



CITY of NOVI CITY COUNCIL

Agenda Item 2
March 12, 2018

SUBJECT: Approval of Resolution authorizing submission of a Land and Water Conservation Fund (LWCF) grant application for renovating the shoreline at Pavilion Shore Park. Total estimated development cost, including grant, is \$292,082, with the 50 percent City match of \$146,041.

SUBMITTING DEPARTMENT: Parks, Recreation & Cultural Services

CITY MANAGER APPROVAL: 

BACKGROUND INFORMATION:

One of the goals of the Novi Parks, Recreation and Cultural Services (PRCS) Grant Committee is to identify potential development opportunities which may be good candidates for Land and Water Conservation Fund (LWCF) development grants. One potential project is renovating the shoreline at Pavilion Shore Park, located at 43390 W 13 Mile Road on the southern shore of Walled Lake.

When Pavilion Shore Park was developed in 2013, several trees with 2-3-inch trunk diameters were removed along the shoreline. Coir logs were installed with the intent to slow erosion and spur the growth of new shoreline plants. Coir logs are tube-shaped, erosion-control devices filled with straw, flax, rice, coconut fiber material or composted material. Each roll is wrapped with UV-degradable polypropylene netting with 100-percent biodegradable materials like burlap, jute or coir. Unfortunately, the logs failed due to wave action and the down current of the lake. Additionally, the winter ice flow has contributed to the breakdown of the logs and plantings.

PRCS, Parks Maintenance and DPS/Engineering staff met with a representative from the Michigan Department of Environmental Quality (DEQ) in June 2017 to review the erosion status. It was determined the shoreline needed to be stabilized to prevent further erosion. The DEQ informed staff that concrete retaining walls would not be accepted and the use of stone and natural features was preferred. A favored alternative would be to restore shoreline erosion using techniques such as soil wrapped in geotextile liner, heavy riprap over geotextile liner, cobble blocks, etc.

The PRCS Department's goal for this development is to preserve the park space and prevent further erosion of the shoreline. Total estimated renovation cost, including grant, is \$292,082, with the 50 percent City match of \$146,041.

The PRCS Grants Committee and PRCS Commission have recommended submission of the grant for the 2018 cycle. Pending Council approval, PRCS will submit the application by April 1, 2018. A final recommendation to the LWCF Board will occur in December 2018. If approved by the LWCF, renovation of the property would be scheduled for 2019.

RECOMMENDED ACTION: Approval of Resolution authorizing submission of a Land and Water Conservation Fund (LWCF) grant application for renovating the shoreline at Pavilion Shore Park. Total estimated development cost, including grant, is \$292,082, with the 50 percent City match of \$146,041.



Pavilion Shore facing east (Aug. 2013 Grand Opening)



Pavilion Shore facing west (Sept. 2017)



Pavilion Shore facing east (Sept. 2017)



Yellow denoting the amount of area eroded |



Pavilion Shore facing east (July 2013)

CITY OF NOVI

COUNTY OF OAKLAND, MICHIGAN

**RESOLUTION AUTHORIZING SUBMISSION OF A LAND AND WATER CONSERVATION
FUND (LWCF) GRANT APPLICATION**

Minutes of a _____ Meeting of the City Council of the City of Novi, County of Oakland, Michigan, held in the City Hall of said City on March 12, 2018, at 7 P.M. Prevailing Eastern Time.

PRESENT: Councilmembers _____

ABSENT: Councilmembers _____

The following preamble and Resolution were offered by Councilmember _____ and supported by Councilmember _____.

WHEREAS; the City of Novi adopted (2015) an updated Strategic Community Recreation and Master Park Plan; and

WHEREAS; the City's Strategic Community Recreation and Master Park Plan recognizes the value of park enhancements in order to serve residents and anticipate the needs of a growing and dynamic community; and

WHEREAS; the 2018 Land and Water Conservation Fund (LWCF) has grant monies available for the development of park land and open space; and

WHEREAS; the City Council believes it to be appropriate to submit an application for an LWCF grant in the amount of 50 percent of the total cost, with a local (City) match of 50 percent of the total project costs; and

WHEREAS; the City Council has identified sources of funding to secure the 50 percent local match, which would total \$146,041.

NOW, THEREFORE, BE IT RESOLVED that the Novi City Council hereby resolves to take all actions necessary to submit a 2018 City of Novi Michigan

Land and Water Conservation Fund (LWCF) grant application in connection with the shoreline at Pavilion Shore Park, subject to the following:

1. That the application identify a project cost of \$292,082.
2. That the City will provide a 50 percent local match in the amount of \$146,041.

AYES:

NAYS:

ABSTENTIONS:

ABSENT:

STATE OF MICHIGAN)

)ss.

COUNTY OF OAKLAND)

I, DAWN SPAULDING, a duly-qualified Clerk of the City of Novi, Oakland County, Michigan, do hereby certify that the foregoing is a resolution adopted by the City Council of the City of Novi, at a duly-called meeting held on _____ a copy of which is on file in my office.

Dawn Spaulding, Acting City Clerk

City of Novi

This Resolution was signed and acknowledged before me on _____, by DAWN SPAULDING a duly-authorized Clerk for the City of Novi, a Michigan municipal corporation.

Notary Public, Oakland County, Michigan

My Commission Expires: _____

City of Novi
Shoreline Erosion Control & Misc Improvements
Pavilion Shore Park
Preliminary Estimate of Cost
2/20/2018

Item No.	Item Description	Unit	Quantities	Unit Price (\$)	Total Cost (\$)
			Total	Unit Price (\$)	Total Cost (\$)
1	Mobilization (10%)	LS	1	17,595.60	\$ 17,595.60
2	Pre-Construction Audio-Visual	LS	1	2,000.00	\$ 2,000.00
3	Earth Excavation	Cyd	264	\$ 15.00	\$ 3,960.00
4	Heavy Riprap or Cobblestone	Syd	1,296	\$ 100.00	\$ 129,600.00
5	Silt Fence	Ft	800	\$ 3.00	\$ 2,400.00
6	Turbidity Curtain	Ft	800	\$ 15.00	\$ 12,000.00
7	Maintaining Traffic	LS	1	\$ 5,000.00	\$ 5,000.00
8	Surface Restoration	LS	1	\$ 5,000.00	\$ 5,000.00
	Miscellaneous Items (10%)				\$ 15,996.00
	Total Construction Cost				\$ 193,551.60
	Design Engineering	LS	12.00%		\$23,226.19
	Geotechnical Investigation	LS	-	\$ 9,522.00	\$0.00
	Inspection (Crew Days)	Day	35	\$700.00	\$24,500.00
	Contract Administration	LS	7.75%		\$15,000.25
	Materials Testing	LS	1	\$ 3,500.00	\$3,500.00
	Total Estimated Cost				\$259,778.04

Estimate Assumptions:

The shoreline on the lakeside of the block retaining wall is not included in the project.