

Town of Windham



Public Works Department
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July 1, 2024

To: Barry Tibbetts, Town Manager
Robert Burns, P.E. Assistant Town Manager
Jon Earle, P.E. Public Works Director

From: Jon Earle, P.E. Public Works Director
Mark Arienti, P.E. Town Engineer

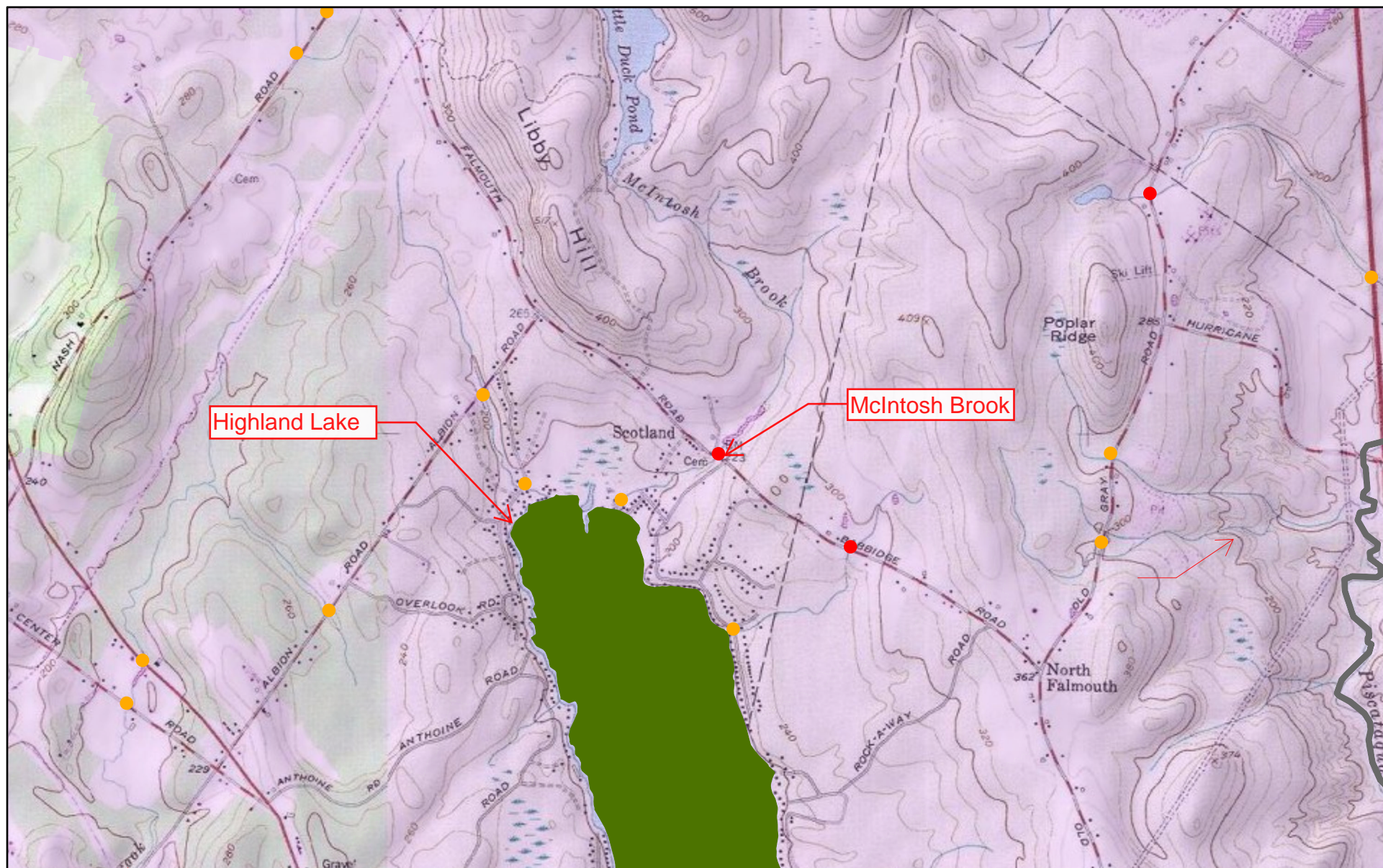
Re: McIntosh Brook Culvert Replacement Grant Application

The Maine Department of Transportation (MaineDOT) is seeking applications under the Municipal Stream Crossing Program to provide funding for the upgrade of municipal culverts at stream crossings, with the goal of creating infrastructure that is resilient to future climate conditions and that provides community, economic, and environmental benefits.

The Falmouth Road crossing of McIntosh Brook currently consists of twin 36-inch diameter corrugated metal culverts. On at least two occasions over the past year Falmouth Road has flooded when intense rainfall events exceeded the culvert capacity and flooded Falmouth Road causing erosion of the road banks and undermining the edge of the road. In addition, these culverts are perched about 16 inches above the pool level on the downstream side under normal flow conditions. This perched condition prevents migration of fish and other fauna between the upstream Little Duck Pond side of the brook and the downstream Highland Lake side.

For these reasons we believe that the existing culvert needs to be replaced by a larger culvert structure that is designed to meet Maine DOT Q₁₀₀ peak flow standards for capacity. We recommend that the Town submit an application under the Municipal Stream Crossing program to get funds for this project. The grant program can provide up to \$200,000 per crossing under this program and requires a minimum of \$5,000 of local match. The preliminary estimated cost for designing and installing a new culver crossing is \$832,000. We are asking to be granted the full \$200,000 in grant funds so our match funds would need to be \$632,000. We are seeking endorsement of this project from the Town Council

Viewer Map



June 20, 2024

crossingsbarrierscr

crossingsbarriersdm

alewifedh

brookps

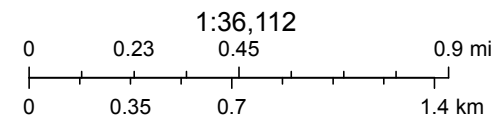
Barrier

Barrier

Accessible

Potential Barrier

Stream



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