



MEMORANDUM

TO: The Honorable Satpal Singh Sidhu, Whatcom County Executive, and
Honorable Members of the Whatcom County Flood Control Zone District
Board of Supervisors

THROUGH: Jon Hutchings, Public Works Director

FROM: Paula J. Harris, P.E., River and Flood Manager
Gary Stoyka, Natural Resources Manager

RE: Interlocal Agreement with Department of Natural Resources for
Nooksack River Lidar Topographic and Bathymetric Mapping
(Work Order No. 22066)

DATE: November 15, 2021

Enclosed is an interlocal between the Department of Natural Resources (DNR) and the Whatcom County Flood Control Zone District (FCZD) for your review and signature.

Requested Action

Public Works respectfully requests that the FCZD Board of Supervisors authorize the County Executive to enter into the above referenced agreement with the DNR for Nooksack River topographic bathymetric mapping services (Work Order No. 22066).

Background and Purpose

River modeling is an important tool that informs comprehensive planning for the FCZD as well as flooding predictions, design parameters, and sedimentation monitoring. An accurate model requires detailed, up-to-date measurements of the bed and banks of the river (bathymetric data). The most recent comprehensive bathymetric survey was completed in 2006, and since that survey there has been significant changes in river alignment, geometry, and sediment loading.

In 2015, the Washington State Legislature mandated that the DNR collect, analyze, and publicly distribute detailed information about our state's geology using the best available technology – LIDAR. If local entities need mapping in areas that are not in the DNR's plan, they are able to partner with the DNR to utilize their existing contracts to map those needed areas. DNR provides the contract administration reviews the final LIDAR product for quality at no cost. Local entities just pay the direct cost of the LIDAR consultant to perform the work. The final product is sent to the local entity as well as published online broader public use.

Funding and Source

The agreement amount is \$129,760 and will be paid 100% by the Flood Fund. There is adequate budget authority for this expenditure.

Please contact Paula Harris at extension 6285, if you have any questions or concerns regarding the terms of this contract.