

To: Chair and Members of the Board of Directors

From: Jennifer Schaufele, Executive Director
303 480-6701 or jschaufele@drcog.org

Meeting Date	Agenda Category	Agenda Item #
July 20, 2016	Action	9

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 adding new projects or adjusting 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

[May 23, 2016](#) TAC recommended approval.
July 19, 2016 RTC will act on a recommendation.

SUMMARY

The proposed amendments are organized into two separate sets of amendments.

1. DRCOG "Second Commitment in Principle" to FasTracks Amendments

In July 2008, the DRCOG Board approved a "second commitment in principle" (SCIP) to FasTracks corridors in which specific dollar amounts were identified for eleven corridors (see Attachment 1). TIP funding was made available from FY2012 through FY2019.

To date, seven of the eleven corridors have programmed their full SCIP funding by reaching a corridor consensus on projects and submitting requests to DRCOG to program the funds. Of the remaining four corridors, three corridors have yet to request any allocation, while the Northwest Corridor received a partial SCIP distribution in 2012.

In early May 2016, the Northwest Corridor partners submitted a request for another partial distribution (\$5.058 million) of its remaining \$6.803 million SCIP funding to go to four new projects (Attachment 2) as part of the TIP policy amendments. (Note: Per the adopting resolution, "...*jointly-endorsed consensus requests may be submitted to DRCOG at any time and the Board of Directors, through the MPO process, will act on them as Policy Amendments to the then-adopted Transportation Improvement Program at its next scheduled opportunity.*").

The projects described below and in Attachment 3 are proposed to be amended into the 2016-2021 TIP. Highlighted items in the attachment depict proposed changes. These projects are in conformance with the State Implementation Plan for Air Quality and are described as follows:

- **2012-010: DRCOG Second Commitment to FasTracks Pool**
Funds will be removed from the pool to reflect the Northwest Corridor Partners' partial drawdown of their allocated funds. Fund fiscal years will be changed to reflect actual year of expenditure.
- **New Project: City of Boulder Quiet Zones**
 - The project will construct quiet zones along the BNSF corridor in the City of Boulder using funds from TIPID 2012-010 DRCOG Second Commitment to FasTracks Pool as agreed upon by the Northwest Corridor Partners.
- **New Project: Boulder County Quiet Zones**
 - The project will construct quiet zones along the BNSF corridor in Boulder County using funds from TIPID 2012-010 DRCOG Second Commitment to FasTracks Pool as agreed upon by the Northwest Corridor Partners.
- **New Project: Longmont Rail Road Bridge Replacement**
 - The project will replace a deficient BNSF bridge that is part of the FasTracks system within the City of Longmont using funds from TIPID 2012-010 DRCOG Second Commitment to FasTracks Pool as agreed upon by the Northwest Corridor Partners.
- **New Project: Louisville-Lafayette Quiet Zones**
 - The project will construct quiet zones along the BNSF corridor in the Cities of Louisville and Lafayette using funds from TIPID 2012-010 DRCOG Second Commitment to FasTracks Pool as agreed upon by the Northwest Corridor Partners.

2. CDOT Region 4 Amendments

CDOT currently operates its budget, including the Statewide Transportation Improvement Program (STIP), with a cash management method. The cash management method programs funding based on year of expenditure, versus the TIP which depicts funding in the year it is programmed.

CDOT's budget method change is recent and created some confusion when CDOT transferred some Region 4 pool projects from the 2012-2017 TIP to the new 2016-2021 TIP. The result was a duplication of projects in the 2016-2021 TIP pools and the Rollover List. The Rollover List depicts TIP projects previously shown in the TIP that are still open to funding charges.

The amendments listed below clarify this situation by removing the duplicated projects from the pools. It assures pool project funding listed in the TIP is based on the year it

was programmed, not on year of expenditure. Since the pool projects being removed were originally programmed in FY2015 or earlier, they already reside in their respective pool in the 2012-2017 TIP.

Finally, the TIP project Rollover List was updated to include full descriptions of included projects.

The projects described below and in Attachment 3 are proposed to be amended into the 2016-2021 TIP. Highlighted items in the attachment depict proposed changes. These projects also are in conformance with the State Implementation Plan for Air Quality.

- **2007-095: Region 4 Surface Treatment Pool**
Update Previous Funding column and remove four projects from pool. Removed pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP.
- **2008-106: Region 4 FASTER Transit Pool**
Remove all projects from pool. Pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP.
- **2012-109: Region 4 RAMP Project Pool**
Remove all projects from pool. Pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP.
- **Project Rollover List**
Revised Rollover List to include full project descriptions.

PREVIOUS DISCUSSIONS/ACTIONS

N/A

PROPOSED MOTION

Move to approve a resolution amending the *2016-2021 Transportation Improvement Program* (TIP).

ATTACHMENTS

1. DRCOG Board Resolution (July 2008): Second Commitment in Principle
2. Northwest Corridor Partners' Packet
3. Proposed TIP Amendments
4. Draft Resolution

Link: [Rollover List \(May 2016\)](#)

ADDITIONAL INFORMATION

If you need additional information, please contact Jennifer Schaufele, Executive Director at 303 480-6701 or jschaufele@drcog.org; or Todd Cottrell, Senior Transportation Planner, Transportation Planning and Operations at (303) 480-6737 or tcottrell@drcog.org.

2012-010: Move funds between fiscal years, transfer funds to new projects, and update scope to reflect funding drawdown by Northwest Corridor Partners.

Existing

Title: **DRCOG Second Commitment to FasTracks Pool**

Project Type: **Transit Operational Improvements**

TIP-ID: **2012-010**

STIP-ID:

Open to Public:

Sponsor: **DRCOG**

Project Scope

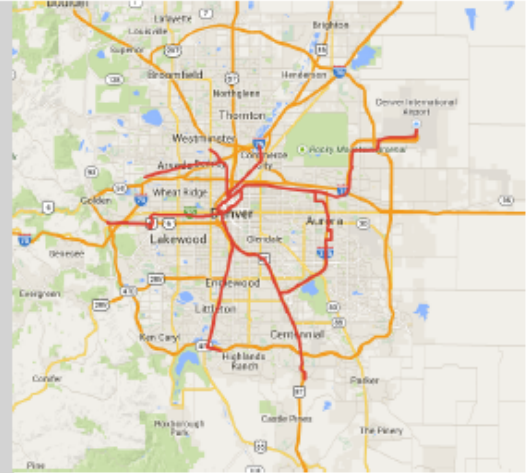
Set aside to fund second commitment in principle to FasTracks corridors not yet allocated. Individual projects will be TIP'd upon approval of Policy Amendments per the process and requirements of DRCOG Resolution 20-2008 (July, 2008).

Corridor projects previously approved using second commitment funds include:

- West Corridor (TIP ID 2007-042)- July 2010, \$7,422,000
- US-36 Corridor (TIP ID 2008-114)- Feb 2011, \$2,755,000
- Denver Union Station (TIP ID 2007-057)- July 2010, \$2,519,000
- East Corridor (TIP ID 2008-111)- Nov 2011, \$13,350,000.
- Gold Corridor (TIP ID 2008-111)- May 2012, \$6,461,000.
- Northwest Corridor (TIP ID 2007-050)- May 2012, \$1,200,000.
- North Metro Corridor (TIP ID 2007-055)- May 2012, \$7,451,000.
- I-225 Corridor (TIP ID 2007-056)- July 2012, \$7,250,000.

Remaining allocations include:

- Northwest Corridor \$6,803,000
- Southeast Extension \$1,928,000
- Southwest Extension \$2,089,000
- Central Corridor \$771,000



Affected County(ies)

Regional

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$4,073	\$0	\$0	\$0	\$0		
Federal (STP-M)		\$6,518	\$1,000	\$0	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$2,648	\$250	\$0	\$0	\$0		
Total	\$0	\$13,239	\$1,250	\$0	\$0	\$0	\$0	\$14,489

Revised

Title: **DRCOG Second Commitment to FasTracks Pool**

Project Type: **Transit Operational Improvements**

TIP-ID: **2012-010**

STIP-ID:

Open to Public:

Sponsor: **DRCOG**

Project Scope

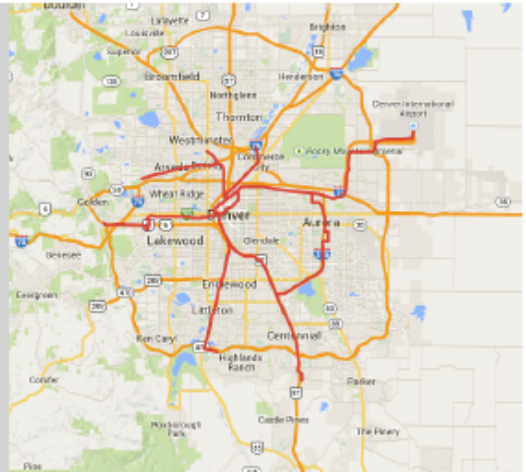
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- East Corridor (TIP ID 2008-111)- Nov 2011, \$13,350,000.
- Gold Corridor (TIP ID 2008-111)- May 2012, \$6,461,000.
- Northwest Corridor (TIP ID 2007-050)- May 2012, \$1,200,000, **June 2016, \$5,058,000.**
- North Metro Corridor (TIP ID 2007-055)- May 2012, \$7,451,000.
- I-225 Corridor (TIP ID 2007-056)- July 2012, \$7,250,000.

Remaining allocations include:

- Northwest Corridor **\$1,746,000**
- Southeast Extension \$1,928,000
- Southwest Extension \$2,089,000
- Central Corridor \$771,000



Affected County(ies)

Regional

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$0	\$0	\$72	\$0	\$0		
Federal (STP-M)		\$0	\$0	\$6,462	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$1,634	\$0	\$0		
Total	\$0	\$0	\$0	\$8,168	\$0	\$0	\$0	\$8,168

Request: Create new project using Second Commitment to FasTracks funding as requested by Northwest Corridor Partners

New Project

Title: **City of Boulder Quiet Zones**

Project Type: **Safety**

TIP-ID: **Request**

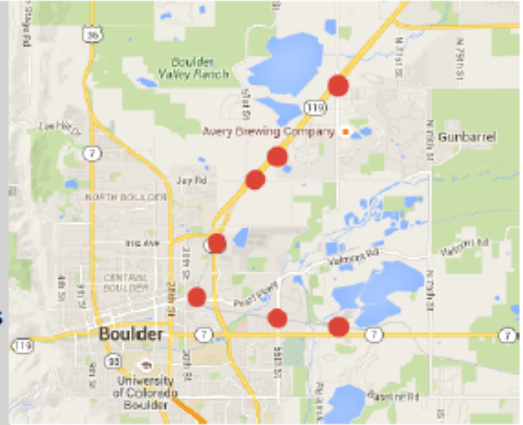
STIP-ID:

Open to Public: **2019**

Sponsor: **Boulder**

Project Scope

The project implements railroad crossing Quiet Zone improvements along the Burlington Northern Santa Fe (BNSF) railroad corridor to address train horn noise. There are a total of nine crossings, five within the City of Boulder and four adjacent to the city. Work includes updating the city's Quiet Zone plan as needed to reflect any changes in federal Quiet Zone requirements and cost estimates since 2014, public outreach, design, field diagnostic review, Federal Railroad Administration (FRA) and Colorado Public Utilities Commission (PUC) application and approval processes, as well as construction of the necessary improvements to achieve quiet zone status for selected crossings. The crossings will be evaluated and prioritized based on feasibility, estimated benefit, and cost. Selected crossings will be implemented within the identified budget and a phasing plan developed for any remaining crossings.



Affected County(ies)	Project Phases
Boulder	Year Phase
	2017 Initiate Design
	2018 Initiate Construction

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$0	\$528	\$528	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$132	\$132	\$0	\$0		
Total	\$0	\$0	\$660	\$660	\$0	\$0	\$0	\$1,320

Request: Create new project using Second Commitment to FasTracks funding as requested by Northwest Corridor Partners

New Project

Title: **Boulder County Quiet Zones**

Project Type: **Safety**

TIP-ID: **Request**

STIP-ID:

Open to Public: **2019**

Sponsor: **Boulder County**

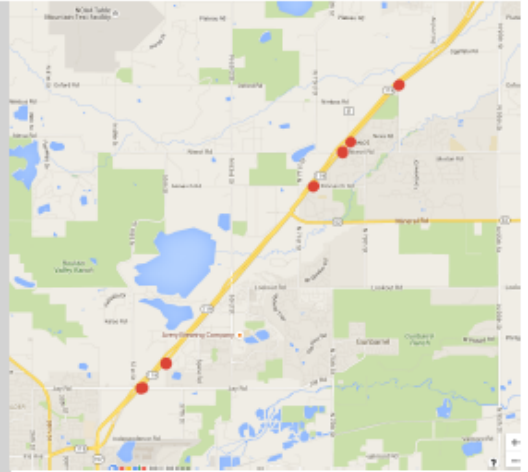
Project Scope

The project constructs Quiet Zone improvements identified in the RTD NW Rail EIS on crossings adjacent to SH119 along the BNSF line in unincorporated Boulder County between the city of Boulder and Longmont. Project elements include design, PUC approval, construction of quiet zone improvements on selected crossings, as well as submission of a written Notice of Quiet Zone Establishment. The crossings will be selected based on feasibility, estimated benefit, and cost, with high priority crossings implemented within the identified budget.

Local funds will study the locations to prioritize locations, identify necessary improvements, develop cost estimates, and conduct field diagnostic reviews in advance of this project.

Establishments of quiet zones along this stretch may include the following improvements:

- Raised medians / Channelization devices
- Flashing lights
- Constant Warning Time (CWT) Circuitry and bungalow
- Gates with 4-Quad gate system
- MUTCD compliant warning signs
- Median flashers
- Detached sidewalk
- Railroad crossing surface replacement



Affected County(ies)	Project Phases	
Boulder	Year	Phase
	2017	Initiate Design
	2018	Initiate Construction

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$0	\$136	\$1,253	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$34	\$313	\$0	\$0		
Total	\$0	\$0	\$170	\$1,566	\$0	\$0	\$0	\$1,736

Request: Create new project using Second Commitment to FasTracks funding as requested by Northwest Corridor Partners

New Project

Title: **Longmont Rail Road Bridge Replacement**

Project Type: **Safety**

TIP-ID: **Request**

STIP-ID:

Open to Public: **2020**

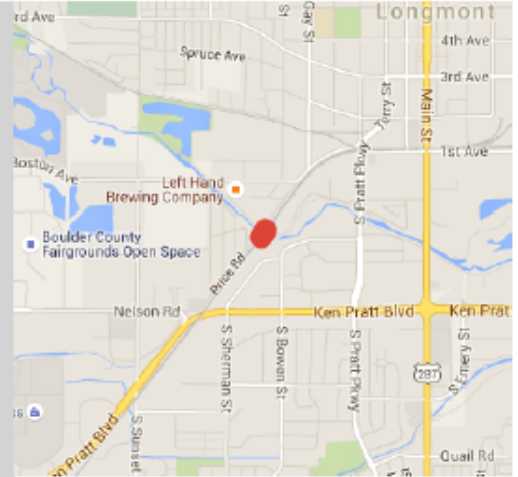
Sponsor: **Longmont**

Project Scope

The project replaces a deficient BNSF railroad bridge that is part of the FasTracks system at the St. Vrain Creek between Ken Pratt Blvd. and Main St. The 1st and Main station area along the Northwest Commuter Rail line is to be planned and built in the next 3-5 years, so this bridge replacement is critical to its construction and operation.

The construction will include a new, expanded bridge deck to convey the 100-year storm event as well as 2-3 tracks for rail. The existing/adjacent bicycle/pedestrian bridge is to be incorporated into the overall design of the rail bridge as it will not meet the new channel width recommended to carry the 100-year storm event through this section of the City.

The BNSF will conduct design, field diagnostic review, PUC application /approval, as well as construction of the necessary improvements.



Affected County(ies)	Project Phases
Boulder	Year Phase
	2019 Initiate Construction

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (STP-M)		\$0	\$0	\$0	\$1,056	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$100	\$100	\$1,744	\$0		
Total	\$0	\$0	\$100	\$100	\$2,800	\$0	\$0	\$3,000

Request: Create new project using Second Commitment to FasTracks funding as requested by Northwest Corridor Partners

New Project

Title: **Louisville-Lafayette Quiet Zones**

Project Type: **Safety**

TIP-ID: **Request**

STIP-ID:

Open to Public: **2019**

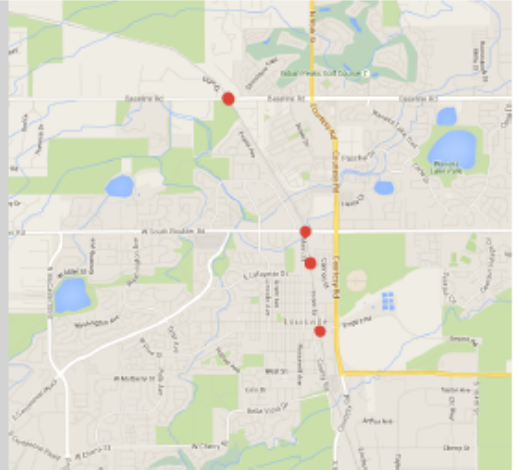
Sponsor: **Louisville**

Project Scope

The project completes Quiet Zone establishment from Baseline Rd. in Lafayette to Pine St. in Louisville on the BNSF line, and includes improvements at 4 highway rail grade crossings including Baseline Rd., South Boulder Rd., Griffith St. and Pine St. Establishment of quiet zones along this stretch may include the following improvements:

- Raised medians
- Flashing lights
- Constant Warning Time (CWT) Circuitry and bungalow
- 4-Quad gate system
- Gates
- Channelization devices
- MUTCD compliant warning signs
- Median flashers
- Detached sidewalk
- Railroad crossing surface panels

Additionally, work will include design, field diagnostic review, PUC application and approval as well as construction of the necessary improvements to achieve quiet zone status along this



Affected County(ies)		Project Phases	
Boulder		Year	Phase
		2017	Initiate Design
		2018	Initiate Construction

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal (CMAQ)		\$0	\$226	\$1,330	\$0	\$0		
State		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$57	\$333	\$0	\$0		
Total	\$0	\$0	\$283	\$1,663	\$0	\$0	\$0	\$1,946

2007-095: Update Prior Funding column and remove four projects from pool. Removed pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP

Existing

Title: **Region 4 Surface Treatment Pool**

Project Type: **Roadway Reconstruction**

TIP-ID: **2007-095**

STIP-ID: **SR45218**

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope

Projects in CDOT Region 4 (Boulder and SW Weld Counties) to be approved for pool funding by Region 4 Director.

Affected County(ies)

- Boulder
- Weld



All pool project funding depicts federal and/or state funding only.

Facility Name	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)
SH-119	Monarch Rd to Fordham St	\$6,817	SH-7	28th St to US-287	\$3,286	SH-66	MP 39-42	\$5,200
SH-119	MM 22.8 to 37.4	\$11,000	SH-7: Phase II Non-Flood	Estes Park to SH-72	\$3,832	Baseline Rd Bike/Ped Underpass	TIPID 2012-046	\$300
SH-119	47th St to Monarch Rd	\$11,100	SH-119	MP 59-64	\$12,000	SH-119 Reconstruction 28th/US-36 to East 30th St	TIPID 2012-039	\$400
US 287	Jasper Rd North	\$1,850	US-85	Brighton to Ft Lupton	\$8,160			
Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (Surface)		\$14,580	\$14,580	\$14,580	\$0	\$0		
Local		\$0	\$0	\$0	\$0	\$0		
Total	\$26,060	\$14,580	\$14,580	\$14,580	\$0	\$0	\$0	\$69,800

Highlighted projects to be removed.

Revised Scope and Funding Table

Facility Name	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)
SH-119	MM 22.8 to 37.4	\$11,000	SH-7	28th St to US-287	\$3,286	SH-119 Reconstruction 28th/US-36 to East 30th St	TIPID 2012-039	\$400
SH-119	47th St to Monarch Rd	\$11,100	SH-7: Phase II Non-Flood	Estes Park to SH-72	\$3,832			
US 287	Jasper Rd North	\$1,850	Baseline Rd Bike/Ped Underpass	TIPID 2012-046	\$300			
Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (Surface)		\$14,580	\$14,580	\$14,580	\$0	\$0		
Local		\$0	\$0	\$0	\$0	\$0		
Total	\$32,177	\$14,580	\$14,580	\$14,580	\$0	\$0	\$0	\$75,917

2008-106: Remove all projects from pool. Pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP.

Existing

Title: **Region 4 FASTER Transit Pool**

Project Type: **Transit Operational Improvements**

TIP-ID: **2008-106**

STIP-ID: **SR47005**

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope
Pool contains transit-related projects based on the FASTER Transit program (Colorado Senate Bill 108) in CDOT Region 4 (DRCOG-TIP area only).

Affected County(ies)
Boulder
Weld



All pool project funding depicts federal and/or state funding only.

Facility Name	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)
Boulder	14th/Walnut Tran. Center Improv. (Prior Funding)	\$370	RTD	Tantra Dr pNR upgrades (Prior Funding)	\$284	City of Boulder	Broadway Euclid Transit Stop Improvements (Prior Funding)	\$350
Boulder	Transit Stop Enhancements (Prior Funding)	\$230	Boulder County	Special Transit Mountain Service (Prior Funding)	\$54	CDOT DTR	Service Development Plan for Front Range Commuter Rail (Prior Funding)	\$352
Boulder County	Bus Stop Improvements (Prior Funding)	\$84	eGO Car Share	"SHIFT" (Shared Hubs Integrated for Transp CMAQ Match (Prior Funding)	\$18	CDOT Region 4	DDI Transit Improvements (Prior Funding)	\$864
RTD	US-287 and Niwot pNR Expansion (Prior Funding)	\$280	36 Commuting Solutions	Prepaid Pass Kiosks for US-36 BRT (Prior Funding)	\$781			
Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (Faster-T)		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0	\$0		
Total	\$5,374	\$0	\$0	\$0	\$0	\$0	\$0	\$5,374

Revised

Title: **Region 4 FASTER Transit Pool**

Project Type: **Transit Operational Improvements**

TIP-ID: **2008-106**

STIP-ID: **SR47005**

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope
Pool contains transit-related projects based on the FASTER Transit program (Colorado Senate Bill 108) in CDOT Region 4 (DRCOG-TIP area only).

Affected County(ies)
Boulder
Weld



Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (Faster-T)		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0	\$0		
Total	\$5,374	\$0	\$0	\$0	\$0	\$0	\$0	\$5,374

2012-109: Update Prior Funding column, remove funds, and both projects from pool. Pool projects will be individually depicted in the Rollover List and do not need to be duplicated in the current TIP

Existing

Title: **Region 4 RAMP Project Pool**

Project Type: **Other**

TIP-ID: **2012-109**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope

Pool contains projects selected under the RAMP program in CDOT Region 4 (DRCOG-TIP area only).

Projects selected under RAMP that are Regionally Significant will be depicted individually.

Affected Municipality(ies)	Affected County(ies)
Boulder	Boulder
Longmont	Weld



All pool project funding depicts federal and/or state funding only.

Facility Name	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)	Facility Name (Cont)	Start-At and End-At	Cost (1,000s)
SH-119: Boulder Canyon	Trail Extension (MP 39.1-37.8)	\$3,498	US-287 (Main St. Longmont) Adaptive Signals	MP 313.8-318.7	\$1,100			

Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (RMP)		\$3,723	\$875	\$0	\$0	\$0		
Local		\$1,316	\$219	\$0	\$0	\$0		
Total	\$8,513	\$5,039	\$1,094	\$0	\$0	\$0	\$0	\$14,646

Revised

Title: **Region 4 RAMP Project Pool**

Project Type: **Other**

TIP-ID: **2012-109**

STIP-ID:

Open to Public:

Sponsor: **CDOT Region 4**

Project Scope

Pool contains projects selected under the RAMP program in CDOT Region 4 (DRCOG-TIP area only).

Projects selected under RAMP that are Regionally Significant will be depicted individually.

Affected Municipality(ies)	Affected County(ies)
Boulder	Boulder
Longmont	Weld



Amounts in \$1,000s	Prior Funding	FY16	FY17	FY18	FY19	FY20-21	Future Funding	Total Funding
Federal		\$0	\$0	\$0	\$0	\$0		
State (RMP)		\$0	\$0	\$0	\$0	\$0		
Local		\$0	\$0	\$0	\$0	\$0		
Total	\$13,986	\$0	\$0	\$0	\$0	\$0	\$0	\$13,986