

## 2020–2023 Transportation Improvement Program (TIP)

# **Regional Share Project Application Form**

### APPLICATION OVERVIEW

- To be eligible to submit, at least one person from your agency must have attended one of the two mandatory TIP training workshops (held August 8 and August 16).
- Projects requiring CDOT and/or RTD concurrence must provide their official response with the
  application submittal. The CDOT/RTD concurrence request is due to CDOT/RTD no later than
  August 1, with CDOT/RTD providing a response no later than August 29.
- Each Subregional Forum can submit up to three applications from eligible project sponsors. Both CDOT and RTD can submit up to two applications.
  - o If CDOT reaffirms they would like to continue to receive \$25 million in DRCOG-allocated funding for their Central 70 project, it will count as one of their two possible submittals.
- Data to help the sponsor fill out the application, especially Part 3, can be found here.
- If any sponsor wishes to request additional data or calculations from DRCOG staff, please submit your request to <a href="mailto:tcottrell@drcog.org">tcottrell@drcog.org</a> no later than August 31, 2018.
- The application must be affirmed by either the applicant's City or County Manager, Chief Elected
  Official (Mayor or County Commission Chair) for local governments, or agency director or equivalent
  for other applicants.
- Further details on project eligibility, evaluation criteria, and the selection process are defined in the
   *Policy on Transportation Improvement Program (TIP) Preparation: Procedures for Preparing the* 2020-2023 TIP, which can be found online here.

### APPLICATION FORM OUTLINE

The 2020-2023 TIP Regional Share application contains three parts: base project information (Part 1), evaluation questions (Part 2), and data calculation estimates (Part 3). DRCOG staff will review submitted applications for eligibility and provide an initial score to a Project Review Panel. The panel will review and rank eligible applications that request funding. Sponsors with top tier submittals will be invited to make presentations to the Project Review Panel to assist in the final recommendation to the TAC, RTC, and DRCOG Board.

# Part 1 | Base Information

Applicants will enter **foundational** information for their *project/program/study* (hereafter referred to as *project*) in Part 1, including a Problem Statement, project description, and concurrence documentation from CDOT and/or RTD, if applicable. Part 1 will not be scored.

# Part 2 | Evaluation Criteria, Questions, and Scoring

This part includes four sections (A-D) for the **applicant to provide qualitative and quantitative responses** to use for scoring projects. The outcomes from Part 3 should guide the applicant's responses in Part 2.

**Scoring Methodology**: Each section will be scored using a scale of *High-Medium-Low*, relative to other applications received. The four sections in Part 2 are weighted and scored as follows:

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High	The project will significantly address a clearly demonstrated major regional problem and benefit people and businesses from multiple subregions.			
Medium	The project will either moderately address a major problem or significantly address a moderate-level regional problem.			
Low	The project will address a minor regional problem.			

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High	The project will <b>significantly improve</b> the safety and/or security, <b>significantly increase</b> the reliability of the transportation network, and benefit a <b>large number and variety</b> of users (including vulnerable populations*).					
Medium	The project will <b>moderately improve</b> the safety and/or security, <b>moderately increase</b> the reliability of the transportation network, and benefit a <b>moderate number and variety</b> of users (including vulnerable populations*).					
Low	The project will <b>minimally improve</b> the safety and/or security, <b>minimally increase</b> the reliability of the transportation network, and benefit a <b>limited number and variety</b> of users (including vulnerable populations*).					

<sup>\*</sup>Vulnerable populations include: Individuals with disabilities, persons over age 65, and low-income, minority, or linguistically-challenged persons.

### Section C. Consistency & Contributions to Transportation-focused Metro Vision Objectives ....... 20%

Metro Vision guides DRCOG's work and establishes shared expectations with our region's many and various planning partners. The plan outlines broad outcomes, objectives, and initiatives established by the DRCOG Board to make life better for the region's residents. The degree to which the outcomes, objectives, and initiatives identified in Metro Vision apply in individual communities will vary. Metro Vision has historically informed other DRCOG planning processes, such as the TIP.

	High	The project will <b>significantly</b> address Metro Vision transportation-related objectives and is determined to be in the <b>top third</b> of applications based on the magnitude of benefits.					
	Medium	The project will <b>moderately</b> address Metro Vision transportation-related objectives and is determined to be in the <b>middle third</b> of applications based on the magnitude of benefits.					
low ' '		The project will <b>slightly or not at all</b> address Metro Vision transportation-related objectives and is determined to be in the <b>bottom third</b> of applications based on the magnitude of benefits.					

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Scores are assigned based on the percent of outside funding sources (non-Regional Share).

% of Outside	High	80% and above
Funding (non-Regional	Medium	60-79%
Share)	Low	59% and below

# Part 3 | Project Data – Calculations and Estimates

Based on the applicant's project elements, sponsors will complete the appropriate sections to estimate usage or benefit values. Part 3 is not scored, and the quantitative responses should be used to back-up the applicant's qualitative narrative.

Part 1 Base Informa		ormatio	n				
1.	Project Title						
2.	2. Project Start/End points or Geographic Area Provide a map with submittal, as appropriate						
3.	,	NSOF (entity that aplete and be fina the project)					
4.	-	tact Person, Ti ber, and Email					
5.	•	oject touch CE property, or re	equest RTD ir	volveme	ent to oper	ate service?	Yes No If yes, provide applicable concurrence documentation with submittal
6.	What planni document(s this project?	) identifies	Local plan:	(s):		-	nal Transportation Plan (2040 FCRTP)  number if possible, or provide documentation
7.	Identify the	project's <b>key 6</b>		ttui			
8.	Transit Bicycle Pedest Safety Roadw (2040 F	Facility rian Facility Improvements ay Capacity or CRTP) ay Operationa	s Managed La I	nes		Bridge Replace/ Study Design Other:	
8.	address?	<b>atement</b> Wh	at specific M	etro Visi	on-related	regional proble	em/issue will the transportation project
9.	Define the <b>s</b>	cope and spec	ific element	s of the բ	project.		
10.	10. What is the status of the proposed project?						

<b>11.</b> Would a smaller federal funding amount than requested be acceptable, while maintaining the original intent of the project?  ☐ Yes ☐ No								
If yes, define smaller meaningful limits, size, service level, phases, or scopes, along with the cost for each.								
A. Project Financial Information and Funding Request								
1. Total Project Cost						\$		
2. Total amount of DRC (no greater than \$20 m	_		oject cost)	\$	i	of total project cost		
3. Outside Funding Part List each funding part			s)	Contrib	\$\$ ution Amount	% of Contribution to Overall Total Project Cost		
					\$			
					\$			
					\$			
					\$			
					\$			
					\$			
Total amount of funding (private, local, state,					\$0			
		*The proposed funding	g plan is not quai	anteed if ti	he project is selected ;	for funding. While		
Funding Breakdown (yea	r by year)*	DRCOG will do everyth assigned at DRCOG's d year of expenditure do	liscretion within	fiscal const	raint. Funding amour	nts must be provided in		
	FY 2020	FY 2021	FY 202	2	FY 2023	Total		
Federal Funds	\$	\$	Ç	•	\$	\$0		
State Funds	\$	\$	Ş	;	\$	\$0		
Local Funds	\$	\$	Ç	;	\$	\$0		
Total Funding	\$0	\$0		\$0	\$0	\$0		
4. Phase to be Initiated Choose from Design, ENV, ROW, CON, Study, Service, Equip. Purchase, Other	Choose an item	Choose an item	Choose a	n item	Choose an item	1		
5. By checking this box, the applicant's Chief Elected Official (Mayor or County Commission Chair) or City/County Manager for local governments or Agency Director or equivalent for others, has certified it allows this project request to be submitted for DRCOG-allocated funding and will follow all DRCOG policies and state and federal regulations when completing this project, if funded.								

# Part 2 Evaluation Criteria, Questions, and Scoring

A.	Regional significance of proposed project	WEIGHT	40%
	Provide <b>qualitative and quantitative</b> (derived from Part 3 of the application) responses to the jointhe regional significance of the proposed project.	following o	questions
1.	Why is this project regionally important?		
2.	Does the proposed project cross and/or benefit multiple <b>municipalities</b> ? If yes, which ones and	d how?	
3.	Does the proposed project cross and/or benefit another <b>subregion(s)</b> ? If yes, which ones and	how?	
4.	How will the proposed project address the specific transportation problem described in the Pr (as submitted in Part 1, #8)?	oblem Sta	itement
5.	One foundation of a sustainable and resilient economy is physical infrastructure and transport <b>completed</b> project allow people and businesses to thrive and prosper?	ation. Ho	w will the
6.	How will connectivity to different travel modes be improved by the proposed project?		
7.	Describe funding and/or project partnerships (other subregions, regional agencies, municipalite established in association with this project.	ies, privat	e, etc.)
В.	DRCOG Board-approved Metro Vision TIP Focus Areas	WEIGHT	30%
	Provide <b>qualitative and quantitative</b> (derived from Part 3 of the application) responses to the on how the proposed project addresses the three DRCOG Board-approved Focus Areas (in bold	-	questions
1.	Describe how the project will improve mobility infrastructure and services for vulnerable por improved transportation access to health services).	oulations (	including
2.	Describe how the project will increase reliability of existing multimodal transportation netwo	ork.	
3.	Describe how the project will improve transportation safety and security.		

# C. Consistency & Contributions to Transportation-focused Metro Vision 20% WEIGHT **Objectives** Provide qualitative and quantitative responses (derived from Part 3 of the application) to the following items on how the proposed project contributes to Transportation-focused Objectives (in bold) in the adopted Metro Vision plan. Refer to the expanded Metro Vision Objective by clicking on links. MV objective 2 Contain urban development in locations designated for urban growth and services. 1. Will this project help focus and facilitate future growth in locations where urban-level Yes infrastructure already exists or areas where plans for infrastructure and service expansion are in place? Describe, including supporting quantitative analysis MV objective 3 Increase housing and employment in urban centers. 2. Will this project help establish a network of clear and direct multimodal connections within Yes and between urban centers, or other key destinations? Describe, including supporting quantitative analysis Improve or expand the region's multimodal transportation system, services, and MV objective 4 connections. 3. Will this project help increase mobility choices within and beyond the region for people, Yes goods, or services? Describe, including supporting quantitative analysis MV objective 6a Improve air quality and reduce greenhouse gas emissions. 4. Will this project help reduce ground-level ozone, greenhouse gas emissions, carbon Yes No monoxide, particulate matter, or other air pollutants? Describe, including supporting quantitative analysis MV objective 7b Connect people to natural resource or recreational areas. 5. Will this project help complete missing links in the regional trail and greenways network or improve other multimodal connections that increase accessibility to our region's open space Yes assets? Describe, including supporting quantitative analysis

	MV objective 10	Increase access to amenities that support healthy, active choices.					
6.	Will this project ex Describe, including	ny and active lifestyles?	Yes No				
	MV objective 13	Improve access to opport	tunity.				
7.	Will this project he by promoting relia Describe, including	Yes No					
	MV objective 14	Improve the region's com	npetitive position.				
8.	Will this project he and vitality? Describe, including	region's economic health	Yes No				
D.	Project Levera	ging			weigнт <b>10%</b>		
9.	•	utside funding sources ated Regional Share project have?	%	80%+ outside funding 60-79%59% and below	Medium		

# Part 3

# **Project Data Worksheet – Calculations and Estimates**

(Complete all subsections applicable to the project)

### A. Transit Use

1. Current ridership weekday boardings 0

2. Population and Employment

Year	Population within 1 mile	Employment within 1 mile	Total Pop and Employ within 1 mile
2020	0	0	0
2040	0	0	0

Transit Use Calculations	Year of Opening	2040 Weekday Estimate
<ol> <li>Enter estimated additional daily transit boardings after project is completed.</li> <li>(Using 50% growth above year of opening for 2040 value, unless justified)</li> <li>Provide supporting documentation as part of application submittal</li> </ol>	0	0
4. Enter number of the additional transit boardings (from #3 above) that were previously using a different transit route. (Example: {#3 X 25%} or other percent, if justified)	0	0
5. Enter number of the new transit boardings (from #3 above) that were previously using other non-SOV modes (walk, bicycle, HOV, etc.) (Example: {#3 X 25%} or other percent, if justified)	0	0
<b>6.</b> = Number of SOV one-way trips reduced per day $(#3 - #4 - #5)$	0	0
7. Enter the value of {#6 x 9 miles}. (= the VMT reduced per day) (Values other than the default 9 miles must be justified by sponsor; e.g., 15 miles for regional service or 6 miles for local service)	0	0
8. = Number of pounds GHG emissions reduced (#7 x 0.95 lbs.)	0	0

**9.** If values would be distinctly greater for weekends, describe the magnitude of difference:

**10.** If different values other than the suggested are used, please explain here:

# **B.** Bicycle Use

1. Current weekday bicyclists 0

2. Population and Employment

Year	Population within 1 mile	Employment within 1 mile	Total Pop and Employ within 1 mile
2020	0	0	0
2040	0	0	0

Bicycle Use Calculations	Year of Opening	2040 Weekday Estimate				
<b>3.</b> Enter estimated additional weekday one-way bicycle trips on the facility after project is completed.	e 0	0				
4. Enter number of the bicycle trips (in #3 above) that will be dive from a different bicycling route. (Example: {#3 X 50%} or other percent, if justified)	rting 0	0				
5. = Initial number of new bicycle trips from project (#3 – #4)	0	0				
6. Enter number of the new trips produced (from #5 above) that a replacing an SOV trip. (Example: {#5 X 30%} (or other percent, if justified)	o O	0				
7. = Number of SOV trips reduced per day (#5 - #6)	0	0				
8. Enter the value of {#7 x 2 miles}. (= the VMT reduced per day) (Values other than 2 miles must be justified by sponsor)	0	0				
<b>9.</b> = Number of pounds GHG emissions reduced (#8 x 0.95 lbs.)	0	0				
10. If values would be distinctly greater for weekends, describe the magnitude of difference:						
11. If different values other than the suggested are used, please exp	olain here:					

C. Pedestrian Use			
1.	Current weekday pedestrians (include users of all non-pedaled devices)	0	
2.	Population and Employment	1	

Year	Population within 1 mile	Employment within 1 mile	Total Pop and Employ within 1 mile
2020	0	0	0
2040	0	0	0

Pedestrian Use Calculations	Year of Opening	2040 Weekday Estimate
<b>3.</b> Enter estimated additional weekday pedestrian one-way trips on the facility after project is completed	0	0
4. Enter number of the new pedestrian trips (in #3 above) that will be diverting from a different walking route (Example: {#3 X 50%} or other percent, if justified)	0	0
5. = Number of new trips from project (#3 – #4)	0	0
6. Enter number of the new trips produced (from #5 above) that are replacing an SOV trip. (Example: {#5 X 30%} or other percent, if justified)	0	0
7. = Number of SOV trips reduced per day (#5 - #6)	0	0

12. Enter the value of {#7 x .4 miles}. (= the VMT reduced per day)  (Values other than .4 miles must be justified by sponsor)	0	0
8. = Number of pounds GHG emissions reduced (#8 x 0.95 lbs.)	0	0
9. If values would be distinctly greater for weekends, describe the magnitude of difference:		
10. If different values other than the suggested are used, please explain here:		

#### **D. Vulnerable Populations Vulnerable Populations** Population within 1 mile 1. Persons over age 65 0 **Use Current** 2. Minority persons 0 Census Data **3.** Low-Income households 0 4. Linguistically-challenged persons 0 **5.** Individuals with disabilities 0 **6.** Households without a motor vehicle 0 7. Children ages 6-17 0 0 **8.** Health service facilities served by project

### **E. Travel Delay** (Operational and Congestion Reduction)

Sponsor must use industry standard Highway Capacity Manual (HCM) based software programs and procedures as a basis to calculate estimated weekday travel delay benefits. DRCOG staff may be able to use the Regional Travel Model to develop estimates for certain types of large-scale projects.

1. Current ADT (average daily traffic volume) on applicable segments	0
2. 2040 ADT estimate	0
3. Current weekday vehicle hours of delay (VHD) (before project)	0

	Travel Delay Calculations	Year of Opening
4.	Enter calculated future weekday VHD (after project)	0
5.	Enter value of <b>{#3 - #4} =</b> Reduced VHD	0
6.	Enter value of <b>{#5 X 1.4}</b> = <b>Reduced person hours of delay</b> (Value higher than 1.4 due to high transit ridership must be justified by sponsor)	0
7.	After project peak hour congested average travel time reduction per vehicle (includes persons, transit passengers, freight, and service equipment carried by vehicles). If applicable, denote unique travel time reduction for certain types of vehicles	0

**8.** If values would be distinctly different for weekend days or special events, describe the magnitude of difference.

**9.** If different values other than the suggested are used, please explain here:

### F. Traffic Crash Reduction

1.	<b>1.</b> Provide the current number of crashes involving motor vehicles, bicyclists, and pedestrians (most recent <b>5-year</b> period of data)		
	Fatal crashes	0	
	Serious Injury crashes	0	Sponsor
	Other Injury crashes	0	accepted
	Property Damage Only crashes	0	(CRF) or
2.	Estimated reduction in crashes <u>applicable to the project scope</u> (per the five-year period used above)	<u>!</u>	factor (A
	Fatal crashes reduced	0	Report 6
	Serious Injury crashes reduced	0	
	Other Injury crashes reduced	0	
	Property Damage Only crashes reduced	0	

Sponsor must use industry accepted crash reduction factors (CRF) or accident modification factor (AMF) practices (e.g., NCHRP Project 17-25, NCHRP Report 617, or DiExSys methodology).

### **G. Facility Condition**

Sponsor must use a current industry-accepted pavement condition method or system and calculate the average condition across all sections of pavement being replaced or modified.

Applicants will rate as: Excellent, Good, Fair, or Poor

### **Roadway Pavement**

1. Current roadway pavement condition

Choose an item

- 2. Describe current pavement issues and how the project will address them.
- 3. Average Daily User Volume

0

### Bicycle/Pedestrian/Other Facility

4. Current bicycle/pedestrian/other facility condition

Choose an item

- 5. Describe current condition issues and how the project will address them.
- 6. Average Daily User Volume

0

### H. Bridge Improvements

- 1. Current bridge structural condition from CDOT
- 2. Describe current condition issues and how the project will address them.

3.	Other functional obsolescence issues to be addressed by project	
4.	Average Daily User Volume over bridge	0
ı.	Other Beneficial Variables (identified and calculated by the sponsor)	-
1.		
2.		
3.		
J.	Disbenefits or Negative Impacts (identified and calculated by the sponsor)	
1.	Increase in VMT? If yes, describe scale of expected increase	☐ Yes ☐ No
2.	Negative impact on vulnerable populations	
3.	Other:	