



2020-2023 Transportation Improvement Program

Air Quality Conformity

Presented by:

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Board of Directors
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Draft Documents for Adoption

- 2020-2023 Transportation Improvement Program
- Denver southern subarea 8-hour ozone conformity determination
- CO and PM10 conformity determination



What is a TIP?

- The **Transportation Improvement Program (TIP)** is –
 - Short-term planning program identifying “real” transportation projects with fiscally-constrained federal and state funding
 - Federally-required; addresses FAST Act requirements
 - Updated every two years; DRCOG projects selected every 4 years
- Contains projects selected by DRCOG, CDOT, and RTD
- Helps implement –
Metro Vision and the Regional Transportation Plan



TIP Funding Type Summary

DRCOG, through its calls for projects, funds projects with:

Funding Source	Four-Year Total
<p>Surface Transportation Block Grant Program (STBG) (formerly STP-Metro)</p> <ul style="list-style-type: none">• The most flexible, including roadways, bridges, bicycle and pedestrian infrastructure, and transit.	<p>\$134.1 million</p>
<p>STBG set-aside for Transportation Alternatives (TA)</p> <ul style="list-style-type: none">• Primarily for bicycle and pedestrian infrastructure.	<p>\$ 10.4 million</p>
<p>Congestion Mitigation/Air Quality (CMAQ) funds</p> <ul style="list-style-type: none">• Projects/programs must provide an air quality benefit by reducing emissions and congestion. Major <u>exceptions</u> include roadway capacity and reconstruction projects.	<p>\$139.8 million</p>
<p>State Multimodal Transportation Options Funds (MMOF)</p> <ul style="list-style-type: none">• New State source from 2018 SB-1. Eligible types include transit, TDM programs, multimodal mobility projects enabled with new technology, studies, and bicycle/pedestrian projects.	<p>\$ 45.3 million</p>





Dual Model Project Selection – Overview

Previous TIPs

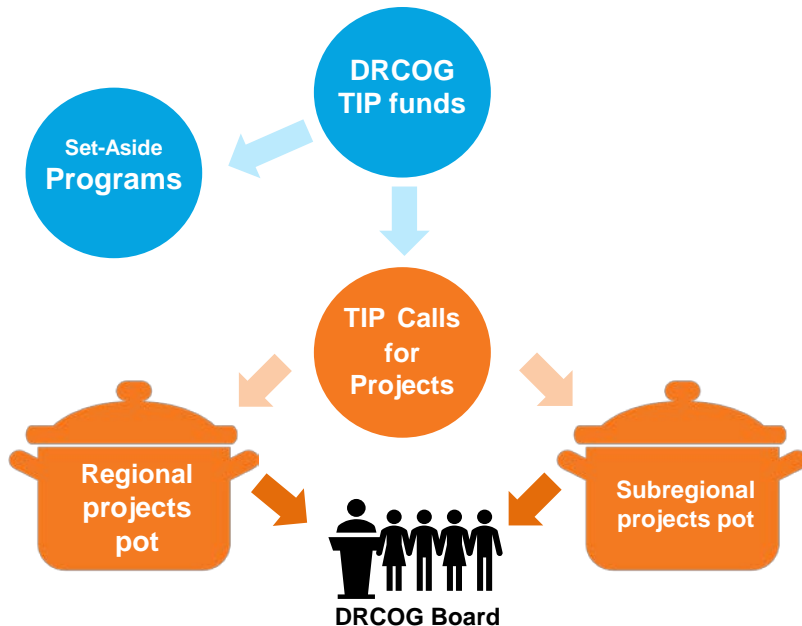
One or many centralized Call(s) for Projects

Regional Share (20%)

- Transformative projects/programs
- Quantitative benefits to the entire region
- Submitted through subregions to DRCOG, evaluated by peer review panel

Subregional Share (80%)

- Funds proportionately targeted for planning purposes to predefined sub-geographic units (counties)
- Subregions submit, evaluate, select, and recommend to the DRCOG Board



Set-Asides

- “Off the Top” programs each with Calls for Projects



Regional Share Summary

TIP Regional Share Funding Recommendation \$31,955,000 Available

Subregional Forum	Project Sponsor	Project Name	Regional Share Funding Request	Total DRCOG Weighted Score H=3, M=2, L=1	Tier	Project Activity	Regional Share Funding Level	Project Highlights
Boulder	Boulder County	SH-119 BRT Enhancements	\$ 8,150,000	2.5	1	Construction	\$ 8,150,000	1) Center busway in Longmont on Coffman St between 1st and 9th, 2) transit bypass lanes on SH119 at SH52, and 3) Bus Access Transit (BAT) lanes in Boulder on 28th St between Iris and Valmont.
Denver	Denver	16th St Mall Rehabilitation	\$ 20,000,000	2.5	1	Construction	\$ 9,071,916	Reconstruct with new granite paver system, install bulb-outs, landscaping, realign transitway and sidewalks.
Jefferson	Jefferson County	Peaks to Plains Trail - SH-6 Tunnel 1 to Huntsman Gulch	\$ 4,000,000	2.5	1	Construction	\$ 4,000,000	Build a 3-mile 10-foot ADA path along SH-6, including pedestrian bridges, parking lots, and creek access points.
Arapahoe	Arapahoe County	High Plains Trail/Cherry Creek Trail Connector	\$ 2,000,000	2.4	1	Construction	\$ 2,000,000	New trail connecting existing High Plains and Cherry Creek Trails, including a grade separation over Parker Road.
RTD	RTD	Mobility as a Service: Implementing an Open-Ticketing Platform	\$ 1,813,084	2.4	1	Construction	\$ 1,813,084	1) Upgrade back-end administration of fare payment system to account-based, and 2) install new fare validators on all RTD revenue vehicles.
RTD	RTD	RTD Transportation Transformation Comprehensive Plan	\$ 1,420,000	2.3	1	Study	\$ 1,420,000	Study will provide a vision for base transit system and maximize FasTracks investments.
Arapahoe	Arapahoe County	US-85 PEL Study	\$ 1,500,000	2.2	1	Study	\$ 1,500,000	Planning and Environmental Linkages study on US-85, between C-470 and Alameda Ave/I-25
Broomfield	Broomfield	SH-7 Preliminary and Environmental Engineering	\$ 4,000,000	2.2	1	Preconstruction	\$ 4,000,000	Develop preliminary and environmental engineering, and identify ROW and utility needs on SH-7 from Folsom St in Boulder to US-85 in Brighton.
							\$ 31,955,000	

Regional Share call:
July 31 to Sept 21

8 projects provide \$179 million
in total transportation investment



Subregional Share Summary

	<u>Number of Projects Submitted</u>	<u>Total DRCOG Request</u>	<u>Total Funding Target</u>	<u>Recommended Projects</u>	<u>Recommended Funding</u>
Adams	16	\$ 45,523,677	\$ 32,933,000	14	\$ 32,933,000
Arapahoe	19	\$ 70,582,990	\$ 44,094,000	15	\$ 44,094,000
Boulder	23	\$ 36,835,400	\$ 15,291,000	13	\$ 15,291,000
Broomfield	8	\$ 8,480,000	\$ 4,694,000	8	\$ 4,694,000
Denver	14	\$ 139,817,972	\$ 50,293,000	4	\$ 50,293,000
Douglas	14	\$ 39,700,000	\$ 22,855,000	10	\$ 22,855,000
Jeffco	12	\$ 36,668,903	\$ 32,924,000	11	\$ 32,668,903
Weld	7	\$ 7,630,000	\$ 6,055,000	7	\$ 6,055,000
Totals:	113	\$ 385,238,942	\$ 209,139,000	82	\$ 208,883,903

Subregional Share call:
Jan 2 to Feb 27

82 projects will provide
\$546 million in total
transportation investment

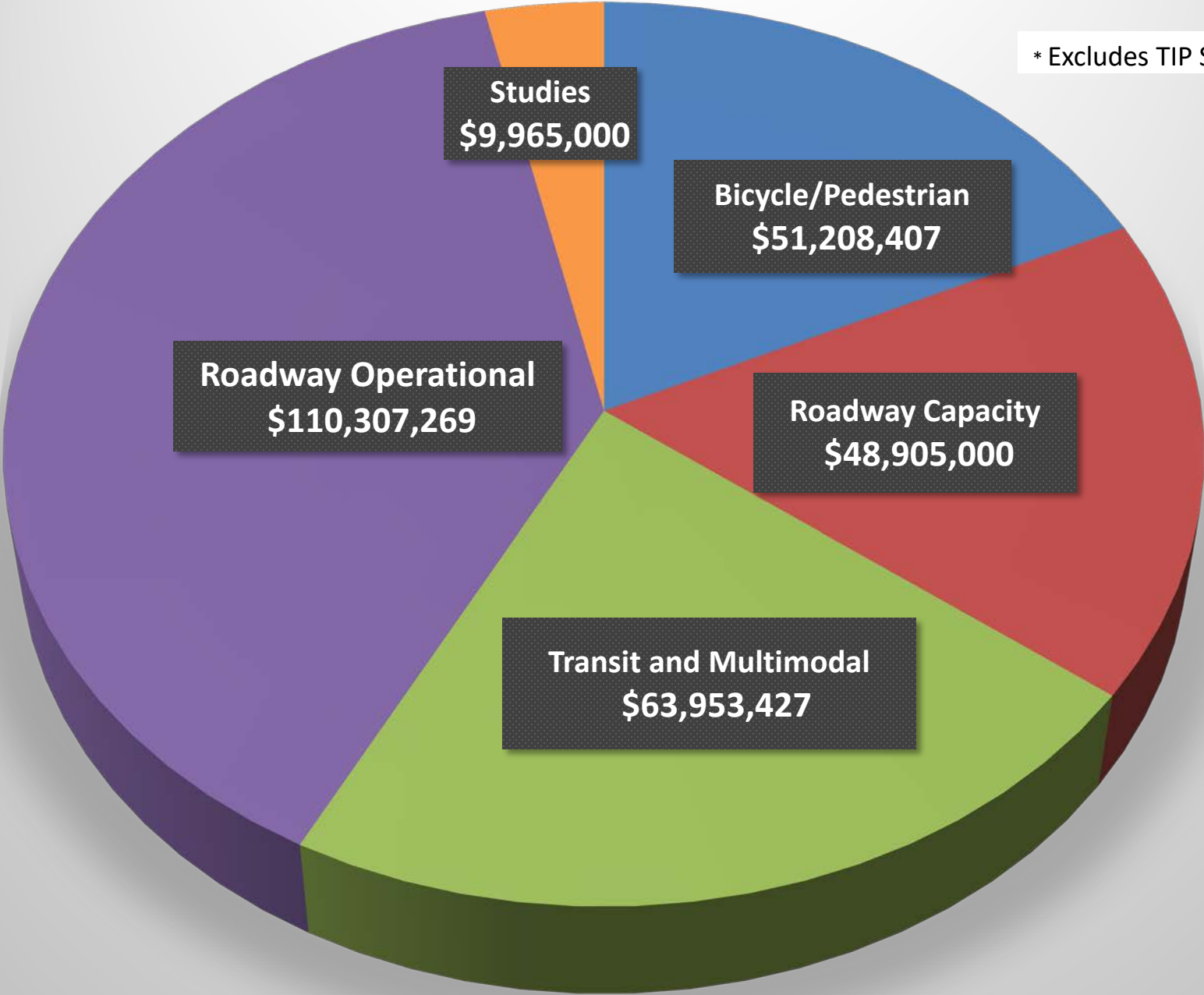
7 projects recommended
from more than one
subregion

Draft 2020-2023 TIP: **DRCOG Funding Allocation by Project Type***

* Excludes TIP Set-Asides

Total funding:
\$284,839,103

Multimodal:
Contains bike/ped
and transit elements

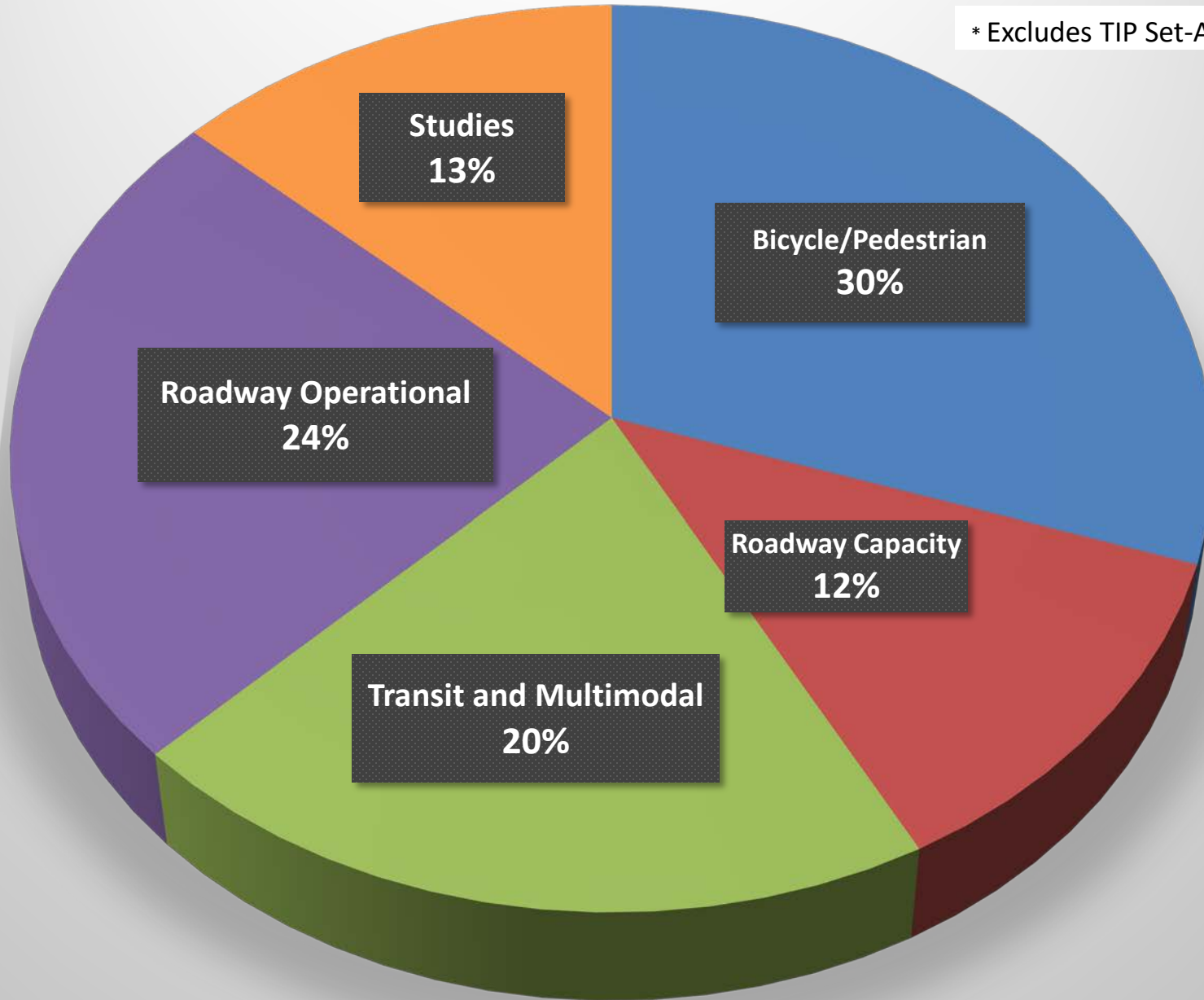


Of note:

- New category
- Bike/ped increase

Draft 2020-2023 TIP: **Percentage of Projects by Type***

* Excludes TIP Set-Asides



Of note:

- Bike/ped increase
- Total multimodal project share

Total projects funded in Regional and Subregional Share: 83



Regional Conformity of the TIP – Mobile Source Emissions

- Ozone, carbon monoxide, and PM-10 pollutants
 - Maximum budgets set through SIP process
 - vehicle emissions are only a portion of total emissions (oil and gas, power plants, etc.)
- Conformity is for the regional system, not on individual projects
- Emission modeling based on most recent planning assumptions
 - Demographics, fleet mix, cleaner vehicles, etc.
 - DRCOG runs travel model (trips, VMT, speeds) and state completes emission calculations
- **2020-2023 TIP passed all emission budget tests**



Public Input

30-day public comment period

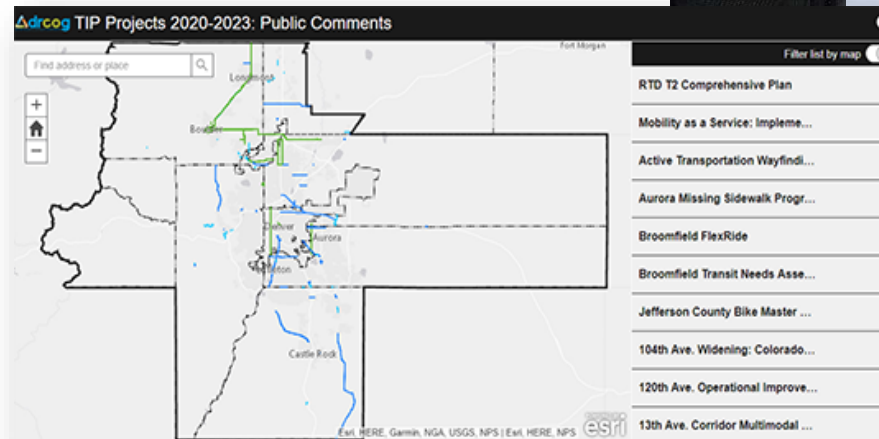
✓ Notifications

website | social media | email blast | newspaper | Bike to Work Day Civic Center Station

✓ Online web map

Public hearing

- ✓ Capstone of public comment period
- ✓ Usually held one month before Board action



THANK YOU!

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