

Action Transmittal

Transportation Advisory Board



Meeting Date: November 16, 2022

Date: November 7, 2022

Action Transmittal: 2022-46

2022 Carbon Reduction Program Funding Distribution

To: Transportation Advisory Board
From: Technical Advisory Committee
Prepared By: Steve Peterson, Manager of Highway Planning and TAB/TAC Process

Requested Action

TAB requests that the technical committees forward technical feedback on the Carbon Reduction Program funding options for TAB's consideration in its selection of a final Carbon Reduction program of projects.

Recommended Motion

That TAB select a Carbon Reduction Program funding option.

Summary

Carbon Reduction Program options (shown in green on the attached tables) were created for TAB's consideration for each of the remaining funding scenario options:

Background and Purpose

The new federal Carbon Reduction Program is designed to fund projects that reduce transportation emissions, defined as carbon dioxide, from on-road highway sources. There is a wide array of federally eligible project types including most transit, bike, pedestrian, carpooling, congestion pricing projects, vehicles/modes that lower emissions (EVs), and approaches that lower construction emissions.

TAB requested, and the Council Transportation Committee recommended allocating the 2023 and 2024 Carbon Reduction funds (\$16M total) as part of the 2022 Regional Solicitation cycle. The direction received from the Council's Transportation Committee and TAB was to put this funding towards the Bicycle and Pedestrian Facilities modal category given that these projects are eligible for the funding and also the high number of applications submitted. The Transit modal category projects are also eligible, however, almost all submitted transit applications are already funded through the base Regional Solicitation funding options. Roadway modal category projects are largely ineligible for the Carbon Reduction funding, except for Traffic Management Technologies.

Allocation of Carbon Reduction funds for 2025 and beyond will be discussed in 2023 pending completion of MnDOT's required Carbon Reduction Strategy and input from Council climate related planning studies. This planning work will help determine the best use of these new federal funds. In action item 2022-45, options for spending STP, CMAQ, and On-System Bridge

funding are shown, inclusive of potential Carbon Reduction Program distribution. The potential Carbon Reduction Program projects are also shown on the attached maps.

Relationship to Regional Policy

The Infrastructure Investment and Jobs Action (IIJA) created the Carbon Reduction Program, which is meant to fund projects that help reduce carbon emissions. The new program provides the Council with \$8M per year for fiscal years 2023-2027. Given the limited time to develop a new allocation process focused on carbon reduction and the need to spend 2023 and 2024 funds, the Council and TAB advised that the funds be awarded to bicycle and pedestrian projects submitted to the Regional Solicitation. How to distribute 2025-2027 funds will be discussed and addressed in 2023 by the TAB and Council, pending completion of MnDOT’s required Carbon Reduction Strategy and climate related planning studies.

Committee Comments and Action

At its October 19, 2022, meeting, the TAB indicated a general preference for using the Carbon Reduction funds on smaller projects (i.e., Pedestrian Facilities and Safe Routes to School) to spread the funding around to different applicants and to recognize the pedestrian safety issues in the region. Staff narrowed down the options for Carbon Reduction based on this feedback.

At its October 20, 2022, meeting, the TAC Funding & Programming Committee voted unanimously to forward technical feedback on the Carbon Reduction Program funding options.

Discussion included that along with bike and pedestrian projects, Carbon Reduction Program funding can be used on transit and roadway (mostly traffic management technologies) projects. Because the Carbon Reduction Program funds are for fiscal years 2023 and 2024, the projects able to receive the funding are limited. Some members expressed a desire to use some of the funding on larger projects in multiuse trails, especially if it could aid in geographic balance.

At its November 2, 2022, meeting, the Technical Advisory Committee voted unanimously to forward the carbon reduction options to TAB.

Routing

To	Action Requested	Date Scheduled / Completed
TAC Funding & Programming Committee	Review & Recommend	October 20, 2022
Technical Advisory Committee	Review & Recommend	November 2, 2022
Transportation Advisory Board	Review & Approve	November 16, 2022
Transportation Committee	Review & Recommend	November 28, 2022
Metropolitan Council	Review & Concur	December 14, 2022



DRAFT FUNDING OPTION-SUBJECT TO CHANGE

BICYCLE AND PEDESTRIAN FACILITIES

Multiuse Trails and Bicycle Facilities						TAC Recommended Scenarios									
Rank	ID	Applicant	County	City	Project Name	A. Midpoint+Extra to Bike/Ped	B1. Bike/Ped Heavy + Extra to Roadway	B2. Bike/Ped Heavy+Extra to Bike/Ped	Requested Program Year	Federal Requested	Local Match	Total Proj Cost	Federal Cumulative	Total Scores	% of High Score
1	17449	Hennepin Co (Equity Bonus Project)	Hennepin	Minneapolis	Park Ave & Portland Ave Bikeway	\$5,500,000	\$5,500,000	\$5,500,000	2027	\$5,500,000	\$2,660,000	\$8,160,000	\$5,500,000	878	100%
2	17721	Minneapolis	Hennepin	Minneapolis	Downtown 9th and 10th St Bikeways	\$4,511,942	\$4,511,942	\$4,511,942	2027	\$4,511,942	\$1,127,985	\$5,639,927	\$10,011,942	868	99%
3	17537	Three Rivers PD (Equity Bonus)	Hennepin	Minnetonka, Plymouth	Eagle Lake Regional Trail	\$3,060,333	\$3,060,333	\$3,060,333	2026 2027	\$3,060,333	\$765,083	\$3,825,416	\$13,072,275	832	95%
4	17627	St Paul	Ramsey	St. Paul	Capital City Bikeway: Phase 3 Kellogg Blvd	\$5,500,000	\$5,500,000	\$5,500,000	2025 2027	\$5,500,000	\$3,935,913	\$9,435,913	\$18,572,275	819	93%
5	17629	St Paul	Ramsey	St. Paul	Capital City Bikeway: Saint Peter St	\$5,500,000	\$5,500,000	\$5,500,000	2027	\$5,500,000	\$2,864,855	\$8,364,855	\$24,072,275	809	92%
6	17651	Minneapolis (Equity Bonus)	Hennepin	Minneapolis	Northside Greenway Phase 1	\$4,188,954	\$4,188,954	\$4,188,954	2026	\$4,188,954	\$1,047,238	\$5,236,192	\$28,261,229	802	91%
7	17614	Minneapolis	Hennepin	Minneapolis	2nd St North Bikeway	\$4,000,000	\$4,000,000	\$4,000,000	2024 2026	\$4,000,000	\$1,000,000	\$5,000,000	\$32,261,229	769	88%
8	17595	Anoka Co (Resubmittal)	Anoka	Fridley	44th Ave Bridge Bike/Ped Trail Project	\$2,015,200	\$2,015,200	\$2,015,200	2023 2024 2025 2026	\$2,015,200	\$503,800	\$2,519,000	\$34,276,429	765	87%
9	17579	Mpls Park & Rec (Equity Bonus)	Hennepin	Minneapolis	East Bank Trail Gap Improvements	\$2,560,000	\$2,560,000	\$2,560,000	2023 2024 2025 2026	\$2,560,000	\$640,000	\$3,200,000	\$36,836,429	750	85%
10	17473	Three Rivers PD	Hennepin	Hopkins	Nine Mile Creek Regional Trail - 11th Ave	\$760,000	\$760,000	\$760,000	2025 2026 2027	\$760,000	\$190,000	\$950,000	\$37,596,429	745	85%
11	17539	Three Rivers PD (Equity Bonus)	Hennepin	Brooklyn Center	Shingle Creek Regional Trail Realignment	\$2,462,240	\$2,462,240	\$2,462,240	2026 2027	\$2,462,240	\$615,560	\$3,077,800	\$40,058,669	737	84%
12	17680	Inver Grove Heights (Resubmittal)	Dakota	Inver Grove Heights	Inver Grove Heights Babcock Trail	\$419,040	\$419,040	\$419,040	2023 2024 2025 2026 2027	\$419,040	\$104,760	\$523,800	\$40,477,709	730	83%
13	17448	Hennepin Co	Hennepin	Minneapolis	Marshall St NE Bikeway Project		\$4,912,000	\$4,912,000	2027	\$4,912,000	\$1,228,000	\$6,140,000	\$45,389,709	724	82%
T-14	17582	Ramsey Co (Resubmittal)	Ramsey	Gem Lake, Vadnais Heights, White Bear Lake, White Bear Township	Phase 1 Bruce Vento Reg. Trail Extension		\$4,000,000	\$4,000,000	2024 2025 2026	\$4,000,000	\$3,000,000	\$7,000,000	\$49,389,709	719	82%
T-14	17573	St Paul (Equity Bonus and Resubmittal)*	Ramsey	Newport, St. Paul	Point Douglas Regional Trail Phase 1		Carbon Reduction	Carbon Reduction	2026	\$5,500,000	\$1,375,000	\$6,875,000	\$54,889,709	719	82%
T-16	17556	Scott Co (Resubmittal)	Scott	Louisville Township	Merriam Junction Regional Trail		Extra Project**	Carbon Reduction	2023 2024 2025 2026 2027	\$5,500,000	\$7,650,000	\$13,150,000	\$60,389,709	703	80%
T-16	17575	Three Rivers PD	Hennepin	Eden Prairie, Minnetonka	Bryant Lake Regional Trail Construction				2026 2027	\$5,500,000	\$1,375,000	\$6,875,000	\$65,889,709	703	80%
18	17663	City of Anoka	Anoka	Anoka	Rum River Trail 4th Ave Railroad Crossing				2025 2026 2027	\$556,000	\$150,000	\$706,000	\$66,445,709	701	80%
19	17532	Three Rivers PD	Hennepin	Brooklyn Park	Shingle Creek Regional Trail: Noble Pkwy				2025 2026 2027	\$1,254,000	\$313,500	\$1,567,500	\$67,699,709	700	80%
20	17541	Three Rivers PD (Equity Bonus)	Hennepin	Bloomington, Edina	CP Rail Regional Trail: Bloomington/Edina				2025 2026 2027	\$4,665,840	\$1,166,460	\$5,832,300	\$72,365,549	696	79%
21	17711	Dakota Co (Resubmittal)	Dakota	Eagan	Fort Snelling State Park UP Rail Overpass				2023 2024 2025 2026 2027	\$3,777,940	\$944,485	\$4,722,425	\$76,143,489	689	78%
22	17712	Dakota Co (Resubmittal)	Dakota	Mendota Heights	Valley Park Trail & Underpass				2023 2024 2025 2026 2027	\$1,372,800	\$343,200	\$1,716,000	\$77,516,289	687	78%
23	17526	Brooklyn Park	Hennepin	Brooklyn Park	Rush Creek Reg. Trail Grade Sep. at CSAH 103				2024 2025 2026 2027	\$1,057,600	\$264,400	\$1,322,000	\$78,573,889	683	78%
24	17531	Three Rivers PD	Hennepin	Plymouth	Medicine Lake Reg. Trail Reconstruction				2025 2026 2027	\$2,883,000	\$720,833	\$3,603,833	\$81,456,889	680	78%
25	17687	Farmington	Dakota	Empire Township, Farmington	North Creek Greenway Reg. Trail - Farmington				2026 2027	\$1,305,600	\$326,400	\$1,632,000	\$82,762,489	679	77%
26	17730	South St Paul	Dakota	South St. Paul	Bryant Avenue Pedestrian Bridge				2024 2025 2026 2027	\$4,145,600	\$1,036,400	\$5,182,000	\$86,908,089	675	77%
27	17589	Richfield	Hennepin	Richfield	73rd St Trail and Bridge Modernization				2026	\$5,500,000	\$3,700,000	\$9,200,000	\$92,408,089	671	76%
28	17599	Plymouth	Hennepin	Plymouth	Station 73 Transit and Regional Trail Project				2024 2025	\$5,500,000	\$3,994,800	\$9,494,800	\$97,908,089	669	76%
29	17713	Dakota Co	Dakota	Mendota Heights	Lebanon Greenway TH 149 Trail				2025 2026 2027	\$817,380	\$204,345	\$1,021,725	\$98,725,469	666	76%
30	17648	Bloomington	Hennepin	Bloomington	Normandale Boulevard Multiuse Trail				2025 2026 2027	\$4,550,000	\$1,139,021	\$5,689,021	\$103,275,469	663	75%
T-31	17736	Dakota Co	Dakota	Rosemount	Rosemount CSAH 42 Trail and Underpass				2025 2026	\$2,480,000	\$620,000	\$3,100,000	\$105,755,469	661	75%
T-31	17719	Lakeville	Dakota	Lakeville	Dodd Blvd Trail Grade Separation Project				2026	\$2,426,400	\$606,600	\$3,033,000	\$108,181,869	661	75%
33	17652	Lakeville	Dakota	Lakeville	Lake Marion Greenway - Lakeville				2025 2026	\$2,852,110	\$713,028	\$3,565,138	\$111,033,979	649	74%
34	17527	Brooklyn Park (Equity Bonus)	Hennepin	Brooklyn Park	Highway 252 and 81st Ave Pedestrian Bridge				2027	\$3,144,000	\$786,000	\$3,930,000	\$114,177,979	646	74%
35	17565	Three Rivers PD	Hennepin	Golden Valley	Bassett Creek Regional Trail - Golden Valley				2025 2026 2027	\$2,604,640	\$651,169	\$3,255,809	\$116,782,619	634	72%
36	17568	Dakota Co	Dakota	Mendota Heights, West St. Paul	Delaware Ave Trail and Sidewalk Connections				2025 2026	\$541,600	\$135,400	\$677,000	\$117,324,219	632	72%
37	17689	Three Rivers PD	Hennepin	Champlin	West Miss. River Reg. Trail: South Segment				2026 2027	\$2,932,160	\$733,040	\$3,665,200	\$120,256,379	628	72%
38	17631	Carver Co (Resubmittal)	Carver	Chanassan, Eden Prairie	MN River Bluffs Regional Trail				2025 2026 2027	\$1,688,320	\$422,080	\$2,110,400	\$121,944,699	625	71%
39	17714	Dakota Co	Dakota	Eagan, Inver Grove Heights	Veterans Memorial Greenway Trail and Bridge				2025 2026 2027	\$2,800,000	\$700,000	\$3,500,000	\$124,744,699	620	71%
40	17566	Three Rivers PD	Hennepin	Orono, Wayzata	Dakota Rail - Luce Line Connector				2026 2027	\$2,741,333	\$685,333	\$3,426,666	\$127,486,032	614	70%
41	17720	Woodbury	Washington	Woodbury	Woodbury Gold Line Station Trail Connection				2024 2025 2026 2027	\$963,920	\$240,980	\$1,204,900	\$128,449,952	608	69%
T-42	17653	Burnsville	Dakota	Burnsville	Lake Marion Greenway Trail Gap - Sunset Pond Park				2025 2026	\$1,094,673	\$273,668	\$1,368,341	\$129,544,625	601	69%
T-42	17688	Three Rivers PD	Hennepin	Champlin	West Miss. River Reg. Trail: North Segment				2026 2027	\$3,000,000	\$750,000	\$3,750,000	\$132,544,625	601	68%
T-44	17732	Washington Co	Washington	Hugo	Hardwood Creek Regional Trail Extension				2026 2027	\$526,400	\$131,600	\$658,000	\$133,071,025	600	68%
T-44	17632	Carver Co	Carver	Chaska	Ravine Trail				2025 2026 2027	\$4,573,840	\$1,143,460	\$5,717,300	\$137,644,865	600	68%
46	17658	Eden Prairie	Hennepin	Eden Prairie	Flying Cloud Drive Trail				2024 2025 2026	\$3,271,000	\$820,000	\$4,091,000	\$140,915,865	585	67%
47	17530	Three Rivers PD	Hennepin	Orono	Lake Independence Reg. Trail Reconstruction				2025 2026 2027	\$2,070,000	\$517,500	\$2,587,500	\$142,985,865	576	66%
48	17690	Three Rivers PD	Hennepin	Greenfield, Rockford	Crow River Reg. Trail				2026 2027	\$1,000,000	\$250,000	\$1,250,000	\$143,985,865	480	55%
49	17646	Oakdale	Washington	Oakdale	Multiuse Trail Bridge over I-694				2025 2026	\$924,000	\$231,000	\$1,155,000	\$144,909,865	430	49%
Total						\$40,477,709	\$49,389,709	\$49,389,709		\$144,909,865	\$54,797,896	\$199,707,761			-

*Project also received federal congressionally directed funding for prelim. engineering.

**Indicates an extra project that would be funded with TAC's recommended increase from 11% to 12% overprogramming, plus other remaining funds.

Pedestrian Facilities						TAC Recommended Scenarios									
Rank	ID	Applicant	County	City	Project Name	A. Midpoint+Extra to Bike/Ped	B1. Bike/Ped Heavy + Extra to Roadway	B2. Bike/Ped Heavy+Extra to Bike/Ped	Requested Program Year	Federal Requested	Local Match	Total Proj Cost	Federal Cumulative	Total Scores	% of High Score
1	17570	Hennepin Co	Hennepin	Minneapolis	Lake St Pedestrian Project	\$2,000,000	\$2,000,000	\$2,000,000	2024 2025 2026	\$2,000,000	\$2,300,000	\$4,300,000	\$2,000,000	868	100%
2	17733	Minneapolis	Hennepin	Minneapolis	1st Ave Pedestrian Improvements	\$2,000,000	\$2,000,000	\$2,000,000	2026	\$2,000,000	\$10,683,100	\$12,683,100	\$4,000,000	784	90%
3	17734	Minneapolis	Hennepin	Minneapolis	Elliot Park Pedestrian Improvements	\$2,000,000	\$2,000,000	\$2,000,000	2027	\$2,000,000	\$564,770	\$2,564,770	\$6,000,000	750	86%
4	17726	Washington Co	Washington	Stillwater	CSAH 5 Pedestrian Facility	\$400,000	\$400,000	\$400,000	2026 2027	\$400,000	\$100,000	\$500,000	\$6,400,000	641	74%
5	17628	St Paul	Ramsey	St. Paul	Payne Ave Pedestrian Safety Improvements	Carbon Reduction	\$1,200,000	\$1,200,000	2026	\$1,200,000	\$300,000	\$1,500,000	\$7,600,000	611	70%
T-6	17600	St Paul	Ramsey	St. Paul	Arlington Avenue Sidewalk Infill	Carbon Reduction	Carbon Reduction	\$920,000	2026	\$920,000	\$230,000	\$1,150,000	\$8,520,000	575	66%
T-6	17447	Hennepin Co	Hennepin	Minneapolis	Marshall St Pedestrian Project	Carbon Reduction	Carbon Reduction	\$1,528,000	2027	\$1,528,000	\$382,000	\$1,910,000	\$10,048,000	575	66%
8	17670	Dakota Co	Dakota	Apple Valley	Cedar Ave Pedestrian Bridge at 140th St	Carbon Reduction	Carbon Reduction	Carbon Reduction	2024 2025 2026	\$2,000,000	\$871,833	\$2,871,833	\$12,048,000	574	66%
9	17503	Minneapolis	Hennepin	Minneapolis	42nd Street Pedestrian Improvements	Carbon Reduction	Carbon Reduction	Carbon Reduction	2025 2026	\$1,623,480	\$405,870	\$2,029,350	\$13,671,480	539	62%
10	17657	Victoria	Carver	Victoria	78th Street Pedestrian Overpass	Carbon Reduction	Carbon Reduction	Carbon Reduction	2025 2026 2027	\$2,000,000	\$1,204,000	\$3,204,000	\$15,671,480	486	56%
Total						\$6,400,000	\$7,600,000	\$10,048,000	-	\$15,671,480	\$17,041,573	\$32,713,053			-

Safe Routes to School						TAC Recommended Scenarios									
Rank	ID	Applicant	County	City	Project Name	A. Midpoint+Extra to Bike/Ped	B1. Bike/Ped Heavy + Extra to Roadway	B2. Bike/Ped Heavy+Extra to Bike/Ped	Requested Program Year	Federal Requested	Local Match	Total Proj Cost	Federal Cumulative	Total Scores	% of High Score
1	17729	South St Paul	Dakota	South St. Paul	Marie Avenue SRTS	\$1,000,000	\$1,000,000	\$1,000,000	2024 2025 2026 2027	\$1,000,000	\$1,246,000	\$2,246,000	\$1,000,000	858	100%
2	17664	New Hope	Hennepin	New Hope, Brooklyn Park	Meadow Lake Elem. SRTS	\$363,617	\$363,617	\$363,617	2026	\$363,617	\$90,904	\$454,521	\$1,363,617	820	96%
3	17558	Minneapolis	Hennepin	Minneapolis	South & Folwell SRTS Improvements	Carbon Reduction	\$1,000,000	\$1,000,000	2026	\$1,000,000	\$378,850	\$1,378,850	\$2,363,617	765	89%
4	17559	Minneapolis	Hennepin	Minneapolis	Whittier Safe Routes to School	Carbon Reduction	\$1,000,000	\$1,000,000	2026	\$1,000,000	\$317,030	\$1,317,030	\$3,363,617	754	88%
5	17507	St Paul	Ramsey	St. Paul, Falcon Heights	Chelsea Hts Elem. Ped. Improvements	Carbon Reduction	Carbon Reduction	\$1,000,000	2026	\$1,000,000	\$440,000	\$1,440,000	\$4,363,617	738	86%
6	17647	Bloomington	Hennepin	Bloomington	Valley View Schools SRTS Improvements	Carbon Reduction	Carbon Reduction	\$398,000	2024 2025 2026 2027	\$398,000	\$100,040	\$498,040	\$4,761,617	705	82%
7	17588	Richfield (Equity Bonus)	Hennepin	Richfield	73rd St SRTS Connection	Carbon Reduction	Carbon Reduction	\$635,000	2026	\$635,000	\$175,000	\$810,000	\$5,396,617	704	82%
8	17731	Chaska	Carver	Chaska	Engler Boulevard Trail Gap	Carbon Reduction	Carbon Reduction	Carbon Reduction	2024 2025 2026 2027	\$825,520	\$206,380	\$1,031,900	\$6,222,137	698	81%
9	17697	Dakota Co	Dakota	West St. Paul, Mendota Heights	Delaware Avenue Trail Gap	Carbon Reduction	Carbon Reduction	Carbon Reduction	2023 2024 2025 2026	\$600,000	\$150,000	\$750,000	\$6,822,137	621	72%
10	17494	Ramsey Co	Ramsey	Vadnais Heights	Koehler Rd/Edgerton St Trail	Carbon Reduction	Carbon Reduction	Carbon Reduction	2024 2025 2026	\$557,654	\$139,413	\$697,067	\$7,379,790	544	63%
Total						\$1,363,617	\$3,363,617	\$5,396,617	-	\$7,379,790	\$3,243,618	\$10,623,408			-

Note: Thick black underlines in each list indicate approximately funding lines before IJA increases. Projects shaded in green would be funded out of the Carbon Reduction Program funds and this will be considered by TAB as part of a separate action. Extra Projects* funded with overprogramming increased to 12%

Modal Splits Project Total		\$48,241,326		\$65,853,326		\$64,834,326
Modal Splits Available	\$	\$1,300,858	\$	61,080,000	\$	66,221,563
Yet to Program to 12% Overprogramming		\$3,059,532		(\$4,773,326)		\$1,387,237
Carbon Reduction Project Total		\$15,287,654		\$15,587,654		\$16,606,654
Carbon Reduction Available		\$16,269,000		\$16,269,000		\$16,269,000
Yet to Program to 12% Overprogramming		\$4,040,878		-\$4,091,979		\$1,049,583