



# LOWER MINNESOTA RIVER WATERSHED DISTRICT

## Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting  
Wednesday, August 21, 2024

### Agenda Item

#### Item 7. F. – Spring Creek

#### Prepared By

Linda Loomis, Administrator

#### Summary

The LMRWD has been working for several years to stabilize two reaches of Spring Creek that are threatening private property. Spring Creek is not on the public waters inventory and is known as unnamed creek #07020012-527. It is on the 303(d) list as impaired for fecal coliform. Carver County did not list the creek as a public water during the process to identify public waters to determine if buffer zones are required. The County claimed that the watershed to the creek was too small to warrant it being designated as a public water. The creek receives a significant amount of stormwater through the city of Carvers storm sewer system. This has caused the creek to become extremely flashy. The stormwater has caused erosion that has proven problematic for two residential properties.

The LMRWD retained the services of ISG to design a project that will stabilize the creek bank at the two properties. This project is in the LMRWD implementation plan. The LMRWD is at the 90% design phase and is ready to bid construction of the project. All permits that are necessary for the project are in place and the LMRWD has levied funds for the construction of the project.

Budget Year	Revenues	Expenses
2019	\$45,000.00	\$4,543.78
2020	\$0.00	\$0.00
2021	\$75,000.00	\$8,742.36
2022	\$0.00	\$12,336.30
2023	\$90,000.00	\$56,927.92
2024	\$100,000.00	\$9,909.85
<b>TOTAL</b>	<b>\$310,000.00</b>	<b>\$93,460.21</b>

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\$217,539.79 is remaining for construction of the project, which has been estimated to cost \$123,288.00 by ISG.

Staff are working to obtain rights of entry to the project area to construct the project. The Board should authorize the project by adopting Resolution 24-19. More information on this project can be found on the [LMRWD website](#).

**Attachments**

- [Spring Creek Hydrology Review dated January 15, 2022](#)
- Cost Estimate 90% submittal dated 7-18-2023
- Resolution 24-19 Ordering Spring Creek Improvements

**Recommended Action**

Motion to adopt Resolution 24-19 Ordering Spring Creek Improvements

Lower Minnesota Watershed District  
Spring Creek - Site 1 and 2 Stream Stabilization  
Carver, MN  
90% Submittal 7-18-2024



Cost Estimate

SITE 1 STREAM STABILIZATION

Item No.	Item	Unit	Quantity	Unit Price	Amount
101	MOBILIZATION	LS	1	\$ 6,310.00	\$ 6,310
102	PUSSY WILLOW ( <i>Salix discolor</i> )	EA	2	\$ 224.00	\$ 448
103	PAGODA DOGWOOD ( <i>Cornus alternifolia</i> )	EA	4	\$ 280.00	\$ 1,120
104	CHOKECHERRY ( <i>Prunus virginiana</i> )	EA	3	\$ 98.00	\$ 294
105	NANNYBERRY ( <i>Viburnum lentago</i> )	EA	6	\$ 119.00	\$ 714
106	DOWNY ARROWWOOD ( <i>Viburnum rafinesquianum</i> )	EA	2	\$ 207.00	\$ 414
107	BLACK RASPBERRY ( <i>Rubus occidentalis</i> )	EA	11	\$ 55.00	\$ 605
108	SPOTTED JOE PYE WEED ( <i>Eutrochium maculatum</i> )	EA	21	\$ 35.00	\$ 735
109	SPOTTED GERANIUM ( <i>Geranium maculatum</i> )	EA	53	\$ 45.00	\$ 2,385
110	VIRGINA CREEPER ( <i>Parthenocissus quinquefolia</i> )	EA	38	\$ 53.00	\$ 2,014
111	OBEDIENT PLANT ( <i>Physostegia virginiana</i> )	EA	21	\$ 35.00	\$ 735
112	SOLOMON'S SEAL ( <i>Polygonatum biflorum</i> )	EA	8	\$ 53.00	\$ 424
113	GOLDENROD ( <i>Solidago canadensis</i> )	EA	27	\$ 35.00	\$ 945
114	SPRENGEL'S SEDGE ( <i>Carex Sprengelii</i> )	EA	43	\$ 35.00	\$ 1,505
115	HEAVY VEGETATIVE CLEARING WITH TREE REMOVAL	AC	0.10	\$ 30,000.00	\$ 3,000
116	INSTALL SILT FENCE	LF	72	\$ 6.50	\$ 468
117	INSTALL BIO-ROLL	LF	102	\$ 6.50	\$ 663
118	16-INCH COIR LOG	LF	220	\$ 27.00	\$ 5,940
119	RIPARIAN SOUTH AND WEST MNDOT SEED MIX 34-261 WITH CATEGORY 20 EROSION CONTROL BLANKET	SF	2092	\$ 4.50	\$ 9,414
120	TURF SEED - MNDOT SEED MIX 25-131 WITH CATEGORY 20 EROSION CONTROL BLANKET	SF	1871	\$ 3.25	\$ 6,081
121	LIVE STAKES	SY	173	\$ 30.00	\$ 5,190
122	REMOVE TREE OBSTRUCTIONS	EA	7	\$ 500.00	\$ 3,500
123	CLASS III RIPRAP WITH GEOTEXTILE FABRIC	CY	110	\$ 120.00	\$ 13,200
124	COMMON EXCAVATION	CY	40	\$ 20.00	\$ 800
125	MISC. GRADING & REMOVE LANDSCAPING FABRIC	LS	1	\$ 2,500.00	\$ 2,500
<b>SUBTOTAL CONSTRUCTION COST</b>					<b>\$ 69,404</b>
10% UNFORSEEN					\$ 6,940
<b>TOTAL CONSTRUCTION COST</b>					<b>\$ 76,344</b>

Lower Minnesota Watershed District  
 Spring Creek - Site 1 and 2 Stream Stabilization  
 Carver, MN  
 90% Submittal 7-18-2024



**Cost Estimate**  
**SITE 2 STREAM STABILIZATION**

Item No.	Item	Unit	Quantity	Unit Price	Amount
101	MOBILIZATION	LS	1	\$ 3,880.00	\$ 3,880
102	PAGODA DOGWOOD (Cornus alternifolia)	EA	2	\$ 280.00	\$ 560
103	CHOCHECHERRY (Prunus virginiana)	EA	3	\$ 98.00	\$ 294
104	DOWNY ARROWWOOD (Viburnum rafinesquianum)	EA	3	\$ 207.00	\$ 621
105	NINEBARK (Physocarpus opulifolius)	EA	5	\$ 152.00	\$ 760
106	BLACK RASPBERRY (Rubus occidentalis)	EA	7	\$ 55.00	\$ 385
107	SPOTTED JOE PYE WEED (Eutrochium maculatum)	EA	3	\$ 35.00	\$ 105
108	SPOTTED GERANIUM (Geranium maculatum)	EA	11	\$ 45.00	\$ 495
109	VIRGINA CREEPER (Parthenocissus quinquefolia)	EA	37	\$ 53.00	\$ 1,961
110	OBEDIENT PLANT (Physostegia virginiana)	EA	16	\$ 35.00	\$ 560
111	SOLOMON'S SEAL (Polygonatum biflorum)	EA	7	\$ 53.00	\$ 371
112	GOLDENROD (Solidago canadensis)	EA	30	\$ 35.00	\$ 1,050
113	SPRENGEL'S SEDGE (Carex Sprengelii)	EA	33	\$ 35.00	\$ 1,155
114	HEAVY VEGETATIVE CLEARING WITH TREE REMOVAL	AC	0.05	\$ 30,000.00	\$ 1,500
115	INSTALL SILT FENCE	LF	68	\$ 6.50	\$ 442
116	INSTALL BIO-ROLL	LF	104	\$ 6.50	\$ 676
117	12-INCH COIR LOG	LF	46	\$ 20.00	\$ 920
118	16-INCH COIR LOG	LF	105	\$ 27.00	\$ 2,835
119	RIPARIAN SOUTH AND WEST MNDOT SEED MIX 34-261 WITH CATEGORY 20 EROSION CONTROL BLANKET	SF	764	\$ 4.50	\$ 3,438
120	TURF SEED - MNDOT SEED MIX 25-131 WITH CATEGORY 20 EROSION CONTROL BLANKET	SF	1178	\$ 3.25	\$ 3,829
121	LIVE STAKES	SY	73	\$ 30.00	\$ 2,190
122	REMOVE & DISPOSE BROKEN HEADWALL	EA	2	\$ 2,000.00	\$ 4,000
123	REMOVE TREE OBSTRUCTIONS	EA	6	\$ 500.00	\$ 3,000
124	CLASS III RIPRAP WITH GEOTEXTILE FABRIC	CY	45	\$ 120.00	\$ 5,400
125	COMMON BORROW	CY	45	\$ 50.00	\$ 2,250
<b>SUBTOTAL CONSTRUCTION COST</b>					<b>\$ 42,677</b>
10% UNFORSEEN					\$ 4,268
<b>TOTAL CONSTRUCTION COST</b>					<b>\$ 46,944</b>

**TOTAL REPAIR COST**

<b>SITE 1 STREAM STABILIZATION</b>	<b>\$ 76,344</b>
<b>SITE 2 STREAM STABILIZATION</b>	<b>\$ 46,944</b>
<b>COMPLETE REPAIR COST</b>	<b>\$ 123,288</b>

RESOLUTION 24-19

**RESOLUTION OF THE LOWER MINNESOTA RIVER WATERSHED DISTRICT BOARD OF MANAGERS**

**ORDERING SPRING CREEK IMPROVEMENTS**

Manager \_\_\_\_\_ made a motion to adopt Resolution 24-19. The motion was seconded by Manager \_\_\_\_\_:

WHEREAS, on October 24, 2018, the Lower Minnesota River Watershed District (LMRWD) adopted the Lower Minnesota River Watershed District Watershed Management Plan (Plan) and on October 19, 2022, adopted an amendment to the Plan; and

WHEREAS, the Plan includes an Implementation Program listing capital projects in Table 4-1 of the Plan; and

WHEREAS, in 2017, the LMRWD first identified erosion of Spring Creek as a problem and has completed several assessments of the hydrology of the creek the recent in January 2022, that call for stabilization and remedial measures to improve the corridors resilience, protect the creek bank and decrease further erosion (Project); and

WHEREAS, in consideration of the above record in the matter, the LMRWD Board of Managers finds that the Project will be conducive be public health, will promote the general welfare, and complies with Minnesota Statutes chapters 103B and 103D and the Plan, and that the Project will fulfill the purposes and goals of the LMRWD.

NOW, THEREFORE, BE IT RESOLVED that the Lower Minnesota River Watershed District Board of Managers hereby orders the Project and directs that the project be funded using funds already collected through a district-wide levy; and

BE IT FURTHER RESOLVED that the Board of Managers directs the preparation of final designs, plans and specifications for the Project; and

BE IT FINALLY RESOLVED that the Board of Managers directs the utilization of final designs, plans and specifications to solicit a contractor or contractors for the construction and implementation of the Project in accordance with applicable public procurement law, and to timely present a contract or contracts for the work necessary to complete the Project to the managers for approval.

The question was on the adoption of the Resolution and there were \_\_\_ yeas and \_\_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>	<u>Abstain</u>
BARISONZI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
KUPLIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LAMMERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SALVATO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VISWANATHAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Upon a vote being taken, the President declared Resolution 24-19 adopted by the Board of Managers of the Lower Minnesota River Watershed District this 21st day of August 2024.

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Joseph Barisonzi, President

ATTEST:

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Lauren Salvato, Secretary