



## REQUEST FOR COUNCIL ACTION

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**MEETING DATE:** June 20, 2022

**PREPARED BY:** Derek Asche, Water Resources Engineer

**AGENDA ITEM:** Pike Lake Channel Stabilization Project No. 22-09  
Resolution No. 22-109

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**PREVIOUS ACTIONS:**  
None

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**RECOMMENDED COUNCIL ACTION:**

Motion to adopt Resolution No. 22-109 establishing project 22-09 Pike Lake Channel Stabilization Phase III and approving the Cooperative Construction Agreement with the City of Plymouth.

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**COMMENTS:**

The Pike Lake Channel Stabilization Phase III Project addresses significant erosion and channelization along two stretches of the channel totaling approximately 1,000 linear feet of the DNR public waterway at the border of Plymouth and Maple Grove. This channel discharges directly into Pike Lake and Pike Lake outlets into Eagle Lake. An adjacent portion of the channel was stabilized in 2002 where Maple Grove was the project lead and Plymouth and Hennepin County Shared in the cost. The project received national attention in Land and Water Magazine.

Pike Lake and Eagle Lake are impaired for nutrients and a Total Maximum Daily Load (TMDL) was established for Pike Lake in 2010. Improvements along the streambank will include regrading and stabilization of the banks utilizing hard armoring and bioengineering strategically placed along certain stretches of the creek. These improvements are anticipated to remove 20 lbs of TP and 47,200 lbs of TSS per year from the current nutrient load to Pike and Eagle Lakes, helping to address the required pollution reduction identified in the TMDL and improve the water quality of both lakes.

A Cooperative Construction Agreement similar to previous projects on the Pike Lake channel between Maple Grove and Plymouth has been drafted. The overwhelming majority of construction is proposed in the City of Plymouth, therefore, Plymouth will manage the project including development of plans and specifications, project bidding, contract administration and grant administration. Consistent with past practice, funding from each city is based on the contributing watershed area.

The estimated project cost is \$395,500 and is to be split amongst several partners according to the following schedule:

1. Board of Water and Soil Resources – Clean Water Fund Grant - \$150,000
2. Shingle Creek Watershed - \$95,000
3. City of Maple Grove Trunk Storm Sewer Fund (68.5% watershed area) - \$103,100
4. City of Plymouth (31.5% watershed area) - \$47,400

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**ATTACHMENTS:**

Attachment A: Resolution No. 22-109

Attachment B: Location map

Attachment C: Cooperative Construction Agreement with the City of Plymouth

Attachment D: Land and Water Magazine Article