



Environment and Natural Resources Trust Fund

2025 Request for Proposal

General Information

Proposal ID: 2025-240

Proposal Title: Quarry Lake Erosion Project

Project Manager Information

Name: Andrea Harrell

Organization: City of Shakopee

Office Telephone: (952) 233-9321

Email: aharrell@shakopecmn.gov

Project Basic Information

Project Summary: The City of Shakopee will re-grade and stabilize portions of Quarry Lake affected by erosion, and construct a fishing pier and paved trail.

ENRTF Funds Requested: \$404,000

Proposed Project Completion: March 31, 2027

LCCMR Funding Category: Land Acquisition, Habitat, and Recreation (G)

Project Location

What is the best scale for describing where your work will take place?

Region(s): Metro

What is the best scale to describe the area impacted by your work?

Region(s): Metro

When will the work impact occur?

During the Project and In the Future

Narrative

Describe the opportunity or problem your proposal seeks to address. Include any relevant background information.

Quarry Lake was formed after a limestone mining operation closed and was filled by a natural spring. The City of Shakopee eventually acquired the land and have since developed Quarry Lake Park. This park is popular due to the amenities it provides including mountain biking trails, a fishing pier, and a playground. Additionally, the Minnesota DNR stocks Quarry Lake with trout each year, resulting in the park being a very popular area for anglers. However, two locations on the shoreline have become severely eroded due to concentrated stormwater runoff leading to habitat degradation and recreational challenges. In the northeast corner of the lake, an off-site extraction operation contributes to this stormwater runoff and causes prominent sediment loading into the water body. Due to these issues, this northeast area of the park is not widely utilized by park goers. The goal of this project is to stabilize priority erosion areas and improve recreation for park visitors.

What is your proposed solution to the problem or opportunity discussed above? Introduce us to the work you are seeking funding to do. You will be asked to expand on this proposed solution in Activities & Milestones.

With this funding, the City will complete a two-part project: stabilize priority erosion areas 1 and 2 (see map attached) and provide improved recreation opportunities for parkgoers by constructing an additional fishing pier and paved trail. Erosion area 1 is less severe, but still an area of concern. Area 1 will be stabilized to control stormwater run-off. Erosion area 2 is more severe as there are currently no best management practices (BMPs) relating to stormwater or erosion control at this location. Area 2 would be re-graded and have BMPs installed to manage future run-off and sediment loading. After stabilization of the eroding areas occurs, a paved trail would be added and an additional fishing pier constructed. The new paved trail would connect the main parking lot of the park to the northeast corner of Quarry Lake, providing access to the new fishing pier. The new pier would allow anglers convenient access to fish on the opposite side of the lake from where the current pier exists.

What are the specific project outcomes as they relate to the public purpose of protection, conservation, preservation, and enhancement of the state's natural resources?

At 70 acres, Quarry Lake is the 4th largest trout lake in the Central/Metro region of Minnesota, providing a unique amenity to the Twin Cities area. Installing proper stormwater and erosion BMPs will have a positive long-term impact on the conservation of Quarry Lake. The improvements will improve habitat and surface water quality for the designated trout fishery and other wildlife that utilize the lake. Additionally, by completing the proposed erosion and park improvements will enhance recreation opportunities for Shakopee's residents and surrounding communities.

Activities and Milestones

Activity 1: Project Planning, Design, and Construction Support

Activity Budget: \$69,000

Activity Description:

Project planning, design, and construction support will consist of obtaining and completing all required permits, surveys, and assessments as well as selecting an engineering firm to develop plans and specifications and to assist City staff with bidding and construction support. Plans will be developed through appropriate processes before being reviewed and approved by City staff. The estimated total of pre-design, design, and construction costs is \$69,000, including an estimated \$53,000 in pre-design and design costs as well as \$16,000 in pre-construction costs.

Activity Milestones:

Description	Approximate Completion Date
Consultation with SHPO	June 30, 2025
All Construction Funds Legally Secured	June 30, 2025
Selection of a Consultant: Select Engineering Firm to develop plans	August 31, 2025
Survey, Delineation Work, Other Permitting: Develop plans, specs, acquire permits	February 28, 2026
Agency Review: City Council approves Final Plans	February 28, 2026

Activity 2: Project Construction

Activity Budget: \$334,000

Activity Description:

Project construction will consist of site clearing and grubbing, erosion control, grading, and constructing all deliverables consisting of permanent stormwater and erosion control BMPs, a paved trail, and fishing pier, in addition to construction management and any other necessary construction activities. The estimated total of construction costs is \$435,000, including the 25% match (\$101,000) in addition to the budgeted ENRTF funds (\$334,000).

Activity Milestones:

Description	Approximate Completion Date
Advertisement for Bid: Select Contractor to complete project	April 30, 2026
Construction, Oversight, & Administration Begins: Shoreline stabilization of priority areas, construct fishing pier & paved path	May 31, 2026
Construction, Oversight, & Administration Ends: Shoreline stabilization of priority areas, construct fishing pier & paved path	November 30, 2026

Activity 3: Construction & Grant Close-out

Activity Budget: \$1,000

Activity Description:

Project close-out will include recording the Notice of Funding Restriction, installation of signage, obtaining a release letter from the contracted construction company documenting the project has been paid in full, and opening to the public.

Activity Milestones:

Description	Approximate Completion Date
Open for Intended Use	November 30, 2026
Signage Installed with ENRTF Language or Logo	November 30, 2026
Obtain Construction Contractor Release Letter	March 31, 2027
Notice of Funding Restriction Recorded	March 31, 2027

Long-Term Implementation and Funding

Describe how the results will be implemented and how any ongoing effort will be funded. If not already addressed as part of the project, how will findings, results, and products developed be implemented after project completion? If additional work is needed, how will this work be funded?

The proposed stormwater BMPs and recreational additions would be permanent components of Quarry Lake Park. Necessary maintenance of these additions will be funded through the City's assigned Capital Assets Reserve fund, where planned maintenance and replacement of an asset is budgeted for in smaller amounts every year, allowing the City to allocate funds for large maintenance projects and replacement throughout the items' useful life cycle without hardship to residents. Maintenance would be facilitated by the City to be completed by City staff and/or approved contractors. Future improvements of this area would be funded through planned city budgets.

Project Manager and Organization Qualifications

Project Manager Name: Andrea Harrell

Job Title: Grants & Special Projects Coordinator

Provide description of the project manager's qualifications to manage the proposed project.

Andrea Harrell has an Masters of Public Administration degree from St. Cloud State University and has over 9 years experience managing grant projects, including projects funded by Federal-level earmarks resulting in millions of dollars being invested in the Shakopee community. Andrea is supported by qualified City staff including: Alex Jordan, City Engineer, who has 13 years of experience, holds a Bachelors degree from University of Minnesota in Civil Engineering, and a MN Professional Engineering certification; Micah Heckman, Assistant City Engineer, who has 17 years experience, holds a Bachelors degree from North Dakota State University in Civil Engineering, and a certification in Design of Construction Stormwater Pollution Prevention Planning; Kirby Templin, Water Resources and Environmental Engineer, who has 12 years of experience, holds a Masters degree from the University of Minnesota in Civil Engineering with an emphasis in Water Resources, and a certification in Stream Restoration Science and Engineering; and Lindsey Vugteveen, Water Resources and Environmental Technician, who has 3 years of experience, holds a Bachelors degree from Carthage College in Environmental Science with an emphasis in Conservation and Ecology, and a University of Minnesota Erosion and Stormwater Management Certification in Site Management.

Organization: City of Shakopee

Organization Description:

The City of Shakopee is a municipality located in Scott County, in the Southwest Metro Area.

Budget Summary

Category / Name	Subcategory or Type	Description	Purpose	Gen. Ineligible	% Benefits	# FTE	Classified Staff?	\$ Amount
Personnel								
							Sub Total	-
Contracts and Services								
TBD	Professional or Technical Service Contract	The Engineering Firm will develop the project design and support the construction contractor.				0.25		\$69,000
TBD	Professional or Technical Service Contract	The Construction Contractor will complete work related to erosion, building a fishing pier and paved trail, and updating park signage.				3.75		\$335,000
							Sub Total	\$404,000
Equipment, Tools, and Supplies								
							Sub Total	-
Capital Expenditures								
							Sub Total	-
Acquisitions and Stewardship								
							Sub Total	-
Travel In Minnesota								
							Sub Total	-
Travel Outside Minnesota								

							Sub Total	-
Printing and Publication								
							Sub Total	-
Other Expenses								
							Sub Total	-
							Grand Total	\$404,000

Classified Staff or Generally Ineligible Expenses

Category/Name	Subcategory or Type	Description	Justification Ineligible Expense or Classified Staff Request
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Non ENRTF Funds

Category	Specific Source	Use	Status	Amount
State				
			State Sub Total	-
Non-State				
Cash	City of Shakopee Storm Drainage Fund, financed by Storm Drainage User Charges via utility bills to commercial and residential properties.	These funds will cover the remainder of the construction costs payable to the Construction Contractor, \$101,000.	Secured	\$101,000
			Non State Sub Total	\$101,000
			Funds Total	\$101,000

Total Project Cost: \$505,000

This amount accurately reflects total project cost?

Yes

Acquisition and Restoration

Parcel List

Name	County	Site Significance	Activity	Acres	Miles	Estimated Cost	Type of Landowner	Easement or Title Holder	Status of Work
Quarry Lake	Scott	This parcel includes a section of Quarry Lake within Quarry Lake Park, providing freshwater and shoreline habitats. The lake is spring fed and is stocked with trout by the MNDNR, making it a popular fishing area for the City and surrounding communities. The shoreline consists of tall grasses, trees, and shrubs that provide habitat for insects, birds, and small mammals. The shoreline impacted by the project is approximately 0.5 miles in length, and the proposed trail is approximately 0.25 miles in length.	Restoration	34.34	0.75	\$505,000	Public	City of Shakopee	Has Not Begun
Totals				34.34	0.75	\$505,000			

Restoration

1. Provide a statement confirming that all restoration activities completed with these funds will occur on land permanently protected by a conservation easement or public ownership.

Quarry Lake is within Quarry Lake Park. This land is owned and managed by the City of Shakopee and will be protected under public ownership.

2. Summarize the components and expected outcomes of restoration and management plans for the parcels to be restored by your organization, how these plans are kept on file by your organization, and overall strategies for long-term plan implementation.

There are two active erosion locations caused by surface runoff and the outcome of the project is to stabilize the two areas to resolve these erosion problems. A recreational project component consists of a trail and fishing pier. The outcome of these project elements is to provide an additional location where park visitors can safely access and fish for trout. Quarry Lake Park is a city park that is managed by the City. The improvements constructed by this project will be added to the City's existing inspection and maintenance programs. This project plan will be implemented with this grant, project plans will be kept on file for future reference, and all grant documents will be archived and retained for a minimum of 7 years post-grant reporting close-out or a length of time determined by the grantor in the grant agreement, whichever is longer.

3. Describe how restoration efforts will utilize and follow the Board of Soil and Water Resources "Native Vegetation Establishment and Enhancement Guidelines" in order to ensure ecological integrity and pollinator enhancement.

Native vegetation will be established in accordance with these guidelines. Appropriate Minnesota state seed mixes will be chosen to establish successful native plant communities based on project goals and site conditions. Vegetated areas will be prepped prior to seeding and then managed for establishment and noxious weed control.

4. Describe how the long-term maintenance and management needs of the parcel being restored with these funds will be met and financed into the future.

Long-term management and maintenance of these areas will be done to address any persisting stabilization and noxious weed issues. New stormwater best management practices will be added to the City's inventory and incorporated into necessary inspection and maintenance schedules to be conducted in the future. Future financing of maintenance and management will be provided by the City's Capital Asset Reserve for Replacement and be supplemented, as needed, by the City's Storm Drainage Fund.

5. Describe how consideration will be given to contracting with Conservation Corps of Minnesota for any restoration activities.

The components of this project do not lend themselves to contracting with the Conservation Corps. Restoration activities in this project are centered toward local erosion control and stormwater management, not large scale ecosystem restoration efforts.

6. Provide a statement indicating that evaluations will be completed on parcels where activities were implemented both 1) initially after activity completion and 2) three years later as a follow-up. Evaluations should analyze improvements to the parcel and whether goals have been met, identify any problems with the implementation, and identify any findings that can be used to improve implementation of future restoration efforts at the site or elsewhere.

Inspections will be conducted during ongoing construction as well as after the project is finished. The City will adhere to grant requirements, completing evaluations after initial project completion and for 3 years after, specific to any requirements included in the grant agreement. These evaluations will be used to determine project success including insuring stormwater best management practice functionality and vegetation establishment. Any issues or complications with implementation will be noted during evaluations as well.

Attachments

Required Attachments

Map

File: [f067308f-05c.pdf](#)

Alternate Text for Map

Quarry Lake Park is shown, identifying stabilization areas, proposed trail and pier, and includes parcel boundaries, elevation contours, and images of erosion issues. Area 1 is in the northwest corner and Area 2 is in the northeast corner with the proposed pier. The proposed trail runs along the northern lakeshore....

Financial Capacity

Title	File
2022 Shakopee Annual Comprehensive Financial Report- FINAL	5a2fdd36-676.pdf

Board Resolution or Letter

Title	File
City of Shakopee Resolution R2024-041 Approving LCCMR Grant Application	510eafd2-a47.pdf

Supplemental Attachments

Capital Project Questionnaire, Budget Supplements, Support Letter, Photos, Media, Other

Title	File
City of Shakopee Capital Construction Budget Addendum	584d1360-81c.xlsx
City of Shakopee Capital Construction Project Questionnaire	de36d178-cba.pdf

Administrative Use

Does your project include restoration or acquisition of land rights?

Yes: Restoration,

Does your project have potential for royalties, copyrights, patents, sale of products and assets, or revenue generation?

No

Do you understand and acknowledge IP and revenue-return and sharing requirements in 116P.10?

N/A

Do you wish to request reinvestment of any revenues into your project instead of returning revenue to the ENRTF?

N/A

Does your project include original, hypothesis-driven research?

No

Does the organization have a fiscal agent for this project?

No

Does your project include the pre-design, design, construction, or renovation of a building, trail, campground, or other fixed capital asset costing \$10,000 or more or large-scale stream or wetland restoration?

Yes

Do you propose using an appropriation from the Environment and Natural Resources Trust Fund to conduct a project that provides children's services (as defined in Minnesota Statutes section 299C.61 Subd.7 as "the provision of care, treatment, education, training, instruction, or recreation to children")?

No

Provide the name(s) and organization(s) of additional individuals assisting in the completion of this proposal:

Andrea Harrell, City of Shakopee; Kirby Templin, City of Shakopee; Lindsey Vugteveen, City of Shakopee

