

MEMORANDUM

To: Lake Shamineau LID Board
From: Mike Opat, HEI Project Manager
Subject: Task 2A Review Summary
Date: 12/22/2020
Project: Lake Shamineau High Water Outlet
Task 2A: Alternative Analysis & Ditch Petition

SUMMARY OF SERVICES & DELIVERABLES

The purpose of this memorandum is to document the services and deliverables provided by Houston Engineering, Inc. (HEI) as part of Task 2A: Alternative Analysis & Ditch Petition. The agreement for Task 2A was signed on September 9, 2020 and was set to run through December 31, 2020. With the Lake Shamineau Lake Improvement District's (LSLID) initial right of way acquisition process still in progress, all the services included under Task 2A could not be completed by December 31, 2020. HEI and the LSLID have agreed to closeout Task 2A on December 31, 2021 and some of the remaining tasks will be included in Task 2B, which is expected to be authorized by the LSLID prior to January 1, 2021.

The work completed under Task 2A included further investigation of alternatives for routing lake water to Fish Trap Creek. The focus of this effort centered on a ditch system running along Atlantic and Pulaski Roads. HEI provided concept maps and provided the LSLID with preliminary estimates for necessary project right of way areas. This effort also involved assisting the LSLID with the development and review of right of way documents, including easements and purchase agreements.

HEI also completed an initial value engineering effort to identify potential cost savings in the current project cost estimate through potential changes in the project and refinements in the estimates. Specifically, HEI investigated potential means and methods for installing the intake system in the lake, and the constructability and location of the pump station.

Wetland delineations must be completed during the growing season, so Task 2A included the delineation of wetlands along the areas impacted by the project. In consultation with the LSLID, HEI held off on the fieldwork until it was determined that the work needed to be completed before the route was finalized in order to avoid potential delays in project development over the winter months. Unfortunately, an early season snowstorm and cold spell led some of the regulatory agencies involved to delay their reviews until the spring of 2021. As a result of this delay, the wetland delineation report included in Task 2A was not completed and will be included in a future agreement. The LSLID has been provided with the worksheet information pertaining to the wetland delineation field work and HEI will utilize this information when preparing the preliminary construction plans covered under Task 2B.

With landowner negotiations and agreements still in progress, the LSLID's submittal of a petition to utilize Todd County Ditch No. 41 (TCD 41) as an outlet and Todd County has been delayed and HEI's role in that submittal was also delayed. Here again, HEI's services pertaining to the ditch petition have been rolled over from Task 2A to Task 2B.

Other subtasks performed under Task 2A included continued outreach with landowners and agencies, and continued support to the LSLID. The LSLID requested a drone flight of the proposed project route and HEI provided that additional service with the LSLID authorizing the use of contingency funds included in Task 2A to cover those expenses.