of funds to the federal government. Deobligation can occur for several reasons including:

- Bids come in at a lower amount than the obligation amount for a project. After the project bid is accepted, the remaining funds are returned and shown as a negative obligation.

-
- Advanced construction projects (where the sponsor first pays the cost and is reimbursed later) often result in a deobligation because first the project must be obligated and then deobligated when the sponsor agrees to pay the costs of the project. The project is then finally obligated again when it is time for the federal government to reimburse the sponsor.
 - A project phase is closed out causing the remaining funds to be deobligated out of that phase. This must happen before the funds can be obligated into another phase for the same project⁴.
 - After a project is complete and all bills are paid, any remaining obligation authority is returned to the federal government and is shown as a deobligation. Project closeouts can sometimes take place many years after the project was actually completed.

The table also identifies which projects contain elements improving pedestrian and/or bicycling infrastructure. In some cases, this is a pedestrian and bicycle-only project (reflected in the previous pie chart). In most circumstances, the pedestrian and bicycle components are part of a larger project. Since deobligations by definition are not current “investments”, their bike/ped applicability is shown as not applicable (N/A).

Descriptions of the projects that are contained in this report can be found within the TIP documents, which are available at <https://drcog.org/programs/transportation-planning/transportation-improvement-program> or by using the searchable online database of transportation projects in the MPO area, [TRIPS](#). The table below is based on records obtained from CDOT, RTD, and FTA, as DRCOG does not directly participate in the obligation process.

⁴ This report does not include the project phases.

Sponsor	Project Name	TIP ID	Funding Type	Obligations	B/P	Total Cost	Fed. Total	Fed. Funds Remaining
Arapahoe County	Highline Canal Trail: Iliff Avenue Bike/Ped Underpass	2008-094	STP Enhancement/TAP	\$156,482	Yes	\$2,300,000	\$1,800,000	\$0
Arapahoe County	I-25/Arapahoe Rd Interchange Reconstruction	2012-043	STP Metro	\$2,192,846	No	\$69,000,000	\$4,200,000	\$0
Arvada	West 72nd Ave. Bike/Ped Project	2008-096	STP Enhancement/TAP	\$18,837	Yes	\$465,000	\$372,000	\$0
Arvada	Kipling Pkwy Underpass: Van Bibber Trail Extension from W 56th Pl to Grandview Ave	2012-045	STP Metro	\$26,916	Yes	\$2,000,000	\$1,600,000	\$0
Aurora	Nine Mile Station: Bike/Ped Access Improvements	2012-071	STP Enhancement/TAP	\$33,944	Yes	\$619,000	\$476,000	\$0
Boulder	Pearl Pkwy: 30th St to Foothills Pkwy/SH-157	2012-001	CMAQ	\$3,106,403	Yes	\$5,000,000	\$4,000,000	\$0
Boulder	SH-119 Reconstruction: 28th/US-36 to East of 30th St	2012-039	STP Metro	\$120,019	Yes	\$4,400,000	\$2,800,000	\$0
Boulder	Foothills Pkwy/SH-157 Operational Improvements: Diagonal Hwy to Valmont Rd	2012-040	STP Metro	\$414,684	Yes	\$830,000	\$600,000	\$0
Boulder	28th St/US-36 Multi-use Bike/Ped Path: Iris Ave to Yarmouth Ave	2012-055	STP Enhancement/TAP	\$34,713	Yes	\$2,224,000	\$1,224,000	\$0
Boulder County	SH-119/Airport Rd Bike/Ped Underpass: City of Longmont	2012-058	CMAQ	\$815,000	Yes	\$2,488,000	\$1,057,000	\$0
Boulder County	SH-119/Airport Rd Bike/Ped Underpass: City of Longmont	2012-058	STP Metro	\$142,000	Yes	\$2,488,000	\$1,057,000	\$0
Brighton	US- 85: Bromley Rd New Interchange	2005-137	1702- High Priority Projects	\$169,397	No	\$2,975,000	\$1,044,000	\$0
Broomfield County	120th Ave Connection: Wadsworth Blvd to US-287	2007-029	STP Metro	\$5,092,755	Yes	\$80,073,000	\$20,914,000	\$0
CDOT	Safe Routes to School Pool	2007-144	Safety	\$248,138	Yes	\$4,909,000	\$0	\$0
CDOT	CDOT Job Access/Reverse Commute Pool	2012-069	Section 5316 JARC	\$97,668	No	\$840,000	\$488,000	\$0
CDOT	Enhanced Mobility for Elderly and Disabled (FTA 5310)	2012-107	Section 5310	\$1,075,230	No	\$7,960,000	\$1,305,000	\$1,305,000
CDOT	Operating and Capital (FTA 5311)	2016-065	Section 5311	\$535,260	No	\$642,000	\$535,000	\$535,000
CDOT Region 1	East I-70 Corridor: Environmental Study (I-25/Pena Blvd)	2001-259a	RPP (Federal Funding Obligations)	\$6,065,681	No	\$29,771,000	\$0	\$0
CDOT Region 1	US-285: Foxton Rd to Richmond Hill Rd Widening	2003-124	RPP (Federal Funding Obligations)	(\$36,852)	N/A	\$28,126,000	\$0	\$0

Sponsor	Project Name	TIP ID	Funding Type	Obligations	B/P	Total Cost	Fed. Total	Fed. Funds Remaining
CDOT Region 1	Region 1 Hazard Elimination Pool	2007-073	Safety	\$6,236,262	No	\$22,485,000	\$0	\$0
CDOT Region 1	Region 1 Hot Spot Pool	2007-074	Safety	\$25,379	No	\$5,151,000	\$0	\$0
CDOT Region 1	Region 1 Safety (Surface Treatment) Enhancement Pool	2007-076	Safety	\$4,690	No	\$4,109,000	\$0	\$0
CDOT Region 1	Region 1 Bridge On-System Pool	2007-078	Bridge On-System	\$2,686,856	No	\$40,084,000	\$0	\$0
CDOT Region 1	Region 1 Bridge Off-System Pool	2007-079	Bridge Off-System	\$138,683	No	\$624,000	\$0	\$0
CDOT Region 1	Region 1 Surface Treatment Pool	2007-096	Surface Treatment (Federal Funding Obligations)	\$14,376,311	No	\$190,800,000	\$0	\$0
CDOT Region 1	I-25: Santa Fe Dr to Alameda Ave Interchange Improvements (Valley Hwy Phases I and II)	2007-158	Faster Safety (Federal Funding Obligations)	(\$1,381,280)	N/A	\$144,226,000	\$0	\$0
CDOT Region 1	SH-79 Realignment & Grade Separation/Flyover (Bennett)– PEL Study	2008-116	RPP (Federal Funding Obligations)	\$29,160	No	\$300,000	\$0	\$0
CDOT Region 1	US-36: Wetland Mitigation	2008-117	RPP (Federal Funding Obligations)	(\$116,043)	N/A	\$2,950,000	\$0	\$0
CDOT Region 1	I-25 North PEL Action Items	2012-063	RPP (Federal Funding Obligations)	\$64,771	No	\$17,500,000	\$0	\$0
CDOT Region 1	I-76/136th: Concrete Pavement/Culvert Repairs	2012-119	TC Contingency	\$1,959,361	No	\$1,800,000	\$0	\$0
CDOT Region 1	C-470 Managed Toll Express Lanes: Wadsworth to I-25	2016-059		\$3,061,985	No	\$357,000,000	\$0	\$0
CDOT Region 1	Region 1 FASTER Pool	2008-076	Faster Safety (Federal Funding Obligations)	\$790,034	No	\$66,787,000	\$0	\$0
CDOT Region 4	Region 4 Hazard Elimination Pool	2007-094	Safety	\$595,000	No	\$15,785,000	\$0	\$0
CDOT Region 4	Region 4 Surface Treatment Pool	2007-095	Surface Treatment (Federal Funding Obligations)	\$3,256,311	No	\$43,740,000	\$0	\$0
CDOT Region 4	Region 4 FASTER Pool	2008-077	Faster Safety (Federal Funding Obligations)	\$73,123	No	\$5,000,000	\$0	\$0
CDOT Region 4	Boulder B-Cycle and Commercial Corridors Expansion Project	2012-102	TCSP Discretionary	\$438,616	Yes	\$550,000	\$440,000	\$0

Sponsor	Project Name	TIP ID	Funding Type	Obligations	B/P	Total Cost	Fed. Total	Fed. Funds Remaining
CDOT Region 4	Region 4 RAMP Project Pool	2012-109	RAMP (Federal Funding Obligations)	\$45,476	No	\$14,646,000	\$0	\$0
CDOT Region 4	Region 4 2013 Flood-Related Projects Pool	2012-116	Federal Emergency	\$2,135,304	No	\$129,512,000	\$51,208,000	\$51,208,000
Commerce City	Commerce City to Denver CBD Regional Bus Service	2012-088	CMAQ	\$148,000	No	\$555,000	\$444,000	\$0
Denver	Federal Blvd: Alameda Ave to 6th Ave Widening	2001-169	STP Metro	\$297,323	Yes	\$29,352,000	\$4,045,000	\$0
Denver	Bear Creek Trail: Fenton Street to Lamar Street	2007-017	STP Enhancement/TAP	\$20,220	Yes	\$863,000	\$475,000	\$0
Denver	Colorado Center Bike/Ped Bridge: Colorado Center to Jewell & Bellaire	2008-001	STP Enhancement/TAP	\$2,667,097	Yes	\$8,000,000	\$4,000,000	\$0
Denver	Confluence Bike/Ped Ramps Upgrade: South Platte Greenway	2012-003	STP Enhancement/TAP	\$149,467	Yes	\$3,457,000	\$2,765,000	\$0
Denver	Denver Traffic Signal System Upgrade: Citywide	2012-011	CMAQ	\$784,674	No	\$7,185,000	\$4,800,000	\$0
Denver	Peoria St/Smith Rd RR Grade Separation	2012-044	STP Metro	\$3,674,229	Yes	\$57,187,000	\$32,187,000	\$0
Douglas County	Quebec St/C-470 Bike/Ped Bridge: County Line Rd to Park Meadows Dr	2012-059	CMAQ	\$412,496	Yes	\$850,000	\$500,000	\$0
Douglas County	I-25: Ridgeway Pkwy to County Line Rd Lane Balancing and Widening	2012-096	Faster Safety (Federal Funding Obligations)	\$2,389,184	Yes	\$32,000,000	\$10,400,000	\$0
Douglas County	I-25: Ridgeway Pkwy to County Line Rd Lane Balancing and Widening	2012-096	STP Metro	\$10,150,000	Yes	\$32,000,000	\$10,400,000	\$0
DRCOG	Regional Traffic Signal System Improvement Program	1997-045	CMAQ	\$2,135,466	No	\$68,895,000	\$15,550,000	\$0
DRCOG	Regional Transportation Demand Management (TDM) Program Pool	1999-097	CMAQ	\$1,156,102	No	\$8,318,000	\$6,654,000	\$6,654,000
DRCOG	Regional Intelligent Transportation System Pool	2005-026	CMAQ	\$356,332	No	\$13,078,000	\$3,550,000	\$0
DRCOG	Station Area Master Plan/Urban Center Studies Pool	2007-089	CMAQ	\$880,000	No	\$3,200,000	\$2,400,000	\$2,400,000
DRCOG	Regional TDM Program: Way to Go	2012-064	CMAQ	\$1,438,076	No	\$7,652,000	\$7,200,000	\$7,200,000
Federal Heights	US-287 (Federal)/92nd Ave Intersection Operations Improvements	2012-072	STP Metro	\$5,540	No	\$5,671,000	\$3,970,000	\$0
Golden	Golden Circulator Bus: West Corridor end of line to Downtown Golden	2012-015	CMAQ	\$446,000	No	\$1,847,000	\$1,237,000	\$0

Sponsor	Project Name	TIP ID	Funding Type	Obligations	B/P	Total Cost	Fed. Total	Fed. Funds Remaining
HPTE	US-36: Boulder to I-25 Managed Lanes/BRT	2008-114	STP Metro	\$8,954	Yes	\$725,300,000	\$0	\$0
Lakewood	Wadsworth Roadway Capacity Project: 10th Ave to 14th Ave	2012-036	STP Metro	\$5,398,320	Yes	\$7,801,000	\$6,240,000	\$0
Lyons	US-36 - Lyons Streetscape: Stone Canyon Rd to 3rd Ave	2012-009	STP Enhancement/TAP	\$216,509	Yes	\$2,228,000	\$1,781,000	\$0
Parker	SH-83: Lincoln Avenue Intersection Improvements	2008-020	STP Metro	\$19,603	Yes	\$398,000	\$280,000	\$0
RAQC	New Energy Fleets Collaborative	2008-004	CMAQ	\$143,614	No	\$5,323,000	\$4,169,000	\$0
RAQC	Advanced Fleet Technology Project	2012-012	CMAQ	\$993,837	No	\$7,652,000	\$6,121,000	\$0
RAQC	Ozone Aware	2012-013	CMAQ	\$437,520	No	\$2,080,000	\$1,663,000	\$0
RTD	RTD Preventive Maintenance: Transit Vehicle Overhaul and Maintenance	1997-084	Section 5307	\$37,706,630	No	\$409,123,000	\$340,883,000	\$340,883,000
RTD	State of Good Repair	1999-052	Section 5337 State of Good Repair	\$7,594,603	No	\$81,000,000	\$66,000,000	\$66,000,000
RTD	FasTracks Projects: DRCOG First Commitment Pool	2007-044	CMAQ	\$5,950,000	No	\$75,000,000	\$32,000,000	\$8,000,000
RTD	RTD New Freedom Pool	2007-065	Section 5317 New Freedom	\$97,924	No	\$5,427,000	\$1,250,000	\$0
RTD	FasTracks Eagle P-3 Corridors (Gold and East Line)	2008-111	Section 5309 New Start	\$150,000,000	No	\$1,913,005,000	\$364,600,000	\$364,600,000
RTD	FasTracks Eagle P-3 Corridors (Gold and East Line)	2008-111	STP Metro	\$4,584,000	No	\$1,913,005,000	\$364,600,000	\$364,600,000
RTD	RTD Regional Workforce Initiative Now (WIN)	2012-068	Workforce Initiative Now	\$663,256	No	\$1,558,000	\$974,000	\$176,000
RTD	RTD Capital Improvements: Bus and Facilities Funding	2012-108	Section 5339	\$4,497,304	No	\$38,273,000	\$31,894,000	\$31,894,000
RTD	Colfax Transit Priority	2012-120	Section 5309 New Start	\$4,999,000	Yes	\$6,699,000	\$4,999,000	\$0
Wheat Ridge	Wadsworth Blvd Widening: W 35th Ave to W 46th Ave PEL Study	2012-094	STP Metro	\$622,645	No	\$1,200,000	\$636,000	\$0

Grand Total of Obligations

\$305,773,045



Denver Regional Council of Governments
1290 Broadway, Suite 700
Denver, CO 80203-5606

www.drcog.org - 303-455-1000

ATTACHMENT H

To: Chair and Members of the Regional Transportation Committee

From: Jacob Riger, Long Range Transportation Planning Coordinator
303-480-6751 or jriger@drcoq.org

Meeting Date	Agenda Category	Agenda Item #
January 19, 2016	Information	10

SUBJECT

Status update on freight and goods movement for the new *Metro Vision Regional Transportation Plan (MVRTP)*.

PROPOSED ACTION/RECOMMENDATIONS

N/A

ACTION BY OTHERS

N/A

SUMMARY

As part of developing the new MVRTP, staff is elevating the role of freight and goods movement within the new plan, which will have much more information than the freight section of the 2035 MVRTP. Freight and goods movement is receiving greater emphasis at both the federal and state level. DRCOG's *2016-2017 Unified Planning Work Program* also has a task to develop a Regional Freight Movement Study.

DRCOG staff is working closely with TAC, CDOT, and the freight community to prepare the freight section of the new MVRTP. For example, staff is using CDOT's freight movement data for consistency. Staff is also participating on the statewide Freight Advisory Council (FAC) convened by CDOT, and will be seeking the FAC's input on a draft freight section in early 2016. The draft freight section will cover many topics traditionally important to freight, as well as technology and other evolving topics being raised by the FAC and other stakeholders.

DRCOG staff will provide a status update on freight and goods movement for the new MVRTP at the December RTC meeting (presentation attached), as well as a summary of TAC input on freight issues from the November TAC meeting.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

N/A

ATTACHMENT

Staff presentation: MVRTP freight and goods movement overview

ADDITIONAL INFORMATION

If you need additional information, please contact Jacob Riger, Long Range Transportation Planning Coordinator, at (303) 480-6751 or jriger@drcoq.org.



Metro Vision
A program of DRCOG

MVRTP Freight & Goods Movement Overview

RTC – January 19, 2016



Freight & Goods Movement Overview

Purpose: Data, education, issues

Context

- ◆ Federal & state emphasis (MAP-21)
 - Coordinate with CDOT process (Freight Advisory Council)
- ◆ UPWP task – Regional Freight Movement Study



Draft Freight Topics

Introduction

- What is freight & goods movement?

MAP-21 Guidance

- National goals
- Planning factors

Stakeholder Input

- Outreach activities, events
- Key concerns/input

Network & Facilities

- Network definitions
- Profiles by mode
- Multimodal terminals
- Safety
- RR crossings
- Warehousing
- Hazmat

Commodity Flows

- Imports/exports
- In-state, out-of-state
- By weight & value
- Truck, rail
- 2010, 2040

Other Topics

- MVRTP projects/strategies
- Operations & technology
- Air quality



What is freight & goods movement?



Trucking



Railroads



**Multimodal
Terminal**



Aviation

(photo courtesy DIA)



▼ Shipment Progress

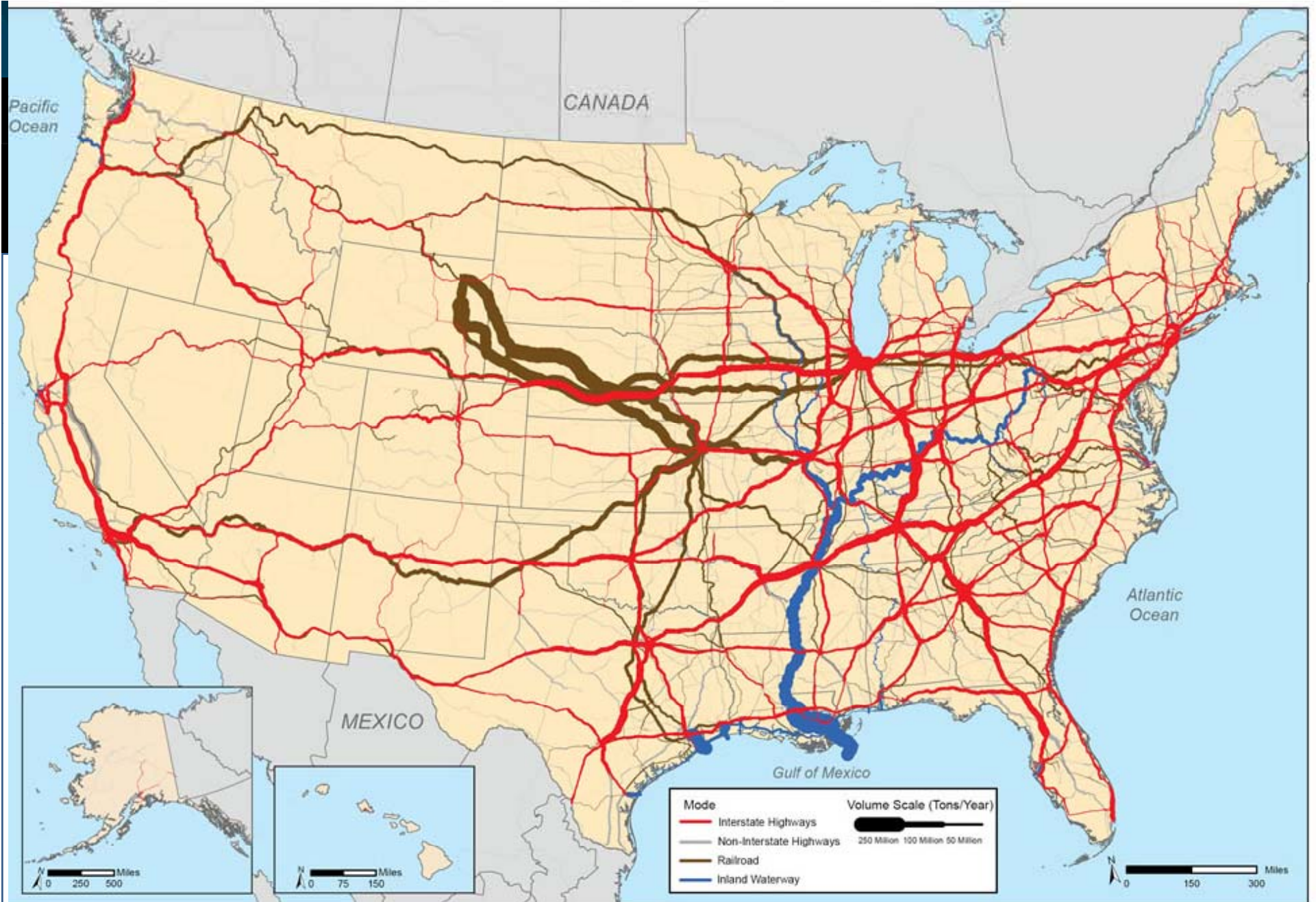
Location	Date	Local Time	Activity
DENVER, CO, US	10/29/2015	3:39 P.M.	Delivered
Commerce City, CO, United States	10/29/2015	5:22 A.M.	Out For Delivery
	10/29/2015	12:45 A.M.	Arrival Scan
Hodgkins, IL, United States	10/27/2015	5:18 P.M.	Departure Scan
Hodgkins, IL, United States	10/26/2015	10:32 P.M.	Arrival Scan
Shepherdsville, KY, United States	10/26/2015	6:00 P.M.	Departure Scan
	10/26/2015	5:23 P.M.	Origin Scan
United States	10/26/2015	7:41 P.M.	Order Processed: Ready for UPS





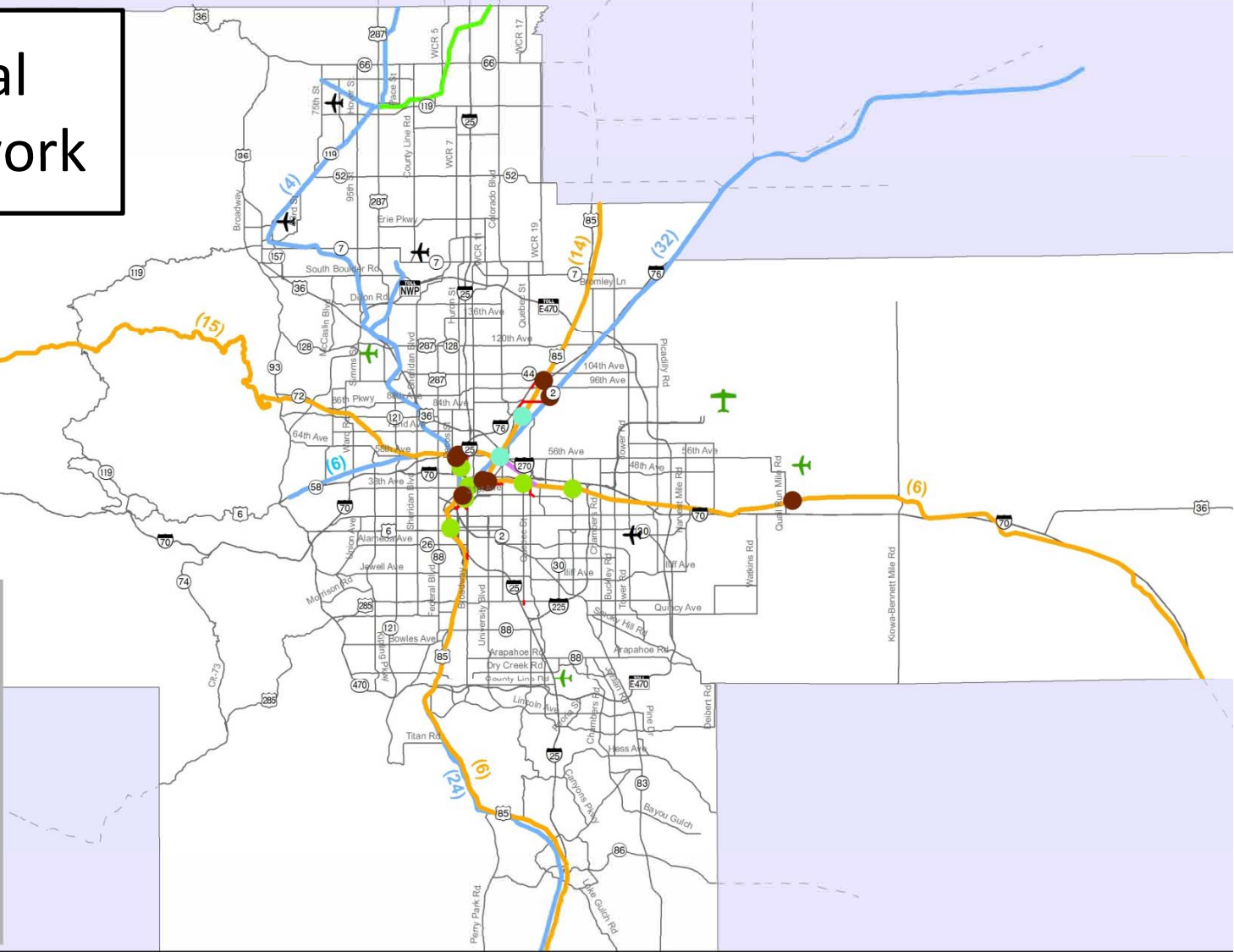
Stakeholder Input

- ◆ Roadway congestion: reliability, cost, logistics
- ◆ Safety at rail/highway crossings, quiet zones
- ◆ Roadway design, turning radii
- ◆ Deficient bridges, poor roadway conditions
- ◆ Truck pull-offs & parking
- ◆ Delivery time restrictions
- ◆ *And many others...*



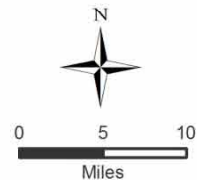
2010 Freight Flows by Highway, Railroad & Waterway

Multimodal Freight Network



LEGEND

- Union Pacific Railway
- BNSF Railway
- Great Western Railroad
- Denver Rock Island Railroad
- (#) Approximate Number of Trains Per Day (2004)
- National Highway System Connectors
- Rail-Truck Transfer Facility
- Pipeline Terminal
- Rail Yard
- ✚ Air Cargo Operation



SOURCE DATA
Enter all data sources here, included

This data is intended for informational purposes only. DRCOG provides an "as is" basis and makes no representation or warranty, either that the data will be error free. DRCOG makes no guarantees, representations or express or implied, as to the completeness of the data, or as to the fitness of the data for a particular use. DRCOG is not responsible to any user for any liabilities or damages arising from the data or from any use of the data.

Projection: State Plane Colorado C

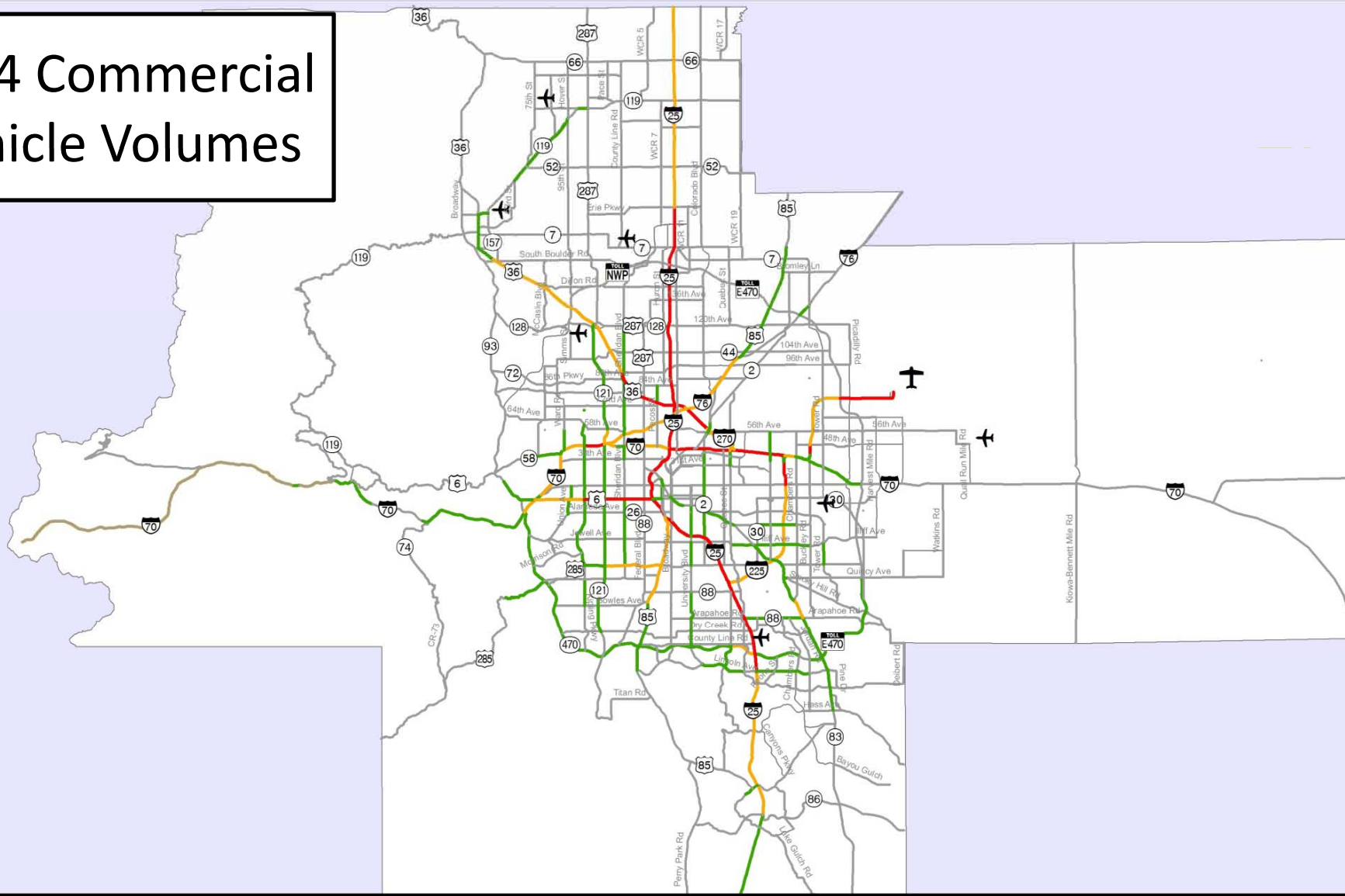
Example of Multimodal Freight Terminals and NHS Intermodal Connector Roads



Kaneb Pipeline Transfer (80th)

BNSF Auto Transfer (88th)

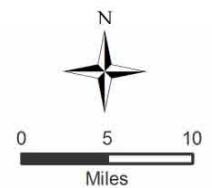
2014 Commercial Vehicle Volumes



2014 Commercial Vehicle Volumes per Day

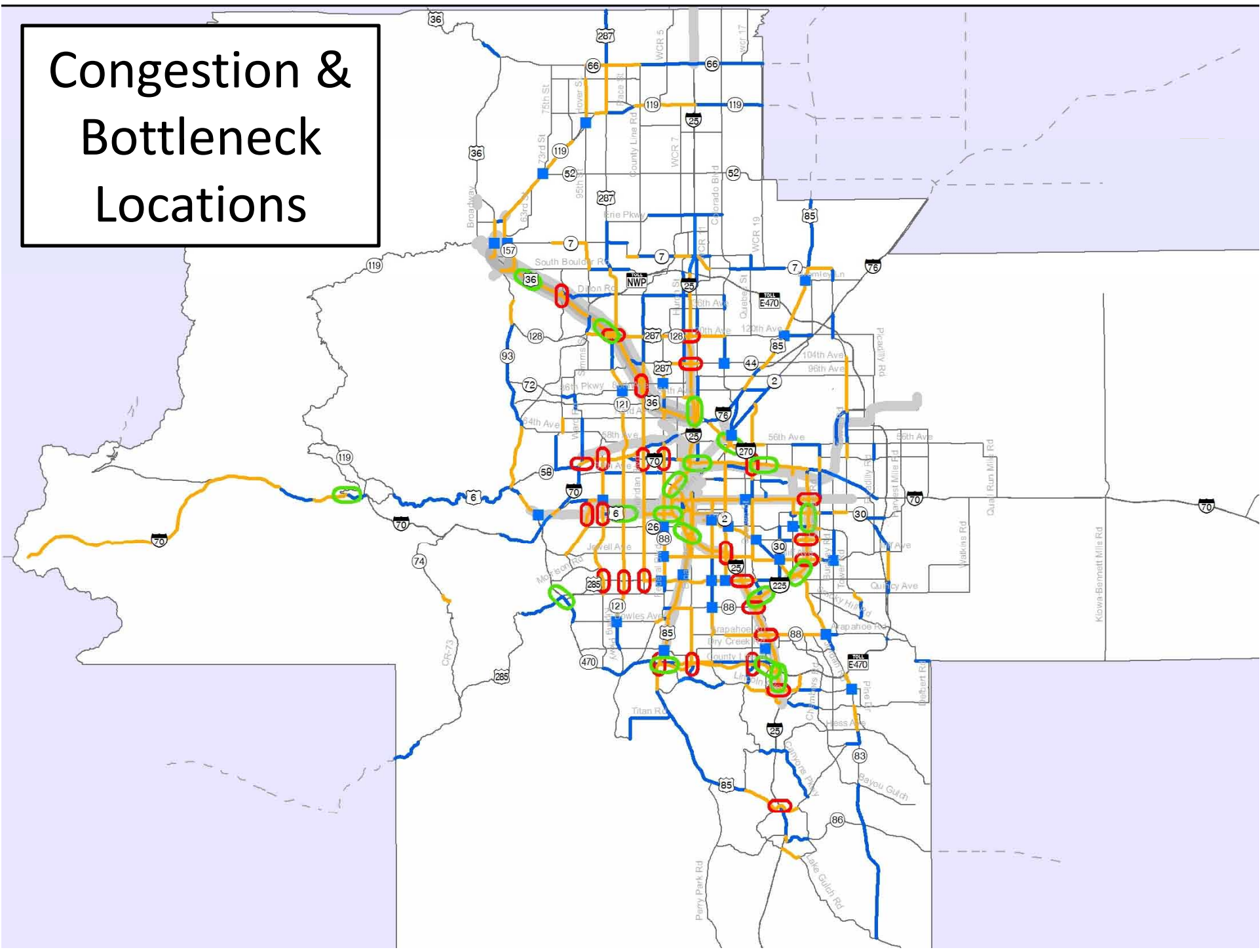
- < 5,000
- 5,000 - 10,000
- 10,000 - 15,000
- >15,000

LEGEND



SOUP
 Enter all data sources here
 This data is intended for informational purposes only. DRCC does not warrant the accuracy, completeness, or fitness of the data for a particular purpose. DRCC is not responsible for any liabilities or damages arising from the use of this data.
 Projection: State Plane C

Congestion & Bottleneck Locations



Export Commodity Flows

Commodity	2010 Existing		2040 Forecast	
	Tons	Percent	Tons	Percent
Warehouse & Distribution Center	2,580,580	12%	4,469,500	12%
Gravel or Sand	2,197,050	10%	3,674,070	10%
Ready-mix Concrete, Wet	2,175,630	10%	4,511,520	12%
Concrete Products	1,784,190	8%	3,539,820	10%
Malt Liquors	1,653,190	8%	1,982,880	5%
Asphalt Paving Blocks or Mix	1,035,290	5%	937,950	3%
Other Commodities	10,145,190	47%	17,745,650	48%
Total Tonnage	21,571,120	100%	36,861,390	100%

Commodity	2010 Existing		2040 Forecast	
	Value	Percent	Value	Percent
Warehouse & Distribution Center	\$2,738,910,550	10%	4,743,728,330	6%
Missile or Space Vehicle Parts	\$1,652,912,180	6%	3,668,958,830	5%
Electronic Data Processing Equip.	\$1,565,718,120	5%	7,613,461,930	10%
Malt Liquors	\$1,517,309,710	5%	1,819,391,540	2%
Orthopaedic or Prosthetic Supplies	\$1,004,238,680	3%	4,525,069,570	6%
Rail Intermodal Drayage from Ramp	\$941,645,050	3%	2,473,170,180	3%
Misc. Plastic Products	\$845,860,200	3%	2,028,632,810	3%
Drugs	\$687,976,570	2%	2,477,405,670	3%
Solid State Semiconductors	\$169,017,800	1%	5,741,746,760	8%
Other Commodities	\$17,700,284,860	61%	38,781,659,150	52%
Total Value	\$28,823,873,720	100%	73,873,224,770	100%

98% of exports
by truck



November TAC Initial Input

Topics to add/expand:

- ◆ Funding realities & project benefits
- ◆ Role of technology
- ◆ Importance of signage & striping
- ◆ Ramps, merging/weaving, congestion issues
- ◆ Blocked rail crossings, tank cars, quiet zones
- ◆ Grade separations
- ◆ More on bottlenecks, deficient bridges, aging infrastructure







MVRTP Status & Schedule

- ◆ Draft in progress
- ◆ Finish freight, bicycle/pedestrian, transit sections
- ◆ Integrate Metro Vision content
- ◆ Adopt MVRTP in mid-2016



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Thank You!