

Application

19842 - 2024 Multiuse Trails and Bicycle Facilities 20479 - County Road D Multiuse Trail Regional Solicitation - Bicycle and Pedestrian Facilities Status: Submitted Date:

Submitted 12/15/2023 6:39 AM

Primary Contact

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Name:*
He/him/his

Name.*	He/him/his Pronouns	Alan First Name Midd	le Name Last Name
Title:	Ramsev County F	Proiect Manager	
Department:	Ramsey County Public Works		
Email:	Alan.maxwell@cc	.ramsey.mn.us	
Address:	1425 Paul Kirkwold Drive		
*	Arden Hills _{City}	Minnesota State/Province	55112 Postal Code/Zip
Phone:*	651-266-7157 Phone		Ext.
Fax:			
What Grant Programs are you most interested in?	Regional Solicitation - Roadways Including Multimodal Elements		
Organization Information			
Name:	RAMSEY COUNT	Y	
Jurisdictional Agency (if different):			
rganization Type: County Government			
Organization Website:			
Address:	DEPT OF PUBLIC WORKS 1425 PAUL KIRKWOOD DR		
*	ARDEN HILLS City	Minnesota State/Province	55112 Postal Code/Zip
County:	Ramsey		
Phone:*	651-266-7100		
Eav			Ext.
PeopleSoft Vendor Number	0000023983A30		
Project Information			
Project Name	County Road D M	ultiuse Trail	
Primary County where the Project is Located	Ramsey		
Cities or Townships where the Project is Located:	Vadnais Heights,	Little Canada, Maplewood	
Jurisdictional Agency (If Different than the Applicant):			

type of improvement, etc.)

Brief Project Description (Include location, road name/functional class, County Road D is a minor arterial road located in Ramsey County that over time has deteriorated in quality. With its reconstruction, Ramsey County has an opportunity to provide multimodal connections to areas of high need and further complete the region's Regional Bicycle Network with a new trail along a Tier 1 RBTN Alignment. The proposed project will include the addition of an off-street, multi-use path on a minor arterial road, along an approximately one-mile segment from Greenbrier Street to County Road D Circle. The new multi-use trail will align with Ramsey County's Active Living Plan and construct a trail along a Tier 1 **RBTN** Alignment.

> The project is essential for providing safe transportation options for residents of Vadnais Heights, Little Canada, and Maplewood, all of which are along this corridor. The proposed trail's proximity to a large concentration of affordable housing will result in direct benefits for high-need residents. Over 300 units of affordable housing are located north of County Road D. Currently, residents of these units are forced to use the shoulder of the road to walk, as evidenced by paths worn into the grass. With a high quality, off-street multiuse path, conflicts with motor vehicles will be eliminated, resulting in a comfortable and safe area for all skill levels and reducing the risk of vehicle/pedestrian crashes.

The trail will connect to the greater network of bike trails in Ramsey County and the region, including access to the nearby Maplewood Mall area. In addition to being a major employment area, this site is a future station for the METRO Purple Line, a high-frequency transitway that will connect residents to employment opportunities in downtown St. Paul. The trail would also connect residents with the Regional Bicycle Trail Network and to a major east/west trail directly south of County Road D. The proposed trail will allow all residents, including those without a vehicle, to access job opportunities, parks, and other spaces to recreate.

(Limit 2 800 characters: approximately 400 words)

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TRANSPORTATION IMPROVEMENT PROGRAM (TIP) DESCRIPTION - will be used in TII if the project is selected for funding. <u>See MnDOT's TIP description guidance.</u>	P CONSTRUCT 6000 FEET OF MULTIUSE TRAIL ALONG COUNTY ROAD D IN RAMSEY COUNTY BETWEEN GREENBRIER STREET AND COUNTY ROAD D CIRCLE			
Include both the CSAH/MSAS/TH references and their corresponding street names in the TIP Description (see Resources link on Regional Solicitation webpage for examples).				
Project Length (Miles)	1.1			
to the nearest one-tenth of a mile				
Project Funding				
Are you applying for competitive funds from another source(s) to implement this project?	³ No			
If yes, please identify the source(s)				
Federal Amount	\$3,005,348.56			
Match Amount	\$751,337.14			
Minimumof 20% of project total				
Project Total	\$3,756,685.70			
For transit projects, the total cost for the application is total cost minus fare revenues.				
Match Percentage	20.0%			
Minimum of 20% Compute the match percentage by dividing the match amount by the project total				
Source of Match Funds	State Aid Funds			
A minimum of 20% of the total project cost must come from non-federal sources; additional match funds over	the 20% minimumcan come fromother federal sources			
Preferred Program Year				
Select one:	2028			
Select 2026 or 2027 for TDM and Unique projects only. For all other applications, select 2028 or 2029.				
Additional Program Years:	2025, 2026, 2027			
Select all years that are feasible if funding in an earlier year becomes available.				
Project Information	·			

If your project has already been assigned a State Aid Project # (SAP or SP)

Please indicate here SAP/SP#.	062-619-039
Location	
County, City, or Lead Agency	Ramsey County
Name of Trail/Ped Facility:	County Road D Multiuse Trail
(example; CEDAR LAKE TRAIL)	
IF TRAIL/PED FACILITY IS ADJACENT TO ROADWAY:	
Road System	CSAH
(TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET)	
Road/Route No.	19
(Example: 53 for CSAH 53)	
Name of Road	County Road D
(Example: 1st SI., Main Ave.)	
From:	
Road System	City Street
(TH, CSAH, MSAS, CO. RD., TWP. RD., CITY STREET)	
Road/Route No.	
(Example: 53 for CSAH 53)	
Name of Road	Greenbrier Street
(Example: 1st ST., Main Ave.)	
To: Road System	City Street
DO NOT INCLUDE LEGAL DESCRIPTION: INCLUDE NAME OF ROADWAY	
IF MAJORITY OF FACILITY RUNS ADJACENT TO A SINGLE CORRIDOR	
Road/Route No.	
(Example: 53 for CSAH 53)	
Name of Road	County Road D Circle
(Example: 1st ST., Main Ave.)	
	Vadnais Heights, Little Canada, Maplewood
Termini: Termini listed must be within 0.3 miles of any work	
From:	
To:	
Or	
At:	
In the City/Cities of:	
(List all cities within project limits)	
Primary Types of Work (Check all that apply)	
Multi-Use Trail	Yes
Reconstruct Trail	
Resurface Trail	
Bituminous Pavement	Yes
Concrete Walk	
Pedestrian Bridge	
Signal Revision	
Landscaping	Yes
Other (do not include incidental items)	
BRIDGE/CULVERT PROJECTS (IF APPLICABLE)	
Old Bridge/Culvert No.:	
New Bridge/Culvert No.:	
Structure is Over/Under (Bridge or culvert name):	
Zip Code where Majority of Work is Being Performed	55109
Approximate Begin Construction Date (MO/YR)	03/01/2025
Approximate End Construction Date (MO/YR)	11/30/2025
Miles of Pedestrian Facility/Trail (nearest 0.1 miles):	1.1
Miles of trail on the Regional Bicycle Transportation Network (nearest 0.1 miles):	1.1
Is this a new trail?	Yes

Requirements - All Projects

All Projects

1. The project must be consistent with the goals and policies in these adopted regional plans: Thrive MSP 2040 (2014), the 2040 Transportation Policy Plan (2018), the 2040 Regional Parks Policy Plan (2018), and the 2040 Water Resources Policy Plan (2015).
Check the box to indicate that the project meets this requirement.
Yes

2. The project must be consistent with the 2040 Transportation Policy Plan. Reference the 2040 Transportation Plan goals, objectives, and strategies that relate to the project.

Briefly list the goals, objectives, strategies, and associated pages: The overall goal of this project is to provide

The overall goal of this project is to provide residents and visitors access to and through the area via non-motorized transportation, including biking and walking, with the creation of a new multi-use trail along County Road D. In this sense, this project can relate to most major goals and objectives described in the 2040 Transportation Policy Plan. However, this project will specifically contribute to the following goals:

- GOAL: SAFETY AND SECURITY (p. 58-59): This project will provide safe and comfortable facilities for pedestrians and bicycles which currently do not exist along this corridor. This project also addresses the need for a safe crossing across County Road D.

- GOAL: ACCESS TO DESTINATIONS (p. 62-63): This project will greatly improve the availability and quality of multimodal travel options by providing a pedestrian/bicycle corridor for residents along this road and connecting east to the Maplewood Mall. It will also play a role in further connecting to the greater regional bicycle trail as a Tier 1 RBTN Corridor.

- GOAL: HEALTHY ENVIRONMENT (p.66-69): This project engages the goal to promote the health of communities by lowering the human impact on the environment through transportation choices while providing walker and riders of all skill levels a safe, comfortable area to travel.

(Limit 2,800 characters; approximately 400 words)

3. The project or the transportation problem/need that the project addresses must be in a local planning or programming document. Reference the name of the appropriate comprehensive plan, regional/statewide plan, capital improvement program, corridor study document [studies on trunk highway must be approved by the Minnesota Department of Transportation and the Metropolitan Council], or other official plan or program of the applicant agency [includes Safe Routes to School Plans] that the project is included in and/or a transportation problem/need that the project addresses.

List the applicable documents and pages: Unique projects are exempt Vadnais Heights 2040 Comprehensive Plan, Pg 58 (Parks and Trails): This from this qualifying requirement because of their innovative nature. project is referenced in the Vadnais Heights 2040 Comprehensive Plan, which

project is referenced in the Vadnais Heights 2040 Comprehensive Plan, which guides for a multi-use trail along this corridor, eventually connecting to the Maplewood Mall area.

Regional Bike Trail Network: This area has been identified as a Tier 1 Corridor for the Regional Bike and Trail Network as an East/West connection. Completion of this project would fill a gap in the regional bicycle network.

(Limit 2,800 characters; approximately 400 words)

4. The project must exclude costs for studies, preliminary engineering, design, or construction engineering. Right-of-way costs are only eligible as part of transit stations/stops, transit terminals, park-and-ride facilities, or pool-and-ride lots. Noise barriers, drainage projects, fences, landscaping, etc., are not eligible for funding as a standalone project, but can be included as part of the larger submitted project, which is otherwise eligible. Unique project costs are limited to those that are federally eligible.

Check the box to indicate that the project meets this requirement.

5. Applicant is a public agency (e.g., county, city, tribal government, transit provider, etc.) or non-profit organization (TDM and Unique Projects applicants only). Applicants that are not State Aid cities or counties in the seven-county metro area with populations over 5,000 must contact the MnDOT Metro State Aid Office prior to submitting their application to determine if a public agency sponsor is required.

Yes

Check the box to indicate that the project meets this requirement.

6. Applicants must not submit an application for the same project in more than one funding sub-category.

Check the box to indicate that the project meets this requirement. Yes

7. The requested funding amount must be more than or equal to the minimum award and less than or equal to the maximum award. The cost of preparing a project for funding authorization can be substantial. For that reason, minimum federal amounts apply. Other federal funds may be combined with the requested funds for projects exceeding the maximum award, but the source(s) must be identified in the application. Funding amounts by application category are listed below in Table 1. For unique projects, the minimum award is \$500,000 and the maximum award is the total amount available each funding cycle (approximately \$4,000,000 for the 2024 funding cycle).

Multiuse Trails and Bicycle Facilities: \$250,000 to \$5,500,000 Pedestrian Facilities (Sidewalks, Streetscaping, and ADA): \$250,000 to \$2,000,000 Safe Routes to School: \$250,000 to \$1,000,000

Check the box to indicate that the project meets this requirement.

Yes

8.	The project mu	st comply with the	Americans with	Disabilities Ac	t (ADA).
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8. The project must comply with the Americans with Disabilities Act (ADA).	
Check the box to indicate that the project meets this requirement.	Yes
9. In order for a selected project to be included in the Transportation Improvement Program Americans with Disabilities Act (ADA) self-evaluation or transition plan that covers the publ. by the local agency before the Regional Solicitation application deadline. For future Regional update, e.g., within five years prior to application.	(TIP) and approved by USDOT, the public agency sponsor must either have a current ic right of way/transportation, as required under Title II of the ADA. The plan must be completed al Solicitation funding cycles, this requirement may include that the plan has undergone a recent
The applicant is a public agency that employs 50 or more people and has a completed ADA transition plan that covers the public right of way/transportation.	Yes
Date plan completed:	12/31/1997
Link to plan:	
The applicant is a public agency that employs fewer than 50 people and has a completed ADA self-evaluation that covers the public right of way/transportation.	
Date self-evaluation completed:	
Link to plan:	
Upload plan or self-evaluation if there is no link	
Upload as PDF	
10. The project must be accessible and open to the general public.	
Check the box to indicate that the project meets this requirement.	Yes
11. The owner/operator of the facility must operate and maintain the project year-round for the pedestrian, and transit facilities, per FHWA direction established 8/27/2008 and updated 4/	ne useful life of the improvement. This includes assurance of year-round use of bicycle, 15/2019. Uhique projects are exempt from this qualifying requirement.
Check the box to indicate that the project meets this requirement.	Yes
12. The project must represent a permanent improvement with independent utility. The term and does not depend on any construction elements of the project being funded from other so	?independent utility? means the project provides benefits described in the application by itself purces outside the regional solicitation, excluding the required non-federal match.
Projects that include traffic management or transit operating funds as part of a construction	project are exempt from this policy.
Check the box to indicate that the project meets this requirement.	Yes
13. The project must not be a temporary construction project. A temporary construction proj project must also not be staged construction where the project will be replaced as part of fu than replace, previous work.	ect is defined as work that must be replaced within five years and is ineligible for funding. The ture stages. Staged construction is eligible for funding as long as future stages build on, rather
Check the box to indicate that the project meets this requirement.	Yes
14. The project applicant must send written notification regarding the proposed project to all	affected state and local units of government prior to submitting the application.
Check the box to indicate that the project meets this requirement.	Yes
Requirements - Bicycle and Pedestrian Facilities Projects	
 All projects must relate to surface transportation. As an example, for multiuse trail and bi and/or that connect two destination points. A facility may serve both a transportation purpose considered to have a transportation purpose. 	cycle facilities, surface transportation is defined as primarily serving a commuting purpose e and a recreational purpose; a facility that connects people to recreational destinations may be
Check the box to indicate that the project meets this requirement.	Yes
Multiuse Trails on Active Railroad Right-of-Way:	
2. All multiuse trail projects that are located within right-of-way occupied by an active railroa purposes.	ad must attach an agreement with the railroad that this right-of-way will be used for trail
Check the box to indicate that the project meets this requirement.	
	Upload Agreement PDF
Check the box to indicate that the project is not in active railroad right-of-way.	Yes
Multiuse Trails and Bicycle Facilities projects only:	
3. All applications must include a letter from the operator of the facility confirming that they we Control Agency has a resource for best practices when using salt. Upload PDF of Agreement	vill remove snow and ice for year-round bicycle and pedestrian use. The Minnesota Pollution at in Other Attachments.
Check the box to indicate that the project meets this requirement.	Yes
Upload PDF of Agreement in Other Attachments.	
Safe Routes to School projects only:	
4. All projects must be located within a two-mile radius of the associated primary, middle, or	high school site.
Check the box to indicate that the project meets this requirement.	
5. All schools benefitting from the SRTS program must conduct after-implementation survey Center for SRTS website. The school(s) must submit the after-evaluation data to the Nationa evaluation can be found at the MnDOT SRTS website.	rs. These include the student travel tally form and the parent survey available on the National al Center for SRTS within a year of the project completion date. Additional guidance regarding

Check the box to indicate that the applicant understands this requirement and will submit data to the National Center for SRTS within one year of project completion.

Requirements - Bicycle and Pedestrian Facilities Projects

Mobilization (approx. 5% of total cost)	\$200,000.00
Removals (approx. 5% of total cost)	\$127,533.75
Roadway (grading, borrow, etc.)	\$530,619.00
Roadway (aggregates and paving)	\$0.00
Subgrade Correction (muck)	\$0.00
Storm Sewer	\$1,006,375.00
Ponds	\$0.00
Concrete Items (curb & gutter, sidewalks, median barriers)	\$0.00
Traffic Control	\$96,050.00
Striping	\$32,011.45
Signing	\$0.00
Lighting	\$0.00
Turf - Erosion & Landscaping	\$385,200.00
Bridge	\$0.00
Retaining Walls	\$0.00
Noise Wall (not calculated in cost effectiveness measure)	\$0.00
Traffic Signals	\$0.00
Wetland Mitigation	\$0.00
Other Natural and Cultural Resource Protection	\$0.00
RR Crossing	\$0.00
RoadwayContingencies	\$0.00
Other Roadway Elements	\$19,500.00
Totals	\$2,397,289.20

Specific Bicycle and Pedestrian Elements CONSTRUCTION PROJECT BLEMENTS/COST ESTIMATES

CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Path/Trail Construction	\$1,175,026.50
Sidewalk Construction	\$149,860.00
On-Street Bicycle Facility Construction	\$0.00
Right-of-Way	\$0.00
Pedestrian Curb Ramps (ADA)	\$15,060.00
Crossing Aids (e.g., Audible Pedestrian Signals, HAWK)	\$0.00
Pedestrian-scale Lighting	\$0.00
Streetscaping	\$19,450.00
Wayfinding	\$0.00
Bicycle and Pedestrian Contingencies	\$0.00
Other Bicycle and Pedestrian Elements	\$0.00
Totals	\$1,359,396.50

Specific Transit and TDM Elements	
CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES	Cost
Fixed Guideway Elements	\$0.00
Stations, Stops, and Terminals	\$0.00
Support Facilities	\$0.00
Transit Systems (e.g. communications, signals, controls, fare collection, etc.)	\$0.00
Vehicles	\$0.00
Contingencies	\$0.00
Right-of-Way	\$0.00
Other Transit and TDM Elements	\$0.00
Totals	\$0.00

0 \$0.00 \$0.00

\$0.00

Transit Operating Costs
Number of Platform hours
Cost Per Platform hour (full loaded Cost)
Subtotal

Other Costs - Administration, Overhead, etc.

One of the new federal funding sources is Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT). Please describe which specific elements of your project and associated costs out of the Total TAB-Eligible Costs are eligible to receive PROTECT funds. Examples of potential eligible items may include: storm sewer, ponding, erosion control/landscaping, retaining walls, new bridges over floodplains, and road realignments out of floodplains.

INFORMATION: Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Formula Program Implementation Guidance (dot.gov).

Response:	The County Road D Multiuse Trail Project will include storm sewer and erosion control/landscaping. The total associated cost for these elements is \$1,391,575.	
Totals		
Total Cost	\$3,756,685.70	
Construction Cost Total	\$3,756,685.70	
Transit Operating Cost Total	\$0.00	
Measure A: Project Location Relative to the RBTN		
Select one:		
Tier 1, Priority RBTN Corridor	Yes	
Tier 1, RBTN Alignment		
Tier 2, RBTN Corridor		
Tier 2, RBTN Alignment		
Direct connection to an RBTN Tier 1 corridor or alignment		
Direct connection to an RBTN Tier 2 corridor or alignment		
OR		
Project is not located on or directly connected to the RBTN but is part of a local system and identified within an adopted county, city or regional parks implementing agency plan.		
Upload Map	1702594704680_107_RBTN Orientation Map.pdf	
Please upload attachment in PDF form		
Measure A: Population Summary	· · · · · · · · · · · · · · · · · · ·	
Existing Population Within One Mile (Integer Only)	16788	
Existing Employment Within One Mile (Integer Only)	14467	
Upload the "Population Summary" map	1702594743682_105_Population Employment Summary Map.pdf	

Please upload attachment in PDF form

Measure A: Engagement

i. Describe any Black, Indigenous, and People of Color populations, Iow-income populations, disabled populations, youth, or older adults within a ½ mile of the proposed project. Describe how these populations relate to regional context. Location of affordable housing will be addressed in Measure C.

ii. Describe how Black, Indigenous, and People of Color populations, Iow-income populations, persons with disabilities, youth, older adults, and residents in affordable housing were engaged, whether through community planning efforts, project needs identification, or during the project development process.

iii. Describe the progression of engagement activities in this project. A full response should answer these questions:

- 1. What engagement methods and tools were used?
- 2. How did you engage specific communities and populations likely to be directly impacted by the project?
- 3. What techniques did you use to reach populations traditionally not involved in community engagement related to transportation projects?
- 4. How were the project?s purpose and need identified?
- 5. How was the community engaged as the project was developed and designed?
- 6. How did you provide multiple opportunities for of Black, Indigenous, and People of Color populations, Iow-income populations, persons with disabilities, youth, older adults, and residents in affordable housing to engage at different points of project development?
- 7. How did engagement influence the project plans or recommendations? How did you share back findings with community and re-engage to assess responsiveness of these changes?

8. If applicable, how will NEPA or Title VI regulations will guide engagement activities?

In the past decade, the project area has seen rapid population growth, more than doubling the number of residents in the area from 2010 to 2020. Of this population, more than one-third of residents are people of color. Asian or Pacific Islander makes up the largest group, followed by African American/Black residents and Hispanic or Latino. 13% of residents within a half mile of the project area are 65 years or older, while 23% are under the age of 18. 12% of the population lives with a disability. The project area contains a high number of low-income households, with 25% of households making less than \$35,000 a year-approximately 30% AMI. 301 units of affordable housing are along County Road D and would have direct access to a new multi-use trail, expanding their mobility and increasing their choices for transportation.

An open house on the project was held on February 28, 2023 to solicit feedback and identify concerns within the project area. Area residents were notified by mailer for the in-person session and additional opportunities to provide feedback online or over the phone. The attendants voiced positive feedback on the new proposed crosswalk and the improved safety for students waiting for the school bus. Online comments demonstrated overwhelming support for the proposed path and noted that residents are often seen walking in the grass or along the side of the roadway in the project area. This is most often seen near Highcrest Apartments and Shadowlawn Estates, two affordable housing developments in the project area.

The Ramsey County Pedestrian and Bicycle Plan identified gaps and areas of high stress in the County's bicycle and pedestrian network. The plan identified County Road D as a high-stress roadway and a corridor with high potential usage. This 2015 report involved a combination of geospatial data analysis and community engagement and conversations. Efforts included in-person engagement, open houses, public surveys, and listening sessions, and populations that have been historically under-represented in the planning process were specifically solicited. This was achieved by working closely with organizations working with specific populations or communities, holding meetings in places people were already congregating, and creating jargon-free user-friendly materials.

Feedback from Ramsey County's public engagement efforts influenced the design of this project. The residents' desire for safe, off-street trails guided the project to a multiuse trail separated from motor vehicle traffic. Respondents' desire to have a cohesive, connected network helped prioritize this project, which would be an important piece connecting the Regional Bicycle Trail Network (RBTN) as a Tier 1 corridor.

(Limit 2,800 characters; approximately 400 words):

Describe the project?s benefits to Black, Indigenous, and People of Color populations, Iow-income populations, children, people with disabilities, youth, and older adults. Benefits could relate to:

? pedestrian and bicycle safety improvements;

- ? public health benefits;
- ? direct access improvements for residents or improved access to destinations such as jobs, school, health care, or other;
- ? travel time improvements;
- ? gap closures;
- ? new transportation services or modal options;
- ? leveraging of other beneficial projects and investments;
- ? and/or community connection and cohesion improvements.

This is not an exhaustive list. A full response will support the benefits claimed, identify benefits specific to Disadvantaged communities residing or engaged in activities near the project area, identify benefits addressing a transportation issue affecting Disadvantaged communities specifically identified through engagement, and substantiate benefits with data.

Acknowledge and describe any negative project impacts to Black, Indigenous, and People of Color populations, low-income populations, children, people with disabilities, youth, and older adults. Describe measures to mitigate these impacts. Unidentified or unmitigated negative impacts may result in a reduction in points.

Below is a list of potential negative impacts. This is not an exhaustive list.

- ? Decreased pedestrian access through sidewalk removal / narrowing, placement of barriers along the walking path, increase in auto-oriented curb cuts, etc.
- ? Increased speed and/or ?cut-through? traffic.
- ? Removed or diminished safe bicycle access.
- ? Inclusion of some other barrier to access to jobs and other destinations.

Response:

The proposed trail's proximity to a large concentration of affordable housing will result in direct benefits for high-need residents. Over 300 units of affordable housing are located north of County Road D. Currently, residents of these units are forced to use the shoulder of the road to walk, as evidenced by paths worn into the grass. With a high quality, off-street multiuse path, conflicts with motor vehicles will be eliminated, resulting in a comfortable and safe area for all skill levels and reducing the risk of vehicle/pedestrian crashes. This will allow all residents, including those without a vehicle, to access job opportunities, parks, and other spaces to recreate.

Public engagement and outreach have revealed concern from residents about the safety of children waiting for the school bus along County Road D. Without a safe place to wait, students are not able to comfortably wait for the bus to pick them up. With designated space for pedestrians along this roadway, students can more easily and safely ride the bus to school. This provides an environmentally friendly way for students to travel to school and benefits families with limited access to personal vehicles.

This project will increase residents' access to employment centers, both in the immediate area and by connection to the regional transit system. Notably, the project will connect to the future METRO Purple Line, providing high frequency, all-day, bidirectional transit to and from downtown St. Paul, giving residents access to tens of thousands of jobs in the urban core. The proposed trail will provide vital first- and last-mile connections for users of the current transit system and future Purple Line.

The benefits of increased mobility via walking, biking, and transit not only give residents alternatives to traveling by car, but also provide economic opportunity and health benefits. Reduced vehicular traffic results in cleaner air and an increased quality of life for residents compared to those near heavily trafficked roads. Residents are also increasingly able to access jobs and daily needs without a car, allowing for people who cannot or chose not to own a vehicle to not need to sacrifice mobility. In addition to employment access, residents will be connected to the regional bicycle network and have access to local and regional parks. The ability to use greenspace for exercise and to enjoy nature would have a notable effect on residents' health and well-being.

The proposed project will not result in any permanent negative impacts on area residents, including disadvantaged residents. The project team will work with the community throughout construction to limit construction impacts for nearby business owners and those living in the adjacent affordable housing.

(Limit 2,800 characters; approximately 400 words):

Describe any affordable housing developments?existing, under construction, or planned?within ½ mile of the proposed project. The applicant should note the number of existing subsidized units, which will be provided on the Socio-Economic Conditions map. Applicants can also describe other types of affordable housing (e.g., naturally-occurring affordable housing, manufactured housing) and under construction or planned affordable housing that is within a half mile of the project. If applicable, the applicant can provide self-generated PDF maps to support these additions. Applicants are encouraged to provide a self-generated PDF map describing how a project connects affordable housing residents to destinations (e.g., childcare, grocery stores, schools, places of worship).

Describe the project?s benefits to current and future affordable housing residents within ½ mile of the project. Benefits must relate to affordable housing residents. Examples may include:

- ? specific direct access improvements for residents
- ? improved access to destinations such as jobs, school, health care or other;
- ? new transportation services or modal options;
- ? and/or community connection and cohesion improvements.

This is not an exhaustive list. Since residents of affordable housing are more likely not to own a private vehicle, higher points will be provided to roadway projects that include other multimodal access improvements. A full response will support the benefits claimed, identify benefits specific to residents of affordable housing, identify benefits addressing a transportation issue affecting residents of affordable housing specifically identified through engagement, and substantiate benefits with data.

Response:

The proposed project's proximity to a large concentration of affordable housing will directly increase access for currently under-served residents of affordable housing. 301 units of affordable housing are located on County Road D within the project area. These buildings make up the entirety of affordable housing in Vadnais Heights, and the completion of this project would allow these residents to access the greater network of bicycle and pedestrian facilities, increasing access to employment, retail, and parks and recreation without the need for a motor vehicle. Currently, County Road D does not have a sidewalk or trail, forcing residents to walk or bike directly on the roadway, co-mingling with motor vehicles and resulting in unsafe conditions. A new multiuse trail in this area would provide them with safe, comfortable methods of traveling by foot or on wheels. This includes destinations such as the Maplewood Mall area, a large concentration of jobs, retail, and food.

Not only does this give residents more options when deciding how to travel, but single-car or no-car households will have a marked improvement in their quality of travel. Public engagement has identified concerns from residents with unsafe and uncomfortable waiting conditions for students riding the school bus in the morning. A new multiuse path would give these children a safe place to wait without the need for conflict with motor vehicles during the morning rush hour.

The trail will connect to the greater network of bike trails in Ramsey County and the region, including access to the nearby Maplewood Mall area. In addition to being a major employment area, this site is a future station for the METRO Purple Line, a high-frequency transitway that will connect residents to employment opportunities in downtown St. Paul. The trail would also connect residents with the Regional Bicycle Trail Network and to a major east/west trail directly south of County Road D. This trail would not only expand the area accessible by residents, but also give access to outdoor areas for residents to enjoy and recreate in.

With the increased access afforded by the multiuse trail and the connections to the greater regional bicycle network to the east and west, residents of these units will have increased mobility options for choosing walking, biking, and transit for their daily needs. This area is designated as a Tier 1 bicycle route in the Regional Bicycle Trail Network, meaning bikers utilize this area, despite no designated facilities. More complete bike infrastructure is likely to further increase usage. A mid-street crossing will also be added, giving pedestrians and cyclists a marked, highly visible trail crossing across County Road D without the need to travel to an intersection.

(Limit 2,800 characters; approximately 400 words):

Measure D: BONUS POINTS

Project is located in an Area of Concentrated Poverty:

Project?s census tracts are above the regional average for population in poverty or population of color (Regional Environmental Justice Area): Yes

Project located in a census tract that is below the regional average for population in poverty or populations of color (Regional Environmental Justice Area):

Upload the ?Socio-Economic Conditions? map used for this measure.

PART 1: Qualitative assessment of project narrative discussing how the project will close a bicycle network gap, create a new or improved physical bike barrier crossing, and/or improve continuity and connections between jurisdictions.

Specifically, describe how the project would accomplish the following: Close a transportation network gap, provide a facility that crosses or circumvents a physical barrier, and/or improve continuity or connections between jurisdictions.

Bike system gap improvements include the following:

- Providing a missing link between existing or improved segments of a local transportation network or regional bicycle facility (i.e., regional trail or RBTN alignment);
- Improving bikeability to better serve all ability and experience levels by:
 - Providing a safer, more protected on-street facility or off-road trail;
 - Improving safety of bicycle crossings at busy intersections (e.g., through signal operations, revised signage, pavement markings, etc.); OR
 - Providing a trail adjacent or parallel to a highway or arterial roadway or improving a bike route along a nearby and parallet lower-volume neighborhood collector or local street.

Physical bicycle barrier crossing improvements include grade-separated crossings (over or under) of rivers and streams, railroad corridors, freeways and expressways, and multi-lane arterials, or enhanced routes to circumvent the barrier by channeling bicyclists to existing safe crossings or grade separations. Surface crossing improvements (at-grade) of major highway and rail barriers that upgrade the bicycle facility treatment or replace an existing facility at the end of its useful life may also be considered as bicycle barrier improvements. (For new barrier crossing projects, distances to the nearest parallel crossing must be included in the application to be considered for the full allotment of points under Part 1).

Examples of continuity/connectivity improvements may include constructing a bikeway across jurisdictional lines where none exists or upgrading an existing bicycle facility treatment so that it connects to and is consistent with an adjacent jurisdiction?s bicycle facility.

Response:

This trail has been identified as a high-priority project and selected by the county in part because of the pedestrian and cycling barriers that exist today. Without proper pedestrian facilities, residents and visitors to the area have been forced to walk in the ditch or on the roadway itself, creating the potential for dangerous conflict with vehicles. In the past five years, there have been four vehicle crashes in the project area and one bicycle crash. The bicycle crash occurred when a vehicle pulled out too far into the intersection while yielding to a crossing bike and resulted in a possible injury. The corridor has an injury critical index of 1.42, indicating that there is an above-expected amount of injury crashes.

A high visibility, mid-street crossing will also be added as a result of this project, creating a designated, marked area for pedestrians and bicycles to cross the road. Currently, pedestrians are forced to cross the road at uncontrolled crossings or when there is a break in traffic, risking a collision with a motor vehicle. The crossing will give the pedestrian the right-of-way and indicate where the driver should yield.

The curve of the roadway poses further risk of collision with pedestrians and bicyclists, as poor vehicle sight lines limit the amount of time a vehicle has to see a user in the roadway. Separating motorized traffic from non-motorized users at this curve will circumvent this barrier and increase safety for all.

The corridor has been identified in the Regional Bicycle Trail Network (RBTN) as a Tier 1 corridor. This designation signifies that despite obstacles to safe and comfortable cycling, bicyclists are currently utilizing this corridor for travel. Adding bicycle facilities along this road would connect to the network and close a key gap. Additionally, the additional crossings created through this project would allow for safe and defined north/south crossings, opening up access to a network of trails and parks south of the corridor.

The multi-use trail will be built to the standards outlined in Ramsey County's ADA Transition Plan and will fulfill all ADA Accessibility Requirements. Currently, this section of County Road D does not meet ADA requirements, as there are no safe or accessible areas for residents or visitors to travel by foot, bicycle, or wheelchair. This new trail will be built to ADA standards, including the designated mid-street crossing, and will allow people of all ability levels to travel along the corridor. PART 2: Regional Bicycle Barrier Crossing Improvements and Major River Bicycle Barrier Crossings

DEFINITIONS:

Regional Bicycle Barrier Crossing Improvements include crossings of barrier segments within the ?Regional Bicycle Barrier Crossing Improvement Areas? as updated in the 2019 Technical Addendum to the Regional Bicycle Barriers Study and shown in the RBBS online map (insert link to forthcoming RBBS Online Map). Projects must create a new regional barrier crossing, replace an existing regional barrier crossing at the end of its useful life, or upgrade an existing barrier crossing to a higher level of bike facility treatment, to receive points for Part 2.

Major River Bicycle Barrier Crossings include all existing and planned highway and bicycle/pedestrian bridge crossings of the Mississippi, Minnesota and St. Croix Rivers as identified in the 2018 update of the 2040 Transportation Policy Plan. Projects must create a new major river bicycle barrier crossing, replace an existing major river crossing at the end of its useful life, or upgrade the crossing to a higher level of bike facility treatment, to receive points for Part 2.

Yes

Projects that construct new or improve existing Regional Bicycle Barrier Crossings or Major River Bicycle Barrier Crossings will be assigned points as follows: (select one)

Tier 1

Tier 1 Regional Bicycle Barrier Orossing Improvement Area segments & any Major River Bicycle Barrier Orossings

Tier 2

Tier 2 Regional Bicycle Barrier Crossing Improvement Area segments

Tier 3

Tier 3 Regional Bicycle Barrier Orossing Improvement Area segments

Non-tiered

Orossings of non-tiered Regional Bicycle Barrier segments

No improvements

No Improvements to barrier crossings

If the project improves multiple regional bicycle barriers, check box.

Multiple

Projects that improve crossing of multiple regional bicycle barriers receive bonus points (except Tier 1 & MRBBCs)

Measure B: Deficiencies corrected or safety problems addressed

Response:

In the roadway's current state, non-motorized users are forced to walk along or in the roadway, as the area lacks any pedestrian facilities. This results in dangerous scenarios with increased chances for pedestrians to be struck by vehicles. County Road D contains angled intersections and sharp curves, decreasing sightlines and reducing the amount of time a driver has to react to pedestrians. Cyclists with lower levels of comfort are forced to bike on the road and may decide against riding a bike at all. Creating a multiuse trail along this road will provide a safer route for users currently walking and biking and allow new users to safely and comfortably choose those modes as well.

The most recent pedestrian/bicycle crash at this intersection occurred in 2019, at the intersection of County Road D and Labore Rd. A motor vehicle failed to come to a complete stop at the intersection and struck a bicyclist who was riding in the roadway. The corridor has an injury critical index of 1.42, indicating that there is an above-expected amount of injury crashes. Adding a multi-use trail would not only separate motor vehicles from bicycles and pedestrians but also create physical infrastructure on the ground that makes drivers aware of other users of the road.

The roadway and surrounding areas currently are unlit at night. Without lighting, it is difficult for vehicles to see pedestrians and cyclists traveling along the road and may fail to yield in time if the users are crossing the road. Traveling on foot at night without lighting can make residents feel unsafe, as it is difficult in low light to see others. This project includes adding lighting elements along the multi-use trail, which will benefit safety along the roadway by increasing visibility of and for users.

The proposed multi-use trail will contain several safety features to allow higher visibility for people walking or biking along County Road D while increasing comfort for users. Pedestrian lighting is to be added along the entire trail along this section, allowing drivers at night to see pedestrians well before they enter the roadway or intersection. This has the added benefit of increased safety for residents in the area, as lighting helps pedestrians feel more comfortable in an area at night.

The high visibility crossing will provide a safe crossing in the middle of the roadway. This will allow trail users to cross without the need to go to the intersection and reduces the need for crossing at unmarked areas. The lighting and signage will alert drivers of the crossing and the biker or pedestrian's right-of-way and indicate where the driver should stop.

(Limit 2,800 characters; approximately 400 words)

Measure A: Multimodal Elements

The project includes a multiuse path for bicycles and pedestrians, with high visibility crossings across County Road D. Currently, the roadway does not have any facilities for pedestrians, and users are forced to walk in the roadway or in the grass ditch adjacent to the road. With the completion of this project, users will have a comfortable, safe path to walk and bike. The crossing is located at the midpoint between intersections, which allows users to cross the roadway safely without the need to travel out of their way to an intersection. With high visibility signage and a marked crossing, cars will understand the need to yield to pedestrians and cyclists attempting to cross.

The trail closes an important gap in the RBTN and completes a piece of a Tier 1 corridor, connecting residents and visitors to the greater bicycle trail network. Tier 1 signifies that users are currently traveling along the corridor, despite the lack of high-quality bicycle facilities. The completion of this trail will not only give existing users a safer place to travel, but the increased comfort from off-street trails will also attract new riders.

Nearby transit includes Route 270, approximately one-half mile from the project. The proposed trail will improve access to the future METRO Purple Line, a planned high-frequency transitway that will provide all-day bi-directional service to/from downtown St. Paul. This new line will connect with existing and future light rail and bus rapid transit service, including the METRO Green Line, Gold Line, B Line, G Line, and H Line. Extensive public engagement has occurred surrounding the METRO Purple Line, including station area planning, routing and alignment, and scheduling. The completion date is still to be determined, but the project has already cleared environmental reviews by the Federal Transit Administration and has been given federal approval.

By providing dedicated, non-motorized facilities that connect to the regional transit system, this project will connect nearby residents to major employment centers in Maplewood and downtown Saint Paul. The Regional Bicycle and Trail Network Study identifies a major employment center at the Maplewood Mall. The proposed trail will provide residents from the 301 nearby affordable housing units with direct, non-motorized access to this employment center.

The project will also address resident concerns about unsafe and uncomfortable waiting conditions for students riding the school bus in the morning. A new multiuse path will give students a safe place to wait without the need for conflict with motor vehicles during the morning rush hour.

Transit Projects Not Requiring Construction

If the applicant is completing a transit application that is operations only, check the box and do not complete the remainder of the form. These projects will receive full points for the Risk Assessment.

Park-and-Ride and other transit construction projects require completion of the Risk Assessment below.

Check Here if Your Transit Project Does Not Require Construction

Measure A: Risk Assessment - Construction Projects

1. Public Involvement (20 Percent of Points)

Projects that have been through a public process with residents and other interested public entities are more likely than others to be successful. The project applicant must indicate that events and/or targeted outreach (e.g., surveys and other web-based input) were held to help identify the transportation problem, how the potential solution was selected instead of other options, and the public involvement completed to date on the project. The focus of this section is on the opportunity for public input as opposed to the quality of input. NOTE: A written response is required and failure to respond will result in zero points.

Multiple types of targeted outreach efforts (such as meetings or online/mail outreach) specific to this project with the general public and partner agencies have been used to help identify the project need.

Yes

At least one meeting specific to this project with the general public has been used to help identify the project need.

50%

At least online/mail outreach effort specific to this project with the general public has been used to help identify the project need.

50%

No meeting or outreach specific to this project was conducted, but the project was identified through meetings and/or outreach related to a larger planning effort.

No outreach has led to the selection of this project.

0%

25%

Describe the type(s) of outreach selected for this project (i.e., online or in-person meetings, surveys, demonstration projects), the method(s) used to announce outreach opportunities, and how many people participated. Include any public website links to outreach opportunities.

Response:

An open house for the proposed project was held on February 28, 2023 to share project information and solicit feedback from nearby community members. Residents in the area were notified by mail of the in-person session and opportunities to provide feedback online or over the phone. The in-person meeting included 20 attendees, many of whom voiced positive feedback on the new proposed crosswalks. Residents were concerned about school bus access during construction and noted that many children in the project area relied on buses to travel to school. Resident input also noted the need for a sufficient number of crossings throughout Couty Road D, especially as two school districts bus students along this segment. This feedback led to the addition of several crosswalks throughout the project area. For online users, a comment map allowed users to provide input and engage in two-way dialogues on issues. Link: https://www.ramseycounty.us/residents/roads-transportation/future-road-projects/future-road-construction-projects/county-road-d-reconstruction

Ramsey County had previously identified gaps and areas of high-stress facilities in the bicycle and pedestrian network through the Ramsey County Pedestrian and Bicycle Plan. This 2015 report involved a combination of geospatial data analysis and community engagement and conversations. Efforts included in-person engagement, open houses, public surveys, and listening sessions with populations historically underrepresented in the planning process. This was achieved by working closely with organizations working with specific populations or communities, holding meetings in places people were already congregating, and creating jargon-free, user-friendly materials. In this plan, County Road D was identified as a high-stress roadway with engagement participants expressing a desire for a connected network of walking and biking separated from motor vehicle traffic in the project area.

Ramsey County has the support of all adjacent cities for the completion of this project. Vadnais Heights, Maplewood, and Little Canada all specifically reference the need for multimodal options and connections in the project area in their 2040 comprehensive plans. Particularly, the Parks and Trails section in the comprehensive plan for Vadnais Heights designates this stretch of roadway as a "Planned Sidewalk/Off-Road Path." This plan was approved in 2019 after two years of planning and community engagement efforts by city staff.

(Limit 2,800 characters; approximately 400 words)

2. Layout (25 Percent of Points)

Layout includes proposed geometrics and existing and proposed right-of-way boundaries. A basic layout should include a base map (north arrow, scale; legend;* city and/or county limits; existing ROW, labeled; existing signals;* and bridge numbers*) and design data (proposed alignments; bike and/or roadway lane widths; shoulder width;* proposed signals;* and proposed ROW). An aerial photograph with a line showing the project?s termini does not suffice and will be awarded zero points. *If applicable

Layout approved by the applicant and all impacted jurisdictions (i.e., cities/counties/MnDOT. If a MnDOT trunk highway is impacted, approval by MnDOT must have occurred to receive full points. A PDF of the layout must be attached along with letters from each jurisdiction to receive points.

A layout does not apply (signal replacement/signal timing, stand-alone streetscaping, minor intersection improvements). Applicants that are not certain whether a layout is required should contact Colleen Brown at MnDOT Metro State Aid ? colleen.brown@state.mn.us.

100%

For projects where MnDOT trunk highways are impacted and a MnDOT Staff Approved layout is required. Layout approved by the applicant and all impacted local jurisdictions (i.e., cities/counties), and layout review and approval by MnDOT is pending. A PDF of the layout must be attached along with letters from each jurisdiction to receive points.

75%

Layout completed but not approved by all jurisdictions. A PDF of the layout must be attached to receive points.

50%

Layout has been started but is not complete. A PDF of the layout must be attached to receive points.

050

Layout has not been started

0%

Attach Layout

Please upload attachment in PDF form

1705104178038_20479 2023-11-30_CRD95Plan pages 1-15.pdf

Please upload attachment in PDF form

3. Review of Section 106 Historic Resources (15 Percent of Points)	
No known historic properties eligible for or listed in the National Register of Historic Places are located in the project area, and project is not located on an identified historic bridge	Yes
100%	
There are historical/archeological properties present but determination of ?no historic properties affected? is anticipated.	
Historic/archaological property impacted: determination of 2no adverse offect2	
anticipated	
80%	
Historic/archeological property impacted; determination of ?adverse effect? anticipated	
40%	
Unsure if there are any historic/archaeological properties in the project area.	
0%	
Project is located on an identified historic bridge	
4. Right-of-Way (25 Percent of Points)	
Right-of-way, permanent or temporary easements, and MnDOT agreement/limited-use permit either not required or all have been acquired	
100%	
Right-of-way, permanent or temporary easements, and/or MnDOT agreement/limited-use permit required - plat, legal descriptions, or official map complete	
50%	
Right-of-way, permanent or temporary easements, and/or MnDOT agreement/limited-use permit required - parcels identified	Yes
Picht-of-way permanent or temperary essements, and/or MnDOT	
agreement/limited-use permit required - parcels not all identified	
0%	
5. Railroad Involvement (15 Percent of Points)	
No railroad involvement on project or railroad Right-of-Way agreement is executed (include signature page, if applicable)	Yes
100%	
Signature Page	
Please upload attachment in PDF form	
Railroad Right-of-Way Agreement required; negotiations have begun	
50%	
Railroad Right-of-Way Agreement required; negotiations have not begun.	
0%	

Measure A: Cost Effectiveness

Total Project Cost (entered in Project Cost Form):	\$3,756,685.70
Enter Amount of the Noise Walls:	\$0.00
Total Project Cost subtract the amount of the noise walls:	\$3,756,685.70
Points Awarded in Previous Criteria	
Cost Effectiveness	\$0.00

Other Attachments

File Name	Description	File Size
101_One Page Project Description.pdf	One Page Project Summary	388 KB
102_Existing Conditions Photos.pdf	Existing Conditions Photos	1.9 MB
103_Project Layout and Construction Plans.pdf	Project Layout	2.4 MB
104_Cost Estimate.pdf	Cost Estimate	30 KB
110_Open House Summary.pdf	Open House Summary	242 KB
111_Ramsey County Pedestrian and Bicycle Plan.pdf	Ramsey County Pedestrian and Bicycle Plan	12.7 MB
112_Ramsey County Economic Competitiveness and Inclusion Plan.pdf	Ramsey County Economic Competitiveness and Inclusion Plan	1.0 MB
113_Ramsey County Transportation Improvement Plan.pdf	Ramsey County Transportation Improvement Plan	1005 KB
114_Vadnais Heights 2040 Comprehensive Plan Trails Map.pdf	Vadnais Heights 2040 Comprehensive Plan Trails Map	1.5 MB





Socio-Economic Conditions Multiuse Trails and Bicycle Facilities Project: County Road D Multiuse Trail | Map ID: 1701357845372

Results

Total of publicly subsidized rental housing units in census tracts within 1/2 mile: 286

Project located in census tract(s) that are ABOVE the regional average for population in poverty or population of color.

Lines



Regional Environmental Justice Area

8

⊐ Miles



2

6

Created: 11/30/2023 LandscapeRSA2

For complete disclaimer of accuracy, please visit http://giswebsite.metc.state.mn.us/gissite/notice.aspx

STORM SEWER TRABULATION

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DATE

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	CHECKED	MISCELLANEOUS DETAILS	86
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SHEET NO. 12 OF 86 SHEETS







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WALK NON-WALKABLE OR WALKABLE SURFACE
WALK (4)
NON-WALKABLE OR WALKABLE SURFACE
BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES
IL TOIL OF WALK IS THAT HAVE KONNING SLOTEST THAN 2 VIP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY I THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%. RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE 'UDINAL RUNNING SLOPE IS GREATER THAN 5.0%. INTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP HALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES. SE WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL, THUS BOTH OF WALKING SUDFACE AND THE PERPENDICULAR TO THE PATH OF TRAVEL, THUS BOTH
ED WALKING SUMPACE MUST BE EQUAL LENGTH. EXCEPT AS STATED IN (6) BELOW. S AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF CE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY NT CONCRETE POUR.FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 OF 6 FELY POURED INITIAL LANDINGS. 'S AT BACK OF CURB, TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE. VE BOULEVARD DRAINAGE TO TOP OF CURB. SHOULD HAVE A MINIMUM 3'LONG RAMP LENGTH.
IS ALLOWED. OR ORDERING RECTANGULAR DETECTABLE WARNING IN THE PATH OF TRAVEL. DETECTABLE WARNING NTIRE PAR WIDTH OF SHARED-USE PATHS AND THE ENTIRE PAR WIDTH OF THE WALK ION OF 3" MAXIMUM ON EACH OUTSIDE EDGE WHICH ENSURES THE DETECTABLE VCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES IS ALLOWED. OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE 6" LESS ING PAR. ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE
D FEET. TECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB.RADIAL NINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB.
EIGHT CURB. PTH LANDING REQUIRED ACROSS TOP OF RAMP. WHEN USING A 3'LONG RAMP,4" HIGH CURB WHEN USING A 4'LONG RAMP. OF 6, TYPICAL SIDE TREATMENT OPTIONS,FOR DETAILS ON FLARES
ARNINGS MAY BE PART OF THE 4'X 4'MIN.LANDING AREA IF IT IS NOT CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA. EAK SHALL BE PERPENDICULAR TO THE BACK OF WALK. THIS WILL ENSURE DE BREAK IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.(TYPICAL FOR ALL) T TO GRASS, GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS LESS THAN 5% RUNNING BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE REMOVAL.
RADIUS GRADE BREAK IS REQUIRED TO BE CONSTRUCTIBLE. LK WIDTH.
IN FANS SHALL ONLY BE USED WHEN ALL OTHER FEASIBLE OPTIONS HAVE BEEN ID DEEMED IMPRACTICAL.
VEDIATE CURB HEIGHT TO 2+ INCHES IF NECESSARY TO MATCH ADJACENT SIDEWALK GRADES.
JGIIUDINAL SLOPE RANGES SHALL BE THE STARTING POINT.IF SITE IS WARRANT,LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.
0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN ND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.
DICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER HAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN ND CROSS SLOPE SHALL NOT EXCEED 2.0%.
ANDING AREA - 4'X 4'MIN.(5'X 5'MIN.PREFERRED) DIMENSIONS AND MAX 0% SLOPE IN ALL DIRECTIONS.LANDING SHALL BE FULL WIDTH OF INCOMING PARS.
JRB HEIGHT

PEDESTRIAN CURB RAMP DETAILS

SHEET NO. 14 OF 86 SHEETS



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LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE. INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15'FROM THE BACK OF CURB, WITH 6'FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%. SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%. CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOP GRADE BREAK OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES. ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH. TO ENSURE INITIAL RAMPS AND INITIAL LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS SHALL BE CAST SEPARATELY.FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 AND THE ADA SPECIAL PROVISION (PROSECUTION OF WORK). TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE. WHEN THE BOULEVARD IS 4'WIDE OR LESS, THE TOP OF CURB TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR. ALL RAMP TYPES SHOULD HAVE A MINIMUM 3'LONG RAMP LENGTH. 4'MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS.DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL.DETECTABLE WARNING TO COVER THE ENTIRE PAR WIDTH OF SHARED-USE PATHS AND THE ENTIRE PAR WIDTH OF THE WALK WITH THE EXCEPTION OF 3" MAXIMUM ON EACH OUTSIDE EDEC WHICH ENSURES THE DETECTABLE WARNINGS ARE ENCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES O" - 3" OFFSET IS ALLOWED WHEN DESIGNING OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE 6" LESS THAN THE INCOMING PAR.ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB. SEE NOTES 0 & 1 FOR INFORMATION REGARDING RECTANGULAR DETECTABLE WARNING PLACEMENT. (3) 3" MINIMUM CURB HEIGHT (5.5' MIN. DISTANCE REQUIRED BETWEEN DOMES) 4" PREFERRED (7' MIN. DISTANCE REQUIRED BETWEEN DOMES). (4) THE "BUMP" IN BETWEEN THE RAMPS SHOULD NOT BE IN THE PATH OF TRAVEL FOR COMBINED DIRECTIONAL RAMPS. IF THIS OCCURS MODIFY THE RAMP LOCATION OR SWITCH RAMP TO A FAN/DEPRESSED CORNER. 5 when using concrete paved flares on the outside of directional ramps, and adjacent to a walkable surface, directional ramp flares shall be used. See the detail on this sheet. (6) GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL. (7) MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER. (9) place domes at the back of curb when allowable setback criteria is exceeded.

(1) FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK O'MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5'MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY INFORMATION

(1) RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK UP TO 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.

(12) FOR DIRECTIONAL RAMPS WITH THE DETECTABLE WARNINGS PLACED AT THE BACK OF CURB, THE DETECTABLE WARNINGS SHALL COVER THE ENTIRE WIDTH OF THE WALK/PATH, THIS ENSURES A DETECTABLE EDGE AND HELPS ELIMINATE THE CURB TAPER OBSTRUCTING THE PATH OF PEDESTRIAN TRAVEL.

(13) THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

(14) TO BE USED FOR ALL DIRECTIONAL RAMPS, EXCEPT WHERE DOMES ARE PLACED ALONG THE BACK OF CURB. (5) PLACE 2 NO. 4 BARS 4 INCHES FROM SIDE OF FORMS WITH A MINIMUM 2 INCHES OF CONCRETE COVER ALONG EACH SIDE OF FLARE (INCIDENTAL).

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%. LANDING AREA - 4'X 4'MIN. (5'X 5'MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

PEDESTRIAN CURB RAMP DETAILS

SHEET NO. 15 OF 86 SHEETS


Applicant: Ramsey County

Route: County Road D

Location: Vadnais Heights, Maplewood, Little Canada

Application Category: Multi Use Trails and Bicycle Facilities

Regional Solicitation Request: \$3,005,348.56

Local Match: \$751,337.14

Total: \$3,756,685.70

Primary Contact:

Alan Maxwell, Engineer III 651-266-7157 Alan.Maxwell@ramseycounty.us

Project Benefits:

- Decrease chance of pedestrian and bicycle crashes
- Construct a trail along a Tier 1 RBTN Alignment
- Upgrade facilities to meet ADA requirements
- Connect to over 300 units of affordable housing
- Provide non-motorized access to jobs in the Maplewood Mall area
- Connect to the future METRO Purple line and greater transit network

Want more information? RamseyCounty.us/CountyRoadD

Project Description

County Road D is a minor arterial road located in Ramsey County that over time has deteriorated in quality. With its reconstruction, Ramsey County has an opportunity to provide multimodal connections to areas of high need and further complete the region's Regional Bicycle Network with a new trail along a Tier 1 RBTN Alignment. The proposed project will include the addition of an off-street, multi-use path on a minor arterial road, along an approximately one-mile segment from Greenbrier Street to County Road D Circle.



Regional Significance

The corridor has been identified in the Regional Bicycle Trail Network (RBTN) as a Tier 1 corridor. The trail will connect to the greater network of bike trails in Ramsey County and the region, including access to the nearby Maplewood Mall area. In addition to being a major employment area, this site is a future station for the METRO Purple Line, a high-frequency transitway that will connect residents to employment opportunities in downtown St. Paul. Adding bicycle facilities along this road would connect to the network and close a key gap.

The project is essential for providing safe transportation options for residents of Vadnais Heights, Little Canada, and Maplewood. The proposed trail's proximity to a large concentration of affordable housing will result in direct benefits for high-need residents. Roadway users who use non-motorized modes of transportation have worn a makeshift path in the greenspace near the County Road D because walking and biking does not feel safe. A multiuse trail on this roadway will improve safety and comfortability for corridor travelers and connect residents to nearby employment and retail opportunities and outdoor recreation areas.



Attachment 2

Existing Conditions in the Project Area



Figure 1 – Evidence of roadway condition



Figure 2 –Affordable housing building with pedestrian connections terminating at roadway



Figure 3 – Pedestrian forced to walk on the shoulder of County Road D near the intersection of County Road D and Labore Rd



Figure 4 – Evidence of high pedestrian activity along County Road D with dirt path worn into roadside



Figure 5 – Metro Transit bus stop in front of affordable housing building



Figure 6 – Evidence of driveway condition



Figure 7 – Additional evidence of roadway condition



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GOVERNING SPECIFICATIONS THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."												
<u>Sheet no.</u>	INDEX											
$ \begin{array}{c} 1\\ 2\\ 3\\ 4-5\\ 6\\ 7\\ 8\\ 9-11\\ 12-36\\ 37-40\\ 41-44\\ 45-48\\ 49-56\\ 57-62\\ 63-70\\ 71-74\\ 75-77\\ 78-84\\ 85-86\\ xS1-xS15 \end{array} $	TITLE SHEET GENERAL LAYOUT LEGEND STATEMENT OF ESTIMATED QUANTITIES CONSTRUCTION NOTES & STANDARD PLATES STORM SEWER TABULATION TYPICAL SECTIONS MISCELLANEOUS DETAILS STANDARD PLANS ALIGNMENT PLAN & TABULATION EXISTING CONDITIONS PLAN REMOVAL PLAN CONSTRUCTION PLAN & PROFILE INTERSECTION DETAILS DRAINAGE PLAN EROSION & SEDIMENT CONTROL PLAN STORMWATER POLLUTION PREVENTION PLAN SIGNING & PAVEMENT MARKING PLAN TRAFFIC CONTROL PLAN CROSS SECTIONS											
THIS PLAN CONTAINS 101 SHEETS												
BOLTON WANKATO, MINNESOTA 56001 Phone: (507) 625-4171 Email: Mankato@bolton-menk.com www.bolton-menk.com												
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: XXXX LICENSE * XXXX DATE: XX-XX-XXXX SIGNATURE:												
APPROVED: RAMSEY COU	NTY ENGINEER 20											
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STATE AID ENGINEER: 20 APPROVED FOR STATE AID FUNDING												
S.A.P. NO. 062-619-039, 200-020-014, SHEET NO. 1 OF 86 209-020-014, 138-020-048												
Roadway Construction Improvements												
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Road Name	Road No.	Termini	Lead Agency	City	Work Proposed	2023	2024	2025	2026	2027	Total	
County Road B	25	Snelling Ave.to Lexington Ave.	RC	RV	Construction		\$4,800				\$4,800	
County Road C	23	Lexington Ave. to Little Canada Road	RC	LC/RV	Construction	\$200	\$300	\$1,000	\$6,600		\$8,100	
County Road D	19	Greenbrier St. to CR D Cir.	RC	LC/VH/MW	Construction	\$560	<mark>\$700</mark>	\$7,875			\$9,135	
County Road E	15	at Old Snelling Ave.	AH	AH	Construction	\$1,800					\$1,800	
County Road J	81	Centerville Rd.to Otter Lake Rd.	RC	NO/WBT	Construction	\$750	\$1,250	\$25,500			\$27,500	
County Road J	81	at Hodgson Rd.	AC	SV	Construction		\$2,820				\$2,820	
Dale Street	53	Como Ave. to TH 36	RC	SP/RV	Construction	\$500	\$3,300				\$3,800	
Dale Street	53	Grand Ave. to Inglehart St.	RC	SP	Construction	\$150	\$300	\$2,100			\$2,550	
Eustis Street	127	St Paul Border to Larpenteur Ave	RC	LD	Construction	\$300	\$610	\$1,910			\$2,820	
Hodgson Road	49	Gramsie Rd. to CSAH 96	RC	SV/VH	Construction	\$11,365					\$11,365	
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	Construction	\$400	\$400	\$1,910	\$1,025	\$1,050	\$4,785	
Jackson Street	55	Rose Ave. to Arlington Ave.	RC	SP	Construction	\$400	\$400	\$1,000	\$11,000		\$12,800	
Lexington Parkway	51	Shepard Rd. to W. 7th St.	RC	SP	Construction	\$4,000					\$4,000	
Maryland Avenue	31	Clark to Edgerton St.	RC	SP	Construction		\$275	\$200	\$1,400		\$1,875	
Old Highway 8	77	Over MCRR	RC	NB	Bridge Replacement					\$2,400	\$2,400	
Otter Lake Road	60	CSAH 96 to 4th Ave.	RC	WB	Construction	\$1,100	\$4,285				\$5,385	
Rice Street	49	CR B2 to South Owasso Blvd	RC	LC/RV	Planning/Design				\$500	\$3,000	\$3,500	
Rice Street	49	Maryland Ave. to Wheelock Pkwy	RC	SP	Construction	\$600	\$13,400				\$14,000	
Rice Street	49	Pennsylvania Ave. to Maryland Ave.	RC	SP	Construction	\$750		\$8,100			\$8,850	
Rice Street	49	Wheelock Pkwy. to CR B	RC	MW/RV/SP	Construction	\$450			\$7,800		\$8,250	
TCAAP Spine Road		CSAH 96 to CR H	RC	AH	Construction					\$20,000	\$20,000	
TH120		TH36 Interchange	MnDOT	NSP	Construciton					\$40,000	\$40,000	
White Bear Ave	65	Larpenteur Ave. to North St Paul Rd.	RC	MW/SP	Construction		\$9,051				\$9,051	
					Total	\$23,325	\$41,891	\$49,595	\$28,325	\$66,450	\$209,586	

2023-2027 TRANSPORTATION IMPROVEMENT PROGRAM

2023 Projects

				Roadway	Construction Improveme	nts							
Road Name	Road No.	Termini	Lead Agency	City	Work Type	CSAH	County	County Turnback	Local	State	Federal	Other	Total
County Road C	23	Lexington Ave. to Little Canada Rd.	RC	LC/RV	Planning/Design	\$200							\$200
County Road D	19	Greenbrier St. to CR D Cir.	RC	LC/MW/V	Planning/Design	\$450			<mark>\$110</mark>				<mark>\$560</mark>
County Road E	15	at Old Snelling Ave.	RC	AH	Construction	\$1,300			\$500				\$1,800
County Road J	81	Centerville Rd. to Otter Lake Rd.	RC	NO/WBT	Planning/Design/ROW	\$250			\$250			\$250	\$750
Dale Street	53	Como Ave. to TH 36	RO	SP/RV	Planning/Design/ROW	\$250			\$250				\$500
Dale Street	53	Grand Ave. to Inglehart St.	RC	SP	Planning/Design/ROW	\$150							\$150
Eustis Street	127	St Paul Border to Larpenteur Ave.	RC	LD	Planning/Design		\$300		\$0				\$300
Hodgson Road	49	Gramsie Rd. to CSAH 96	RC	SV/VH	Construction			\$9,640	\$1,725				\$11,365
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	Planning/Design	\$200			\$200				\$400
Jackson Street	55	Rose Ave. to Arlington Ave.	RC	SP	Planning/Design	\$200			\$200				\$400
Lexington Parkway	51	Shepard Rd. to W. 7th St.	RC	SP	Construction				\$1,500		\$2,500		\$4,000
Old Highway 8	77	CR E to 5th St. NW	RC	NB	Preservation/Signals	\$1,300	\$1,300		\$300				\$2,900
Otter Lake Rd	60	CSAH 96 to 4th St.	RC	WB	Right of way	\$550			\$550				\$1,100
Rice Street	49	Maryland Ave. to Wheelock Pkwy	RC	SP	Right of way			\$300	\$300				\$600
Rice Street	49	Pennsylvaniua Ave. to Maryland Ave.	RC	SP	Right of way			\$500	\$250				\$750
Rice Street	49	Wheelock Pkwy to CR B	RC	SP/MW/RV	Right of way			\$300	\$150				\$450
Total						\$4,650	\$1,600	\$10,740	\$6,285	\$0	\$2,500	\$250	\$26,225

2023-2027 TRANSPORTATION IMPROVEMENT PROGRAM

2024 Projects

				Roadway Co	onstruction Improve	ments							
Road Name	Road No.	Termini	Lead Agency	City	Work Type	CSAH	County	County Turnback	Local	State	Federal	Other	Total
County Road B	25	Snelling Ave.to Lexington Ave.	RC	RV	Construction	\$3,900			\$900				\$4,800
County Road C	23	Lexington Ave. to Little Canada Rd.	RC	LC/RV	Planning/Design	\$300			\$300				\$600
County Road D	19	Greenbrier St. to CR D Cir.	RC	LC/MW/VH	Right of way	\$350			<mark>\$350</mark>				\$700
County Road J	81	Centerville Rd. to Otter Lake Rd.	RC	NO/WBT	Right of way	\$500			\$500			\$250	\$1,250
County Road J	81	at Hodgson Rd.	Anoka	SV/LL	Construction	\$1,000			\$20			\$1,800	\$2,820
Dale Street	53	Como Ave. to TH36	RC	RV/SP	Construction	\$1,750			\$650		\$900		\$3,300
Dale Street	53	Grand Ave. to Inglehart St.	RC	SP	Right of way		\$300						\$300
Eustis Street	127	St Paul Border to Larpenteur Ave.	RC	LD	Right of way		\$305		\$305				\$610
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	Planning/Design	\$200			\$200				\$400
Jackson Street	55	Rose Ave. to Arlington Ave.	RC	SP	Planning/Design	\$200			\$200				\$400
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	Planning/Design	\$200			\$75				\$275
Otter Lake Road	60	CSAH 96 to 4th St.	RC	WB	Construction	\$4,055			\$230				\$4,285
Rice Street	49	Maryland Ave. to Wheelock Pkwy	RC	SP	Construction	\$6,100		\$2,500	\$1,300		\$3,500		\$13,400
White Bear Avenue	65	Larpenteur Ave. to North St Paul Rd.	RC	MW/SP	Construction	\$8,372			\$679				\$9,051
Total						\$26,927	\$605	\$2,500	\$5,709	\$0	\$4,400	\$2 <i>,</i> 050	\$42,191

2023-2027 TRANSPORTATION IMPROVEMENT PROGRAM

2025 Projects

Roadway Construction Improvements													
Road Name	Road No.	Termini	Lead Agency	City	Work Type	CSAH	County	County Turnback	Local	State	Federal	Other	Total
County Road C	23	Lexington Ave. to Little Canada Rd.	RC	LC/RV	Right of Way	\$600			\$400				\$1,000
County Road D	19	Greenbrier St. to CR D Cir.	RC	LC/MW/VH	Construction	\$6,975			\$900				\$7,875
County Road J	81	Centerville Rd. to Otter Lake Rd.	RC	NO/WBT	Construction	\$3,500			\$1,000	\$10,000	\$10,000	\$1,000	\$25,500
Dale Street	53	Grand Ave. to Inglehart St.	RC	SP	Construction		\$100				\$2,000		\$2,100
Eustis Street	127	St Paul Border to Larpenteur Ave.	RC	LD	Construction		\$1,800		\$110				\$1,910
Jackson Street	55	Pennsylvania Ave. to Acker St.	RC	SP	Right of Way	\$500			\$500				\$1,000
Jackson Street	55	Rose Ave. to Arlington Ave.	RC	SP	Right of Way	\$500			\$500				\$1,000
Maryland Avenue	31	Clark St. to Edgerton St.	RC	SP	Right of Way	\$100			\$100				\$200
Rice Street	49	Front St. to Maryland Ave.	RC	SP	Construction			\$3,100	\$1,500		\$3,500		\$8,100
Total						\$12,175	\$1,900	\$3,100	\$5,010	\$10,000	\$15,500	\$1,000	\$48,685

Roadway Pavement Preservation Improvements													
Road Name	Road No.	Termini	Lead Agency	City	Work Type	CSAH	County	County Turnback	Local	State	Federal	Other	Total
Beam Avenue	20	US 61 to Swanson St. (Mall Entrance)	RC	MW	Pavement Preservation		\$750						\$750
County Road D	19	Silver Lake Rd. to US88	RC	SA/NB/RV	Pavement Preservation	\$1,170							\$1,170
Division Street	151	Stillwater Rd. to Park Ave.	RC	WBT	Pavement Preservation		\$150						\$150
Hamline Avenue	50	CR C to Snelling Ave.	RC	RV/AH	Pavement Preservation		\$715						\$715
Hodgson Road	49	Hwy 96 to Tanglewood Dr	RC	SV	Pavement Preservation		\$150						\$150
Larpenteur Avenue	30	East Shore Dr to Flandrau St.	RC	MW/SP	Pavement Preservation	\$550							\$550
Long Lake Road/10th Street	45/12	I-694 to Old Hwy 8	RC	NB	Pavement Preservation		\$460						\$460
McKnight Road	68	Carver Ave. to Londin ln.	RC	MW/SP	Pavement Preservation		\$770						\$770
Silver Lake Road	44	Mississippi St. to Mounds View Blvd	RC	NB/MV	Pavement Preservation	\$650	\$550						\$1,200
Van Dyke Street	150	Ripley Ave. to White Bear Ave.	RC	MW	Pavement Preservation		\$250						\$250
Total						\$2,370	\$3,795	\$0	\$0	\$0	\$0	\$0	\$6,165



