Application
19830-2024 Bridges
20038 - CSAH 121 (Fembrook Ln) Bridge Replacement Project
Regional Solicitation - Roadways Including Multimodal Elements
Status:
Submitted
Submitted Date: 12/14/2023 8:27 AM

## Primary Contact

Feel free to edit your profile any time your information changes. Create your own personal alerts using My Aerts.

| Name:* | He/him/his <br> Pronouns | Jason <br> First Name | Richard <br> Middle Name | Pieper <br> Last Name |
| :---: | :---: | :---: | :---: | :---: |
| Title: | Transportation Engineer |  |  |  |
| Department: | Hennepin County - Transportation Department |  |  |  |
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| Address: | 1600 Prairie Drive |  |  |  |
| * | Medina | Minnesota |  |  |
|  | City | State/Province |  |  |
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## Fax:

What Grant Programs are you most interested in?
Regional Solicitation - Roadways Including Multimodal Elements

## Organization Information

Name:
Jurisdictional Agency (if different):
Organization Type:
Organization Website:
Address:


County:
Phone:*

Fax:
PeopleSoft Vendor Number

HENNEPIN COUNTY

County Government

DPT OF PUBLIC WORKS
1600 PRAIRIE DR

| MEDINA | Minnesota | 55340 |
| :--- | :--- | :--- |
| City | State/Province | Postal Code/Zip |

Hennepin
763-745-7600

0000028004A9

## Project Information

Project Name
Primary County where the Project is Located
Cities or Townships where the Project is Located:
Jurisdictional Agency (If Different than the Applicant):

CSAH 121 (Fernbrook Ln) Bridge Replacement Project
Hennepin
Maple Grove

Brief Project Description (Include location, road name/functional class, This project includes the replacement of the CSAH 121 (Fernbrook Ln) Bridge
type of improvement, etc.) \#90617 over Rush Creek in the City of Maple Grove as shown in Attachment 02. CSAH 121 (Fernbrook Ln) is classified as a Major Collector.

The existing bridge (built in 1949) consists of a cast-in-place concrete box culvert that spans Rush Creek. The structure is in relatively poor condition, and therefore, has been classified as structurally deficient. The culvert is showing evidence of cracking and spalling that has exposed the structural rebar, especially at the base of the south wall. Routine maintenance activities are no longer cost effective in extending the useful life of this bridge, therefore, a full replacement is recommended. In addition, the shoulders surrounding the structure are showing signs of erosion. The local planning index for this bridge is 46 as shown in Attachment 03. Photos depicting the structure's existing conditions are included in Attachment 04.

The proposed project will replace the deteriorating structure with a modern concrete box culvert that will be designed to provide a $75-$ year service life. For people walking and biking, it is anticipated the culvert barrels and end sections will be designed to accommodate future multiuse trails along one or both sides of CSAH 121 (Fernbrook Ln).

This project will construct two box culverts. In addition, a separate box culvert exclusive for people walking and biking will be considered as part of the project development process to provide a grade separated crossing for multimodal users along the future Three Rivers Park District Rush Creek Regional Trail. Any pavement, sidewalk, and drainage structures impacted by the project will be replaced in-kind.

This project is located within close proximity to Three Rivers Park District's Elm Creek Park Reserve that serves as a destination for the Crystal Lake Regional Trail, Medicine Lake Regional Trail, and Rush Creek Regional Trail.

Preservation of this structure is key in supporting future residential development that's occurring in this area of Maple Grove and nearby Dayton. Without additional improvements, the bridge structure will continue to deteriorate, and weight restrictions will likely be required. The potential typical section for this project is included in Attachment 05 and the potential concept can be found in Attachment 06.
(Limit 2,800 characters; approximately 400 words)
TRANSPORTATIONIMPROVEMENT PROGRAM (TIP) DESCRIPTION - will be used in TIP CSAH 121 (Fernbrook Ln) over Rush Creek in Maple Grove - Replace Bridge if the project is selected for funding. See MnDOT's TIP description guidance. \#90617
Include both the CSAHMSAS/TH references and their corresponding street names in the TIP Description (see Resources link on Regional Solicitation webpage for examples).
Project Length (Miles)
0.06
to the nearest one-tenth of a mile

## Project Funding

Are you applying for competitive funds from another source(s) to implement this No
project? project?

No
If yes, please identify the source(s)
Federal Amount $\quad \$ 1,968,000.00$
Match Amount $\quad \$ 492,000.00$
Minimumof 20\% of project total
Project Total
\$2,460,000.00
For transit projects, the total cost for the application is total cost minus fare revenues.

## Match Percentage

 20.0\%
## Minimumof 20\%

Compute the match percentage by dividing the match anount by the project total
Source of Match Funds Hennepin County
A minimum of $20 \%$ of the total project cost must cone fromnon-federal sources; additional match funds over the $20 \%$ minimumcan come fromother federal sources
Preferred Program Year
Select one:
Select 2026 or 2027 for TDM and Unique projects only. For all other applications, select 2028 or 2029.
Additional Program Years:
2027
Select all years that are feasible if funding in an earlier year becomes available.

## Project Information-Roadways

NOTE: If your project has already been assigned a State Aid Project \# (SAP or SP), please Indicate SAP\# here
SAP\#:
County, City, or Lead Agency
Functional Class of Road
Road System
TH, CSAH, MSAS, CO. RD., TMP. RD., CITY STREET
Road/Route No.
Hennepin County
Major Collector
CSAH
i.e., 53 for CSAH 53

Name of Road
Example; 1st ST., MAINAVE
TERMIN:(Termini listed must be within 0.3 miles of any work)
From:
Road System

## Road/Route No.

i.e., 53 for CSAH 53

Name of Road
Example; 1st ST., MAINAVE
To:
Road System
DO NOTINCLUDE LEGAL DESCPIPTION

## Road/Route No.

i.e., 53 for $\operatorname{CSAH} 53$

Name of Road
Example; 1st ST., MAINAVE
In the City/Cities of:
(List all cities within project linits)
OR:
At:
Road System
(TH, CSAH, MSAS, $O$. RD., TMP. RD., aity Street)
Road/Route No.
i.e., 53 for $\operatorname{CSAH} 53$

## Name of Road

Bridge 90617
Example; 1st ST., MAINAVE
In the City/Cities of:
Maple Grove
(List all cities within project linits)
PROJECT LENGTH
Miles 0.06
(nearest 0.1 miles)
Primary Types of Work (check all the apply)
New Construction
Reconstruction
Resurfacing
Bituminous Pavement
Concrete Pavement
Roundabout
New Bridge
Bridge Replacement

## Bridge Rehab

## New Signal

Signal Replacement/Revision
Bike Trail
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):

## OTHER INFORMATION:

Zip Code where Majority of Work is Being Performed 55369
Approximate Begin Construction Date 05/01/2028
$\begin{array}{ll}\text { Approximate End Construction Date } & \text { 10/31/2028 }\end{array}$
Miles of Trail (nearest 0.1 miles) 0
Miles of Sidewalk (nearest 0.1 miles) 0
Miles of trail on the Regional Bicycle Transportation Network (nearest 0.1 miles): 0
Is this a new trail? No

## 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.
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:
A) Transportation System Stewardship (p 2.2-2.4)

Objectives A \& B; Strategies A1 \& A2
The project will replace a structurally deficient box culvert that provides key connections to Maple Grove Parkway, County Road 81 and I-94. The replacement project serves as a cost-effective manner to preserve the transportation system. The bridge is approaching the end of useful life and deferred replacement would result in closure of the bridge and roadway.
B) Safety and security (p 2.5-2.9)

Objectives A \& B; Strategies B1, B3, B4 \& B6
The project will address structural safety concerns related to the deficiency of the bridge. Deteriorating assets result in unsafe conditions and will worsen over time. The project will widen the shoulders making it feel safer for all users and provide pull off locations for incidents on the bridge.
C) Access to destinations (p 2.10-2.25)

Objectives A, B, C, D \& E; Strategies C1, C2, C3, C4, C8, C9, C15, C16 \& C17
CSAH 121 (Fernbrook Ln) serves as a major collector for north-south travel in Maple Grove and Dayton. The project provides direct connection to residential and recreational destinations, including the Elm Creek Park Reserve.
D) Competitive economy (p 2.26-2.29)

Objectives A, B \& C; Strategies D1, D3 \& D4
The project area serves needs for people to access residential and recreational locations. Replacing the bridge will allow the roadway to remain open to provide access to residents in the northeastern region of the county. The project is within the proximity of a significant planned multiuse development including single-family homes, townhomes and senior living.
E) Healthy and equitable communities (p 2.30-2.34)

Objectives A, B, C \& D; Strategies E1, E2, E3, E4, E5, E6 \& E7
The project will replace the bridge and reconstruct the culvert. The culvert replacement sets up a future trail connection to the Elm Creek Park Reserve. The future trail connection may align with timing of future developments, making this area healthier with active transportation options.
F) Leveraging transportation investments to guide land use (p 2.35-2.41)

Objectives A \& C; Strategies F1, F2, F3, F5, F6, F7
The project supports a design that suits the suburban edge area. The adjacent properties are actively developing into multifamily units for single family, townhomes and senior housing. Replacing the bridge asset ensures that the area is attractive and suitable for development opportunities in the community.
2) Hennepin County 2040 Transportation Plan (pages 2-11-2-18)

URL: hennepin.us/-/media/hennepinus/your-government/projects-initiatives/2040-comprehensive-plan/2040-comprehensive-plan-full.pdf

## 3) Hennepin County Climate Action Plan (pages 50-54)

URL: hennepin.us/climate-action/-/media/climate-action/hennepin-county-climate-action-plan-final.pdf
4) Hennepin County Complete and Green Streets Policy (pages 10-11)

URL: hennepin.us/-/media/hennepinus/your-government/projects-initiatives/complete-streets/Complete-and-Green-Streets-Policy_Oct2023.pdf

## imit 2,800 characters, approximately 400 words


 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. Yes
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.
Check the box to indicate that the project meets this requirement. Yes
6. Applicants must not submit an application for the same project elements in more than one funding application 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 belowin 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).

Strategic Capacity (Roadway Expansion): \$1,000,000 to \$10,000,000
Roadway Reconstruction/M odernization: \$1,000,000 to \$7,000,000
Traffic Management Technologies (Roadway System M anagement): \$500,000 to \$3,500,000
Spot M obility and Safety: \$1,000,000 to \$3,500,000
Bridges Rehabilitation/Replacement: \$1,000,000 to \$7,000,000
Check the box to indicate that the project meets this requirement. Yes
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 (TIP) and approved by USDOT, the public agency sponsor must either have a current Americans with Disabilities Act (ADA) self-evaluation or transition plan that covers the public right of way/transportation, as required under Title II of the ADA. The plan must be completed by the local agency before the Regional Solicitation application deadline. For future Regional Solicitation funding cycles, this requirement may include that the plan has undergone a recent update, e.g., within five years prior to application.
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
(TDM and Unique Project Applicants Only) The applicant is not a public agency
subject to the self-evaluation requirements in Title II of the ADA.
Date plan completed:
08/31/2015
Link to plan:
hennepin.us/-/media/hennepinus/residents/transportation/documents/ada-sidewalk-transition-plan.pdf

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.
11. The ouner/operator of the facility must operate and maintain the project year-round for the useful life of the improvement. This includes assurance of year-round use of bicycle, pedestrian, and transit facilities, per FHWA direction established 8/27/2008 and updated 4/15/2019. Unique 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 ?independent utility? means the project provides benefits described in the application by itself and does not depend on any construction elements of the project being funded from other sources 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 project is defined as work that must be replaced within five years and is ineligible for funding. The project must also not be staged construction where the project will be replaced as part of future stages. Staged construction is eligible for funding as long as future stages build on, rather than replace, previous work.

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

## Roadways Including Multimodal Elements

1. All roadway projects must be identified as a principal arterial (non-freeway facilities only) or A-minor arterial as shown on the latest TAB approved roadway functional classification map. Bridge Rehabilitation/Replacement projects must be located on a minor collector and above functionally classified roadway in the urban areas or a major collector and above in the rural areas.
Check the box to indicate that the project meets this requirement. Yes

Roadway Strategic Capacity and Reconstruction/Modernization and Spot Mobility projects only:
2. The project must be designed to meet 10 -ton load limit standards.

Check the box to indicate that the project meets this requirement.
Bridge Rehabilitation/Replacement and Strategic Capacity projects only:
3. Projects requiring a grade-separated crossing of a principal arterial freeway must be limited to the federal share of those project costs identified as local (non-MnDOT) cost responsibility using MnDOT?s ?Cost Participation for Cooperative Construction Projects and Maintenance Responsibilities? manual. In the case of a federally funded trunk highway project, the policy guidelines should be read as if the funded trunk highway route is under local jurisdiction.
Check the box to indicate that the project meets this requirement.
4. The bridge must carry vehicular traffic. Bridges can carry traffic from multiple modes. However, bridges that are exclusively for bicycle or pedestrian traffic must apply under one of the Bicycle and Pedestrian Facilities application categories. Rail-only bridges are ineligible for funding.
Check the box to indicate that the project meets this requirement. Yes
Bridge Rehabilitation/Replacement projects only:
5. The length of the in-place structure is 20 feet or longer.

Check the box to indicate that the project meets this requirement. Yes
6. The bridge must have a Local Planning Index (LPI) of less than 60 OR a National Bridge Inventory (NBI) Rating of 3 or less for either Deck Geometry, Approach Roadway, or Waterway Adequacy as reported on the most recent Minnesota Structure Inventory Report.
Check the box to indicate that the project meets this requirement. Yes
Roadway Expansion, Reconstruction/Modernization, and Bridge Rehabilitation/Replacement projects only:
7. All roadway projects that involve the construction of a newexpanded interchange or newinterchange ramps must have approval by the Metropolitan Council/MnDOT Interchange Planning Review Committee prior to application submittal. Please contact David Evin at MnDOT (David. vin@state.mn.us or 651-234-7795) to determine whether your project needs to go through this process as described in Appendix F of the 2040 Transportation Policy Plan.

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

## Requirements - Roadways Including Multimodal Elements

| Specific Roadway Elements |  |
| :--- | ---: |
| CONSTRUCTION PROJECT EPMENTS/COST ESTIMATES | Cost |
| Mbbilization (approx 5\% of total cost) | $\$ 97,000.00$ |
| Removals (approx 5\% of total cost) | $\$ 81,000.00$ |
| Roadway (grading, borrow, etc.) | $\$ 49,400.00$ |
| Roadway (aggregates and paving) | $\$ 105,000.00$ |
| Subgrade Correction (muck) | $\$ 0.00$ |
| Storm Sewer | $\$ 184,000.00$ |
| Ponds | $\$ 0.00$ |
| Concrete Items (curb \& gutter, sidewalks, median barriers) | $\$ 0.00$ |
| Traffic Control | $\$ 97,000.00$ |
| Striping | $\$ 3,100.00$ |
| Signing | $\$ 4,500.00$ |
| Lighting | $\$ 0.00$ |
| Turf- Erosion \& Landscaping | $\$ 92,000.00$ |
| Bridge | $\$ 625,000.00$ |
| 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 |
| Roadway Contingencies | \$404,400.00 |
| Other Roadway Elements | \$0.00 |
| Totals | \$1,742,400.00 |
| Specific Bicycle and Pedestrian Elements |  |
| CONSTRUCTION PROJECT ELEMENTS/COST ESTIMATES | Cost |
| Path/Trail Construction | \$0.00 |
| Sidewalk Construction | \$0.00 |
| On-Street Bicycle Facility Construction | \$0.00 |
| Right-of-Way | \$0.00 |
| Pedestrian Curb Ramps (ADA) | \$0.00 |
| Crossing Aids (e.g., Audible Pedestrian Signals, HAMK) | \$0.00 |
| Pedestrian-scale Lighting | \$0.00 |
| Streetscaping | \$92,000.00 |
| Wayfinding | \$0.00 |
| Bicycle and Pedestrian Contingencies | \$165,600.00 |
| Other Bicycle and Pedestrian Elements | \$460,000.00 |
| Totals | \$717,600.00 |
| Specific Transit and TDM Elements |  |
| CONSTRUCTION PROJECT E EMENTS/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 TDMElements | \$0.00 |
| Totals | \$0.00 |

## Transit Operating Costs

Number of Platform hours 0

Cost Per Platform hour (full loaded Cost) $\quad \$ 0.00$
Subtotal $\$ 0.00$
Other Costs - Administration, Overhead,etc. $\$ 0.00$

## PROTECT Funds Eligibility

One of the newfederal 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, newbridges 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: Based on a planning level review of the proposed scope of work that's primarily focused on a bridge replacement, county staff did not identify any project elements that were obviously eligible for the PROTECT Program.

## Totals

| Total Cost | $\$ 2,460,000.00$ |
| :--- | :--- |
| Construction Cost Total | $\$ 2,460,000.00$ |
| Transit Operating Cost Total | $\$ 0.00$ |

Measure A: Distance to the nearest parallel bridge

TH 169 Route (approximately 14 miles)
CSAH 121 (Fernbrook Ln) serves north/south trips between Maple Grove and Dayton. The roadway includes one lane in each direction and is classified as a Major Collector.

Attachment 08 highlights potential alternate routes, including one route labelled the Brockton Ln Route, which requires the utilization of CSAH 13 (Brockton Ln), CSAH 144 (Diamond Lake Rd), CSAH 12 (Dayton River Rd), and a local street (129th Ave N) to approach Bridge \#90617 from the west and north. The TH 610 route utilized both TH 610 and TH 169 to approach Bridge \#90617 from the east and south. Given the rural context of the proposed project location, there are limited direct connections to access Bridge \#90617 in the event of a need to close the area around the structure; however, county staff have identified two additional collector routes that are highlighted in Attachment 08. It is unlikely that these collector routes will be the signed detour route during construction since these routes rely on roadways under local jurisdiction.

For people walking and biking, it is possible to utilize the off-street trail network within Three Rivers Park District's Elm Creek Park Reserve to bypass CSAH 121 (Fernbrook Ln) if traveling north/south to the east of the roadway.

Prior to construction, county staff will coordinate with staff in the City of Maple Grove, City of Dayton, and Three Rivers Park District to ensure there are adequate detours for all modes during construction activities.
(Limit 2,800 characters; approximately 400 words)
Distance from one end of proposed project to nearest non-local functionally classified parallel crossing and then back to the other side of the proposed

## Measure B: Project Location Relative to Jobs, Manufacturing, and Education

Existing Employment within 1 Mile:
Existing Manufacturing/Distribution-Related Employment within 1 Mile:
27
Existing Post-Secondary Students within 1 Mile:
0
Upload Map
1702237481743_RS3_CSAH 121 Fernbrook Ln_Regional Economy.pdf

Please upload attachment in PDF form

## Measure C: Regional Truck Corridor Tiers

Along Tier 1:
(65 Points)
Miles (to the nearest 0.1 miles):
0
If box above is checked, fill in length.
Along Tier 2:
(60 Points)
Miles (to the nearest 0.1 miles):
0
If box above is checked, fill in length.
Along Tier 3:
(55 Points)
Miles (to the nearest 0.1 miles):
0
If box above is checked, fill in length.
The project provides a direct and immediate connection (i.e., intersects) with either a Tier 1, Tier 2, or Tier 3 corridor:
(10 Points)
The project is not located on a Tier 1, Tier 2, or Tier 3 corridor: Yes
(0 Points)

## Measure A: Current Daily Person Throughput

Select all transit routes that apply.
Upload "Transit Connections" map
1702237623507_RS2_CSAH 121 Fernbrook Ln_Transit Connections.pdf
Please upload attachment in PDF form

## Response: Current Daily Person Throughput

| Average Annual Daily Transit Ridership | 0 |
| :--- | :--- |
| Current Daily Person Throughput | 9750.0 |

Measure B: 2040 Forecast ADT
Use Metropolitan Council model to determine forecast (2040) ADT volume
No
If checked, METC Staff will provide Forecast (2040) ADT volume
OR

Identify the approved county or city travel demand model to determine forecast (2040) ADT volume

Forecast (2040) ADT volume

Hennepin County conducted a comprehensive travel demand forecasting analysis based on the Metropolitan Council's regional activity based model. Forecast traffic volumes were based on a combination of socio-economic and land use assumptions. It should be noted that the future transportation network was assumed to include projects identified in the county's Capital Improvement Program. Attachment 9 illustrates the forecast traffic volumes. 12400

## Measure A: Engagement

i. Describe any Black, Indigenous, and People of Color populations, low-income populations, disabled populations, youth, or older adults within a $1 / 2$ 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 howBlack, 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, low-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?

The CSAH 121 (Fernbrook Ln) is on the developing suburban edge in Maple Grove. Currently, there is an estimated population of 199 within 0.5 miles of the project area. However, directly southwest of the proposed project is a new development known as Rush Hollow which is anticipated to construct over 500 units of housing as well. Rush Hollow is proposed to include a mix of single-family homes, townhomes, as well as a senior housing complex. This will ensure a mix of affordability levels and household sizes that will create a significant population of users that will be driving, walking, and biking through the project area.

While formal project engagement has not begun, if the project is funded Hennepin County will collaborate with the City of Maple Grove, City of Dayton, Three Rivers Park District, and other key stakeholders to identify appropriate strategies to engage residents, particularly Black, Indigenous and People of Color (BIPOC), low-income households, youth, and older adults. In particular, Hennepin County will coordinate with Three Rivers Park District to accommodate the development of a future alignment for a Rush Creek Regional Trail as outlined in a Rush Creek Regional Trail Master Plan completed in 2008.

Historically, public engagement has included providing project updates across multiple communication streams as applicable; including a project website, mobile texts, social media, and portable message display boards prior to construction activities. Outreach efforts often also include direct conversations with businesses and residents impacted by the proposed project. Outreach efforts will likely include staff from the county's Communications Team to ensure the use of best practices and plain language during all public engagement efforts.

## Measure B: Disadvantaged Communities Benefits and Impacts

Describe the project?s benefits to Black, Indigenous, and People of Color populations, low-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,
? newtransportation 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.
Belowis 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 CSAH 121 (Fernbrook Ln) Bridge Replacement Project will provide benefit to BIPOC populations, low-income households, youth, and disadvantaged communities by replacing aging infrastructure to maintain mobility while implementing complete and green streets improvements as feasible. Attachment 10 provides an overview of key community resources proximate to the proposed project. Most notably, CSAH 121 (Fernbrook Ln) provides access to various trailheads to the north for the Elm Creek Park Reserve, the largest park in the Three Rivers Park District system that provides amenities for almost every outdoor activity and serves as a major draw for families from across the region. In addition, the project provides an opportunity to coordinate further access via a planned alignment for the extensions of the Rush Creek Regional Trail.

The existing facility along CSAH 121 (Fernbrook Ln ) is an aging box culvert with a roadway that provides no accommodation for people biking and walking, including very narrow shoulders. Replacement of the existing facility will provide opportunities to implement context sensitive complete and green streets features to expand modal choices along the corridor as well as to set the stage for future multimodal investments. This will be of particular benefit to seniors and families living in the Rush Creek development proposed directly southwest of the proposed project, which will be connected to the proposed project via a new alignment for Maple Grove Pkwy. Given the current posted speed limits of 55 mph , complete streets measures implemented by the proposed project is necessary to expand the modal choices for people living within 0.5 miles of the proposed project.

During construction, increased noise and impacts to the travelling public are anticipated. Bridge closures and detours will be carefully coordinated with stakeholders, and all efforts will be made to clearly communicate any construction impact via a project website, phone hotline, and appropriate signage.

## Measure C: Affordable Housing Access

Describe any affordable housing developments?existing, under construction, or planned?within $1 ⁄ 2$ 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 $1 / 2$ mile of the project. Benefits must relate to affordable housing residents. Examples may include:

[^0]While there are not any subsidized housing developments located within a 0.5 mile buffer of the proposed project along CSAH 121 (Fernbrook Ln), the project will serve future senior housing at the Rush Creek development. CSAH 121 (Fernbrook Ln) also provides mobility for people living in affordable housing in the Cities of Champlin and Maple Grove. Attachment 11 provides a map and full detail summary of affordable housing in a wider geographic context; including unit sizes and affordability limits based on area median incomes. As identified in the Met Council generated Socio-Economic Conditions map, the census tracts the project intersects contain 90 units of subsidized housing.

The project will provide benefit for residents of affordable housing in the wider region by preserving mobility to several trailheads at Elm Creek Park Reserve, a recreational destination of regional importance that provides activities for people of all ages, abilities, and income levels. In addition, the project will explore opportunities to expand the regional trail network through coordination with Three Rivers Park District relative to their proposed Rush Creek Regional Trail, expanding options for active transportation for all residents. While not subsidized, the Rusk Creek Development directly southwest of the project will provide a mix of housing types and prices, including dedicated senior housing, meaning that there will be a greater demand for multimodal accommodations along the CSAH 121 (Fernbrook Ln) corridor in the near future. Replacement of the existing aging box culvert will present opportunities to implement immediate complete and green streets improvements as well as setting the stage for future multimodal investments.

## 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):
Project located in a census tract that is below the regional average for population Yes in poverty or populations of color (Regional Environmental Justice Area):
Upload the ?Socio-Economic Conditions? map used for this measure. 1702258296866_RS4_CSAH 121 Fernbrook Ln_Socio Economic.pdf

## Measure A: Bridge Condition

- Deck Rating: 0
- Superstructure Rating: 0
- Substructure Rating: 0
- Channel Rating: 4.0
- Culvert Rating: 4.0

Lowest National Bridge Inventory Condition Rating: 4.0
Upload Structure Inventory Report 1702237714876_CSAH 121 Fernbrook Ln Bridge Inventory Report.pdf
Please upload attachment in PDF form

## Measure A: Infrastructure Age

Load Posted (Check box if the bridge is load-posted):

## Measure A: Multimodal Elements and Existing Connections

While CSAH 121 (Fernbrook Ln) is not located along the Regional Bicycle Transportation Network (RBTN), the proposed project will provide a critical connection to a future extension of Three Rivers Park District's Rush Creek Regional trail. A separate box culvert exclusive to people walking and biking will be considered as part of the project development process to provide a grade separated crossing for multimodal users along the future Rush Creek Regional Trail. Consideration for maximizing light and visibility to promote user comfort, along with strategies to avoid (or minimize) sediment buildup during rainfall events will also be discussed as part of the project development process. In addition, the separate structure will be designed to satisfy vertical clearance requirements. The addition of the exclusive culvert for people walking and biking will provide a cost savings when constructing the future regional trail as the box culvert infrastructure to accommodate the trail will already be in place.

For people walking and biking today, a very narrow shoulder space exists that does not comfortably separate vulnerable roadway users from people driving. As part of the proposed project, the bridge deck will include shoulder space that can accommodate future multimodal connections on one or both sides of CSAH 121 (Fernbrook Ln) should they be constructed north and south of the structure. The future Three Rivers Park District Trail will also better connect multimodal users to Elm Creek Park Reserve and the extensive trail system within the park. One entrance to the group camp sites located at Elm Creek Park Reserve is located approximately 25 ft north of the CSAH 121 (Fernbrook Ln) Bridge Replacement Project. Attachment 12 highlights key multimodal connections around the project area.

Furthermore, Met Council's Regional Bicycle Barriers webmap shows that the proposed project will address a Stream Barrier (Rush Creek). This project will address the barrier by providing space for future multimodal accommodations on the bridge deck as well as a separate box culvert to connect to Three Rivers Park District's future regional trail.

People walking will be able to utilize the trail as well, and the wider shoulders above the structure will provide more comfort if walking along CSAH 121 (Fernbrook Ln).

There is no transit located along the corridor, but a smooth surface on the bridge deck will provide people driving with a more safe and comfortable user experience. The replacement of Bridge \#90617 will ensure that CSAH 121 (Fernbrook Ln) remains open without restrictions for all modes.

## 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, howthe 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 witten 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.
100\%
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.
25\%
No outreach has led to the selection of this project.
$0 \%$
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: This project was selected for pursuit of Regional Solicitation funding based on the overall asset condition. No public outreach specific to the project has taken place at this time, but it is expected to occur during the design phase of the project. Future outreach is likely to be coordinated with the City of Maple Grove, City of Dayton, and Three Rivers Park District.

## (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.
100\%
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.
25\%
Layout has not been started
0\%
Attach Layout 1702562898247_Attachment 06 - Potential Concept.pdf
Please upload attachrent in PDF form
Additional Attachments
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
100\%
There are historical/archeological properties present but determination of ?no historic properties affected? is anticipated.

Historic/archeological property impacted; determination of ?no adverse effect? 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
25\%
Right-of-way, permanent or temporary easements, 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)
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): | $\$ 2,460,000.00$ |
| :--- | :--- |
| Enter Amount of the Noise Walls: | $\$ 0.00$ |
| Total Project Cost subtract the amount of the noise walls: | $\$ 2,460,000.00$ |
| Enter amount of any outside, competitive funding: | $\$ 0.00$ |
| Attach documentation of award: |  |
| Points Awarded in Previous Criteria | $\$ 0.00$ |

## Other Attachments

| File Name | Description | File Size |
| :---: | :---: | :---: |
| Attachment 00 - List of Attachments.pdf | Attachment 00 - List of Attachments | 77 KB |
| Attachment 01 - Project Narrative.pdf | Attachment 01 - Project Narrative | 80 KB |
| Attachment 02 - Project Location Map.pdf | Attachment 02 - Project Location Map | 748 KB |
| Attachment 03 - Minnesota Structure Inventory Report.pdf | Attachment 03 - Minnesota Structure Inventory Report | 117 KB |
| Attachment 04 - Existing Condition Photos.pdf | Attachment 04 - Existing Condition Photos | 371 KB |
| Attachment 05 - Potential Typical Section.pdf | Attachment 05 - Potential Typical Section | 296 KB |
| Attachment 06 - Potential Concept.pdf | Attachment 06 - Potential Concept | 310 KB |
| Attachment 07 - Hennepin County 2024-2028 Transportation CIP.pdf | Attachment 07 - Hennepin County 2024-2028 Transportation CIP | 239 KB |
| Attachment 08 - Bridge Alternate Routes Map.pdf | Attachment 08 - Bridge Alternate Routes Map | 1.8 MB |
| Attachment 09-2040 Forecast Traffic Volumes.pdf | Attachment 09-2040 Forecast Traffic Volumes | 1.0 MB |
| Attachment 10 - Disadvantaged Communities and Resources Map.pdf | Attachment 10 - Disadvantaged Communities and Resources Map | 414 KB |
| Attachment 11 - Affordable Housing Access Map and Detail Summary.pdf | Attachment 11 - Affordable Housing Access Map and Detail Summary | 647 KB |
| Attachment 12 - Multimodal Connections Map.pdf | Attachment 12-Multimodal Connections Map | 216 KB |
| Attachment 13-City of Maple Grove Support Letter.pdf | Attachment 13-City of Maple Grove Support Letter | 161 KB |
| Attachment 14 - Three Rivers Park District Support Letter.pdf | Attachment 14 - Three Rivers Park District Support Letter | 260 KB |





## MINNESOTA STRUCTURE INVENTORY REPORT

Bridge ID: 90617
FERNBROOK LA over RUSH CREEK

| + general + |  | + ROADWAY ON BRIDGE + |  |
| :---: | :---: | :---: | :---: |
| Agency Br. No. 207 | Crew | Facility CSAH 121 |  |
| District METRO | METRO Maint. Area | LRS Mile Point |  |
| County $27-\mathrm{H}$ | 27 - HENNEPIN | Functional Class MAJ | LLECTOR |
| City MAPL | MAPLE GROVE | Urban Code 57628-T | TIES |
| Township |  | ADT (YEAR) 7,500 |  |
| Desc. Loc. $\quad 0.7 \mathrm{MIN}$ | 0.7 MI N OF JCT CSAH 81 | HCADT |  |
| Sect., Twp., Range | 03-119N-22W | Speed Limit |  |
| Latitude 45d 09 | 45d 09m 00.32s | National Highway System | N |
| Longitude 93d 27 | 93d 27m 42.97s | Detour Length 5 mi . |  |
| Custodian COUNTY | COUNTY | Lanes 2 Lanes ON Bridge |  |
| Owner COUNTY | COUNTY | Control Section (TH Only) |  |
| Insp Responsibility HENNEPIN COUNTY |  | Function MAINLINE |  |
| Year Built 1949 | 1949 | Type 2 WAY TRAF |  |
| Date Opened to Traffic 01-01-1949 |  | Bridge Match ID 1 |  |
| MN Year Remodeled |  | Roadway Key 1-ON |  |
| FHWA Year Reconstructed |  |  |  |
| Bridge Plan Location | COUNTY | + RDWY DIMENSIONS ON BRIDGE + |  |
| Potential ABC | N.A. | If Divided NB-EB SB-WB |  |
| + STRUCTURE + |  | Roadway Width | 30.0 ft |
| Service On HIGHWAY |  | Vertical Clearance |  |
| Service Under ST | STREAM | Max. Vert. Clear. |  |
| Main Span Type CONC BOX CULV | Type CONC BOX CULV | Horizontal Clear. |  |
| Main Span Detail |  | Appr. Surface Width | 30.0 ft |
| Appr. Span Type |  | Bridge Roadway Width |  |
| Appr. Span Detail |  | Median Width on Bridge | NA |
| Skew |  | + mISC. BRIDGE DATA + |  |
| Culvert Type W1010 | - W1010D | Structure Flared NO |  |
| Barrel Length 39 f | h 39 ft | Parallel Structure <br> NONE |  |
| No of Spans M | Main: 2 Appr: 0 Total: 2 | Field Conn. ID |  |
| Length $\quad 10.0 \mathrm{ft}$ |  | Cantilever ID |  |
| Structure Lengt | ength $\quad 22.5 \mathrm{ft}$ | + FOUNDATIONS + |  |
| Deck Width |  | Abut. |  |
| Deck Material N/A | al N/A | Pier N/A |  |
| Deck Install Year |  | Historic Status NOT ELIGIBLE |  |
| Deck Rebar Layers | UNKN | On - Off System ON |  |
| Deck Rebar (NBI) | N/A | + PAINT + |  |
| Wear Surf Type N/ | /A | Year Painted |  |
| Wear Surf Install Year |  | Painted Area |  |
| Wear Course/Fill Depth 4.20 ft |  | Primer Type |  |
| Structure Area |  | Finish Type |  |
| Roadway Area |  | + BRIDGE SIGNS + |  |
| Sidewalk Width - L/R |  | Posted Load NOT REQUIRED |  |
| Curb Height - L/R |  | Traffic NOT REQ |  |
| Rail Codes - L/R | $37 \quad 37$ | Horizontal OBJECT | RS |
|  |  | Vertical NOT APP |  |

Date: 12/10/2023


## MINNESOTA BRIDGE INSPECTION REPORT

## nsp Responsibility: HENNEPIN COUNTY

## BRIDGE 90617 FERNBROOK LA OVER RUSH CREEK

County: HENNEPIN
City: MAPLE GROVE
Township:
Section: 03 Township: 119N Range: 22W
Main Span Type: CONC BOX CULV
NBI Deck: $N$ Super: $N$ Sub: $N$ Chan: 4 Culv: 4
Appraisal Ratings - Approach: 8 Waterway: 8
Required Bridge Signs - Load Posting: NOT REQUIRED
Horizontal: OBJECT MARKERS

Location: $\quad 0.7$ MI N OF JCT CSAH 81
Facility: CSAH 121 Mile Pt: 2.680
Control Section: Maint. Area:
Local Agency Bridge Nbr: 207

INSP. DATE: 09-14-2023
Length: 22.5 ft
Deck Width:
Rdwy. Area
Paint Area
Culvert: W1010D / 39 ft

Local Plan. Index 46
Overall Condition: Poor
Traffic: NOT REQUIRED
Vertical: NOT APPLICABLE
Open, Posted, Closed: OPEN
MN Scour Code: E-CULVERT
Traffic: NOT REQUIRED
Vertical: NOT APPLICABLE

| ELEM <br> NBR | ELEMENT NAME |  | QTY | QTY | QTY |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 800 | CRITICAL DEFS OR SAFETY HAZARDS | INSP. DATE | QUANTITY | CS 1 | CS 2 | CS 3 | CS 4 |

Notes: 800.'23-No critical structural deficiencies or serious safety hazards present on this structure at time of inspection.

| 241 | CONCRETE CULVERT | $09-14-2023$ | 79 LF | 0 | 25 | 47 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 79 LF | 0 | 25 | 47 | 7 |

Notes: 241. Water depth $=1.0$ in $S$ barrel. Numerous areas of large honeycomb, diag cracks w/ deterioration, leakage \& efflor. Many areas w/ rebar exp in top slab. Drains are plugged, w/ some leakage @ E drains of both barrels. Form ties are protruding.

NORTH BARREL- Conc deterioration @ base of walls. Areas of honeycomb.
'13-Fine to mod vert cracks w/ efflor.
'14-Efflor @ honeycombing on N wall in center. 3 ' minor horiz crack w/ efflor in N fillet on E end.
'15-Horiz crack w/ efflor in N upper fillet from CL to W.
'16-Heavy efflor @ W end \& along CL.
'21-3' to 3.5' of sediment with vegetation growing. Mod crack in the S wall, approx @ CL.
'22-Continued vegetative growth.
'23-No change.
SOUTH BARREL - Severe honeycomb w/ rebar exp on top \& walls. Some vert cracks in both walls.
'18-8" diameter spall in S wall fillet @ E end.
'20-1' delam in top of S wall @ W end. Mod crack in the N wall, approx @ CL.
'21-Heavy, active leakage/efflor from areas of honeycombed concrete in $S$ wall. Spall @ base of $S$ wall 3' from W end of barrel is 4 ' $\mathrm{L} \times 11^{\prime \prime} \mathrm{H}$ \& up to $10 " \mathrm{D}$ (Plans show wall thicknesses = 10 "). N wall has a $1^{\prime} \mathrm{L} \times 9$ " $\mathrm{H} \times 10 \mathrm{D}$ spall at base, $6^{\prime}$ from W end of barrel. Other smaller spalls along $S$ wall @ the water line are up to $5^{\prime \prime} D$. Spalls in $S$ wall $+/-6$ " in diameter and $3^{\prime}-6^{\prime}$ off the floor are 4" - 5"D - these are in the E half of the barrel.
'23-No change in depth of any spalls.

| 870 | CULVERT END TREATMENT | 09-14-2023 | 2 EA | 0 | 0 | 2 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 09-27-2022 | 2 EA | 0 | 0 | 2 | 0 |

Notes: 870. Vert cracks in both headwalls. Both headwalls spalled.
EAST: Spalled @ SE wing connection to barrel. 5 SF delams on SE wing.
'13-5 SF spall in SE. Spalls in E center wing.
'15-Mod efflor @ cracks in SE wing.
'16-3 SF delam in NE wing. Rust staining in SE wing.
'17-SE has heavy efflor. NE has heavy efflor.
'18-Crack w/ efflor in NE.
'22-Increased loose delams and scale in NE WW.
${ }^{`} 23$-No change.
WEST: Diag cracks, some moderate in size, w/ efflor in all 3 wings.
'14-Mod diag cracks in outer wings. 1 SF of spall @ SW wing in center of wall.
'15-Mod efflor @ cracks in SE wing. Diag cracks in wings are mod in size. 2-1 SF spalls in SW wing.
'17-NW has full height vert crack @ barrel connection.
'18-Efflor @ diag cracks in NW. 4 LF of spall in W headwall. Full height vert crack in NW has efflor.
'23-Minor increase of efflorescence in N .

|  |  |  |  |  |  | $\begin{gathered} \text { Page No: } \\ 0 \end{gathered}$ | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 871 | ROADWAY OVER CULVERT | 09-14-2023 | 1 EA | 0 | 1 |  | 0 |
|  |  | 09-27-2022 | 1 EA | 0 | 1 | 0 | 0 |

Notes: 871.'19-Dip in SBL shoulder on S side of structure. '21-Most cracks sealed. 1 mod-large unsealed random crack in SBL N of culv. Minor settlement of roadway at culvert edges.
'23- No changes at time of inspection.

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 891 | OTHER BRIDGE SIGNING | $09-14-2023$ | 1 EA | 1 | 0 | 0 |
|  | $09-27-2022$ | 1 EA | 1 | 0 | 0 | 0 |

Notes: 891. Clearance markers X4-4 @ all corners. Plow up/down X4-5 @ ends of guardrails.
'17-Rush Creek signs in NW \& SE.
'23-Signs in place and in good condition.

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 892 | SLOPES \& SLOPE PROTECTION | $09-14-2023$ | 1 EA | 0 | 0 | 1 |
|  | $09-27-2022$ | 1 EA | 0 | 0 | 1 | 0 |

Notes: $\quad 892$. '13-Mod erosion @ SW \& SE corners.
'20-Road run off is causing slope erosion \& large wash out behind SW wing wall.
'21-Large, deep (18") washout in SBL gravel shoulder @ S edge of culv. Update- 10/26/21- deep (18") erosion washout in SBL had been repaired $w /$ bit by HC.
'22-Failed SB shoulder repair, continued erosion.
'23-No change.

| 893 | GUARDRAIL | $09-14-2023$ | 1 EA | 1 | 0 | 0 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 1 | 0 | 0 | 0 |  |

Notes: 893. NE corner turns for Rush Creek Group Camp entry \& all others have crashworthy end treatments.
'23-All ok.

| '23-All ok. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 894 | DECK \& APPROACH DRAINAGE | $09-14-2023$ | 1 EA | 0 | 0 | 1 |
|  | $09-27-2022$ | 1 EA | 0 | 0 | 1 |  |

Notes: 894. '13-Deck runoff has caused erosion behind SW \& SE wing walls.
'20-Road run off has resulted in significant erosion behind SW wing wall and pile of sediment in channel.
'22-Erosion of both shoulders.

| 899 | MISCELLANEOUS ITEMS | $09-14-2023$ | 1 EA | 1 | 0 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 1 | 0 | 0 | 0 |

Notes: 899. Buried gas pipeline E of culvert.
'18-4' deep scour hole in W channel, 10 '-15' from end of apron.

| 900 | PROTECTED SPECIES | $09-14-2023$ | 1 EA | 0 | 0 | 1 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 0 | 0 | 1 |  |  |

Notes: $\quad 900$. '23-Swallow nests in both barrels.
General *Bridge 90617 (207) CSAH 121/Rush Creek
Notes:
9/14/23 MAM \& ADT.
9/27/22 MAM \& ADT.

Recommended Repairs:
241. Monitor deterioration of culvert @ base of walls.
241. Clean sediment \& vegetation out of N barrel.
870. Repair wing walls \& head walls.
899. Remove brush from headwalls \& wingwalls.

Appr [1] '20-west rail is at adequate height.
Guardraill:

Channel: [4] '23-(4) aggradation along North slope restricts flow of proper use of both barrels.
'18-(4)-aggradation of channel restricts flow thru N barrel.
'16-sediment aggradation in north barrel.
Culvert: [4] '23-(4) Weathering and significant deterioration of base of walls in both barrels, but especially the south one. Heavy efflor at cracks.

Waterway [8] '23-(8) water has slight chance of overtopping road approaches.
Adeq:
Appr Roadway [8] '23- (8) No speed reduction required.
Alignment:

CSAH 121 (Fernbrook Ln) Culvert Reconstruction Project hennepin couniv
Attachment 06 | Potential Concept


# CSAH 121 (Fernbrook Ln) Bridge Replacement Project 

## Attachment 00 | List of Attachments

1. Project Narrative
2. Project Location Map
3. Minnesota Structure Inventory Report
4. Existing Condition Photos
5. Potential Typical Section
6. Potential Concept
7. Hennepin County 2024-2028 Transportation CIP
8. Bridge Alternate Routes Map
9. 2040 Forecast Traffic Volumes
10. Disadvantaged Communities and Resources Map
11. Affordable Housing Access Map and Detail Summary
12. Multimodal Connections Map
13. City of Maple Grove Support Letter
14. Three Rivers Park District Support Letter

## Project Name

CSAH 121 (Fernbrook Ln) Bridge Replacement Project

## City(ies)

Maple Grove

## Commisioner District(s) 7

Capital Project Number
CP 2181700
Scoping Manager
Emily Buell

## Project Category

Bridge Replacement
Scoping Form Revision Dates
11/15/2023

## Project Summary

Replace Bridge \#90617 along Fernbrook Lane (CSAH 121) over Rush Creek in the City of Maple Grove.

## Roadway History

The existing bridge (built in 1949) consists of a cast-in-place concrete box culvert that spans Rush Creek. The structure is in relatively poor condition, and therefore, has been classified as structurally deficient. The culvert is showing evidence of cracking and spalling that has exposed the structural rebar. Routine maintenance activities are no longer cost effective in extending the useful life of this bridge, therefore, a full replacement is recommended.

## Project Description and Benefits

The proposed project will replace the deteriorating structure with a modern concrete box culvert that will be designed to provide a 75 -year service life. For people walking and biking, it is anticipated that a wider bridge deck will be introduced in order to accommodate a future trail. Any pavement, sidewalk, and drainage structures impacted by the project will be replaced in-kind.

This project is located within close proximity to Three Rivers Park District's Elm Creek Park Reserve that serves as a destination for the Crystal Lake Regional Trail, Medicine Lake Regional Trail, and Rush Creek Regional Trail. Therefore, a trail crossing for the future Three Rivers Park District Rush Creek Regional Trail will be considered as part of the project development process.

Preservation of this structure is key in supported future residential development that's occurring in this area of Maple Grove and nearby Dayton. Without additional improvements, the bridge structure will continue to deteriorate, and weight restrictions will likely be required.

## Project Risks \& Uncertainities

The proposed design of the new bridge to accommodate a grade separated crossing for the future Rush Creek Regional Trail.


## Initial Project Timeline

Scoping: 2019-2024
Design: Q1 2025 - Q4 2027
R/W Acquisition: Q1 2026 - Q4 2027
Bid Advertisement: Q1 2028
Construction: Q2 2028-Q3 2028

## Project Delivery Responsibilities

Preliminary Design: Hennepin County
Final Design: Hennepin County
Construction Services: Hennepin County

| Project Budget - | Project Level |
| ---: | ---: |
| Construction: $\$$ | $1,890,000$ |
| Cost Estimate Year: | 2023 |
| Construction Year: | 2023 |
| Annual Inflation Rate: | $2.0 \%$ |
| Inflated Construction: $\$$ | $2,090,000$ |
| Design Services: $\$$ | 180,000 |
| R/W Acquisition: $\$$ | 130,000 |
| Other (Utility Burial): $\$$ | - |
| Construction Services: $\$$ | - |
| Contingency: $\$$ | 630,000 |
| Total Project Budget: $\$$ | $\mathbf{3 , 0 3 0 , 0 0 0}$ |

## Funding Notes

This project is eligible for federal funding through the Metropolitan Council's Regional Solicitation given
the roadway's functional classification of Major
Collector and a Local Planning Index value of 46 .

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 02 | Project Location Map


Disclaimer: This map (i) is furnished "AS IS" with no representation as to completeness or accuracy; (ii) is furnished with no warranty of any kind; and (iii) is not suitable for legal, engineering or surveying purposes. Hennepin County shall not be liable for any damage, injury or loss resulting from this map.

## MINNESOTA STRUCTURE INVENTORY REPORT

Bridge ID: 90617
FERNBROOK LA over RUSH CREEK


Date: 12/10/2023


## Crew:

## MINNESOTA BRIDGE INSPECTION REPORT

## Insp Responsibility: HENNEPIN COUNTY

BRIDGE 90617 FERNBROOK LA OVER RUSH CREEK
County: HENNEPIN
City: MAPLE GROVE
Township:
Section: 03 Township: 119N Range: 22W
Main Span Type: CONC BOX CULV
NBI Deck: $N$ Super: $N$ Sub: $N$ Chan: 4 Culv: 4
Appraisal Ratings - Approach: 8 Waterway: 8
Required Bridge Signs - Load Posting: NOT REQUIRED
Horizontal: OBJECT MARKERS

Location: $\quad 0.7$ MI N OF JCT CSAH 81<br>Facility: CSAH 121 Mile Pt: 2.680<br>Control Section: Maint. Area:<br>Local Agency Bridge Nbr: 207<br>Open, Posted, Closed: OPEN<br>MN Scour Code: E-CULVERT<br>Traffic: NOT REQUIRED<br>Vertical: NOT APPLICABLE

INSP. DATE: 09-14-2023
Length: 22.5 ft
Deck Width:
Rdwy. Area
Paint Area
Culvert: W1010D / 39 ft

| ELEM <br> NBR | ELEMENT NAME |  | QTY | QTY | QTY |  |  |
| :---: | :---: | :---: | :---: | ---: | ---: | ---: | ---: |
| 800 | CRITICAL DEFS OR SAFETY HAZARDS | INSP. DATE | QUANTITY | CS 1 | CS 2 | CS 3 | CS 4 |

Notes: 800.'23-No critical structural deficiencies or serious safety hazards present on this structure at time of inspection.

| 241 | CONCRETE CULVERT | $09-14-2023$ | 79 LF | 0 | 25 | 47 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 79 LF | 0 | 25 | 47 | 7 |

Notes: 241. Water depth $=1.0^{\prime}$ in $S$ barrel. Numerous areas of large honeycomb, diag cracks w/deterioration, leakage \& efflor. Many areas w/ rebar exp in top slab. Drains are plugged, w/ some leakage @ E drains of both barrels. Form ties are protruding.

NORTH BARREL- Conc deterioration @ base of walls. Areas of honeycomb.
'13-Fine to mod vert cracks w/ efflor.
'14-Efflor @ honeycombing on N wall in center. 3' minor horiz crack w/ efflor in N fillet on E end.
'15-Horiz crack w/ efflor in N upper fillet from CL to W.
'16-Heavy efflor @ W end \& along CL.
'21-3' to 3.5 ' of sediment with vegetation growing. Mod crack in the S wall, approx @ CL.
'22-Continued vegetative growth.
'23-No change.
SOUTH BARREL - Severe honeycomb w/ rebar exp on top \& walls. Some vert cracks in both walls.
'18-8" diameter spall in S wall fillet @ E end.
'20-1' delam in top of S wall @ W end. Mod crack in the N wall, approx @ CL.
'21-Heavy, active leakage/efflor from areas of honeycombed concrete in $S$ wall. Spall @ base of $S$ wall 3 ' from $W$ end of
 end of barrel. Other smaller spalls along $S$ wall @ the water line are up to $5^{\prime \prime} D$. Spalls in $S$ wall $+/-6$ " in diameter and $3^{\prime}-6^{\prime}$ off the floor are 4" 5 " D - these are in the E half of the barrel.
'23-No change in depth of any spalls.

| 870 | CULVERT END TREATMENT | 09-14-2023 | 2 EA | 0 | 0 | 2 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 09-27-2022 | 2 EA | 0 | 0 | 2 | 0 |

Notes: 870. Vert cracks in both headwalls. Both headwalls spalled.
EAST: Spalled @ SE wing connection to barrel. 5 SF delams on SE wing.
'13-5 SF spall in SE. Spalls in E center wing.
'15-Mod efflor @ cracks in SE wing.
'16-3 SF delam in NE wing. Rust staining in SE wing.
'17-SE has heavy efflor. NE has heavy efflor.
'18-Crack w/ efflor in NE.
'22-Increased loose delams and scale in NE WW.
${ }^{`} 23$-No change.
WEST: Diag cracks, some moderate in size, w/ efflor in all 3 wings.
'14-Mod diag cracks in outer wings. 1 SF of spall @ SW wing in center of wall.
'15-Mod efflor @ cracks in SE wing. Diag cracks in wings are mod in size. 2-1 SF spalls in SW wing.
'17-NW has full height vert crack @ barrel connection.
'18-Efflor @ diag cracks in NW. 4 LF of spall in W headwall. Full height vert crack in NW has efflor.
'23-Minor increase of efflorescence in N .

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 03 | Minnesota Structure Inventory Report
871.19-Dip in SBL shoulder on S side of structure. '21-Most cracks sealed. 1 mod-large unsealed random crack in SBL N of culv. Minor settlement of roadway at culvert edges.
'23- No changes at time of inspection.


Notes: 893. NE corner turns for Rush Creek Group Camp entry \& all others have crashworthy end treatments.
'23-All ok.

| 894 | DECK \& APPROACH DRAINAGE | $09-14-2023$ | 1 EA | 0 | 0 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 0 | 0 | 1 |  |

Notes: $\quad 894$. '13-Deck runoff has caused erosion behind SW \& SE wing walls.
'20-Road run off has resulted in significant erosion behind SW wing wall and pile of sediment in channel.
'22-Erosion of both shoulders.

| 899 | MISCELLANEOUS ITEMS | $09-14-2023$ | 1 EA | 1 | 0 | 0 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 1 | 0 | 0 | 0 |  |

Notes: 899. Buried gas pipeline E of culvert.
'18-4' deep scour hole in W channel, 10 '-15' from end of apron.

| 900 | PROTECTED SPECIES | $09-14-2023$ | 1 EA | 0 | 0 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $09-27-2022$ | 1 EA | 0 | 0 | 1 | 0 |

Notes: $\quad 900$. '23-Swallow nests in both barrels.
General *Bridge 90617 (207) CSAH 121/Rush Creek
Notes:
9/14/23 MAM \& ADT.
9/27/22 MAM \& ADT.

Recommended Repairs:
241. Monitor deterioration of culvert @ base of walls.
241. Clean sediment \& vegetation out of N barrel.
870. Repair wing walls \& head walls.
899. Remove brush from headwalls \& wingwalls.

Appr [1] ' 20 -west rail is at adequate height.
Guardraill:

Channel: [4] '23-(4) aggradation along North slope restricts flow of proper use of both barrels.
'18-(4)-aggradation of channel restricts flow thru N barrel.
'16-sediment aggradation in north barrel.
Culvert: [4] '23- (4) Weathering and significant deterioration of base of walls in both barrels, but especially the south one. Heavy efflor at cracks.

Waterway [8] '23-(8) water has slight chance of overtopping road approaches.
Adeq:
Appr Roadway [8] '23- (8) No speed reduction required.
Alignment:

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

## Attachment 04 | Existing Condition Photos



View of Fernbrook Ln (CSAH 121) roadway conditions pictured above.


East elevation of the bridge is pictured above.


Culvert honeycomb leakage middle of south wall barrel with efflorescence requires repair.


Large spall with efflorescence on side of bridge structure pictured above.


612-596-0300 | hennepin.us

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 05 | Potential Typical Section


CSAH 121 (Fernbrook Ln) Culvert Reconstruction Project hennepin couniv
Attachment 06 | Potential Concept


## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 07 | Hennepin County 2024-2027 Transportation CIP

| Project Name: | 2181700 CSAH 121 - Replace Bridge \#90617 over Rush Creek |
| :--- | :--- |
| Major Program: | Public Works |
| Department: | Transportation Roads \& Bridges |

## Summary:

Replace Bridge \#90617 along Fernbrook Lane (CSAH 121) over Rush Creek in the City of Maple Grove.

## Purpose \& Description:

The existing bridge (built in 1949) consists of a cast-in-place concrete box culvert that spans Rush Creek. The structure is in relatively poor condition, and therefore, has been classified as structurally deficient. The culvert is showing evidence of cracking and spalling that has exposed the structural rebar. Routine maintenance activities are no longer cost effective in extending the useful life of this bridge; therefore, a full replacement is recommended

The proposed project will replace the deteriorating structure with a modern concrete box culvert that will be designed to provide a 75 -yea service life. In an effort to better accommodate people biking and walking along the corridor, it is anticipated that a wider bridge deck will be introduced. Additionally, any pavement, sidewalk, and drainage structures impacted by the project will be replaced in-kind.

Additionally, this project is located within close proximity to Three Rivers Park District's Elm Creek Park Reserve that serves as a destination for the Crystal Lake Regional Trail, Medicine Lake Regional Trail, and Rush Creek Regional Trail. As part of the Rush Creek Regional Trail Master Plan (completed in 2008), a future extension to the west was proposed. It's anticipated that a future crossing for the Rush Creek Regional Trail would be located in the general vicinity of the county's existing bridge over Rush Creek along Fernbrook Lane (CSAH 121).

Preservation of this structure is key in supporting future residential development that's occurring in this area of Dayton and Maple Grove. Without additional improvements, the bridge structure will continue to deteriorate, and weight restrictions will likely be required.

## Funding Start: 2023 Funding Completion: 2026

| REVENUE | Budget To-Date | Act \& Enc | Balance | 2024 | 2025 | 2026 | 2027 | 2028 | Future | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Property Tax | 45,000 |  | 45,000 | 25,000 | 60,000 |  |  |  |  | 130,000 |
| State - Other - Roads |  |  |  |  |  | 1,120,000 |  |  |  | 1,120,000 |
| Maple Grove | 5,000 |  | 5,000 | 25,000 | 40,000 | 120,000 |  |  |  | 190,000 |
| Total | 50,000 |  | 50,000 | 50,000 | 100,000 | 1,240,000 |  |  |  | 1,440,000 |
| EXPENSE | Budget To-Date | Act \& Enc | Balance | 2024 | 2025 | 2026 | 2027 | 2028 | Future | Total |
| Right of Way |  |  |  | 50,000 | 70,000 |  |  |  |  | 120,000 |
| Construction |  |  |  |  |  | 940,000 |  |  |  | 940,000 |
| Consulting | 50,000 |  | 50,000 |  |  |  |  |  |  | 50,000 |
| Contingency |  |  |  |  | 30,000 | 300,000 |  |  |  | 330,000 |
| Total | 50,000 |  | 50,000 | 50,000 | 100,000 | 1,240,000 |  |  |  | 1,440,000 |

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 07 | Hennepin County 2024-2027 Transportation CIP


## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 08 | Alternate Routes Map


Disclaimer: This map (i) is furnished "AS IS" with no representation as to completeness or accuracy; (ii) is furnished with no warranty of any kind; and (iii) is not suitable for legal, engineering or surveying purposes. Hennepin County shall not be liable for any damage, injury or loss resulting from this map.

## Envisioned roadway system and right-of-way needs

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 10 | Disadvantaged Communities and Resources Map


Disclaimer: This map (i) is furnished "AS IS" with no representation as to completeness or accuracy; (ii) is furnished with no warranty of any kind; and (iii) is not suitable for legal, engineering or surveying purposes. Hennepin County shall not be liable for any damage, injury or loss resulting from this map.

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 11 | Affordable Housing Access Map and Detail Summary


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## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 11 |Affordable Housing Access Map and Detail Summary

| Property ID | Property Name | Total Units | Affordable Units | 30\% AMI |  | 50\% AMI | 60\% AMI | 0 BR |  | 1 BR | 2 BR | 3 BR | 4 BR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4017 | Maple Village | 54 | 54 |  | 0 | 5 | 40 | 0 | 0 | 3 | 33 | 18 | 0 |
| 10289 | Maple Village li | 48 | 48 |  | 4 | 4 | 40 | 0 | 0 | 12 | 24 | 12 | 0 |
| 10476 | Elm Creek Apts | 72 | 72 |  | 0 |  | 072 |  | 0 | 14 | 48 | 10 | 0 |
| 10832 | Champlin Drive Apts | 72 | 72 |  | 0 |  | 765 |  | 0 | 12 | 42 | 18 | 0 |
| 12405 | Legends of Champlin Apts | 184 | 184 |  | 0 |  | 184 |  | 0 | 58 | 78 | 48 | 0 |

## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 12 | Multimodal Connections Map


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## CSAH 121 (Fernbrook Ln) Bridge Replacement Project

Attachment 13 | City of Maple Grove Support Letter
December 1, 2023

Carla Stueve, P.E.
Director and County Highway Engineer
Hennepin County Transportation Project Delivery
1600 Prairie Drive
Medina, MN 55340
Subject: Letter of Support for the 2024 Regional Solicitation Program: CSAH 121 Bridge \#90617 Replacement (Hennepin County, MN)

Dear Ms. Stueve:

The City of Maple Grove hereby expresses its support for Hennepin County's 2024 Regional Solicitation federal funding application for the replacement of Bridge \#90617 along Fernbrook Ln (CSAH 121) over Rush Creek in the City of Maple Grove.

This project will involve the replacement of Bridge \#90617 along Fernbrook Ln (CSAH 121) over Rush Creek that is nearing the end of its useful life. This project presents an opportunity to preserve a critical asset, and also incorporate a future Three Rivers Park District regional trail into the design; thereby enhancing the livability and quality of life for Maple Grove and Hennepin County residents.

The City of Maple Grove supports this funding application. At this time, the City of Maple Grove has no funding programmed in its 2024-2028 Capital Improvement Program (CIP) for this project. The city has other priority projects on the county system that city CIP resources are currently directed towards. Therefore, the city is currently unable to commit to cost participation in this project.

Thank-you for making us aware of this application and project, and the opportunity to provide support. The city looks forward to working with you on this project.

Sincerely,


Three Rivers Park District Board of Commissioners

Marge Beard District 1

Jennifer DeJournett Vice Chair District 2

Erin Kolb District 3

Louise M. Segreto District 4

John Gibbs Chair District 5

Jan Guenther Appointed At Large

Jesse Winkle Appointed At Large

Be Carlson Superintendent

## ThreeRivers

PARK DISTRICT

# CSAH 121 (Fernrbook Ln) Bridge Replacement Project 

Attachment 14 | Three Rivers Park District Support Letter
December 1, 2023
Carla Stueve, P.E.
Director and County Highway Engineer
Hennepin County Transportation Project Delivery
1600 Prairie Drive
Medina, MN 55340
Dear Ms. Stueve:
Three Rivers Park District hereby expresses its support for Hennepin County's 2024 Regional Solicitation federal funding application for the replacement of Bridge \#90617 along Fernbrook Ln (CSAH 121) over Rush Creek in the City of Maple Grove.

This project will involve the replacement of Bridge \#90617 along Fernbrook Ln (CSAH 121) over Rush Creek that is nearing the end of its useful life. This project presents an opportunity to preserve a critical asset, and also incorporate the future Three Rivers Park District reginal trail grade-separated crossing of Fernbrook Ln into the design and construction of the project; into the design; thereby enhancing the livability and quality of life for Maple Grove and Hennepin County residents.

Three Rivers Park District acknowledges that Hennepin County is pursing federal funding to replace \#90617 along Fernbrook Ln (CSAH 121) and that the Park District may be required to cost participate on the local match for the grade-separated crossing as outlined in the county's cost participation policy. Specific details regarding cost participation and maintenance responsibilities are anticipated to be determined during the design process as project development is advanced. Additionally, Three Rivers Park District agrees to maintain the multimodal facility underneath the bridge year-round in accordance with the Hennepin County Cost Participation and Maintenance Policies.

Thank you for making us aware of this application and project, and for the opportunity to provide support. Three Rivers Park District looks forward to working with you on this project.


Boer R. Carlson, Superintendent Three Rivers Park District


[^0]:    ? specific direct access improvements for residents
    ? improved access to destinations such as jobs, school, health care or other;
    ? newtransportation services or modal options;
    ? and/or community connection and cohesion improvements.

