



TO: Chehalis River Basin Flood Authority members

FROM: Scott Boettcher, Staff

SUBJECT: Scope Modification for Elma-Porter Flood Mitigation Project

The Office of Financial Management (OFM) has asked for the Chehalis River Basin Flood Authority's (Flood Authority) approval of a proposed scope modification for the Elma-Porter Flood Mitigation Project as proposed by Grays Harbor County (the project sponsor). The basis and rationale for this scope modification are described below. Flood Authority approval will be sought following discussion at the September 19, 2013 regular Flood Authority meeting. Please feel free to direct and comments or question to me at 360/480-6600 or scottB@sbgh-partners.com.

Background

1. Last Fall (Fall of 2012) Flood Authority members and staff worked to develop a list of projects to be forwarded for consideration by the Governor's Workgroup and then subsequent consideration by Governor Gregoire for her proposed 2013-15 State Capital Budget.
2. One of the projects, the "Elma-Porter Flood Mitigation Project," was ultimately identified by Governor Gregoire for funding by her proposed 2013-15 State Capital Budget.
3. In the end the project was funded through the endorsement of Governor Inslee and the State Legislature.

Project Scope

- a. One aspect of the Elma-Porter Flood Mitigation Project concerns Porter Creek.
- b. The Flood Authority's 11/09/2012 document described Porter Creek as follows: "**\$150,000 (Refine flood relief alternatives and do pre-design, final design and permitting for culvert installation in the Porter Creek/South Elma junction area).**" See page 9-10
here: [https://www.ezview.wa.gov/Portals/_1492/images/default/FA%20Project%20Documentation%20\(All%20Projects%20--%20Tier%20I%20and%20Tier%20II\).pdf](https://www.ezview.wa.gov/Portals/_1492/images/default/FA%20Project%20Documentation%20(All%20Projects%20--%20Tier%20I%20and%20Tier%20II).pdf).
- c. Governor Gregoire's 12/18/2013 document (which was endorsed and approved for funding by Governor Inslee and the State Legislature) described Porter Creek as follows: "**Design and permit of overflow bridge on Wakefield Road; and installation of culvert in Porter Creek.**" See page 6
here: https://www.ezview.wa.gov/Portals/_1492/images/default/Gov%20Gregoire%20Proposed%20Capital%20Budget%20122012.pdf.

Scope Modification

- Grays Harbor County is proposing to not install the culvert in Porter Creek initially. Rather they are proposing to do the study necessary to generate the appropriate solution (which could be installation of a culvert in Porter Creek). The County is uncomfortable moving forward to install a culvert without having first studied the hydrology of the area to determine what the best and most cost-effective solution (or solutions) is.
- See Attachment I for proposed language modifying the scope for the Porter Creek aspect of the Elma-Porter Flood Mitigation Project.

Attachment I
Proposed Scope Modification for Porter Creek Aspect of Elma-Porter Flood Mitigation Project

Funds Acquisition Form
2013-2015 State Capital Budget
Chehalis River Basin

Return to: Scott Boettcher (scottb@sbgh-partners.com).

PROJECT NAME	
Elma-Porter Flood Mitigation Project https://www.ezview.wa.gov/site/alias_1779/overview/34818/overview.aspx	
Date:	September 11, 2013.
Funds requested:	\$584,000.
Project sponsor:	Grays Harbor County.
Project contact:	Russ Esses, Road Engineer Grays Harbor County Public Services Road Division 100 W. Broadway, Suite 31 Montesano, WA 98563 360-249-4222, X-1648 resses@co.grays-harbor.wa.us
Project description, including project phases:	Element I -- Prepare plans, specifications and estimate (bid documents) for lengthening the overflow bridge at South Bank Road (formerly Wakefield Rd.), Milepost 16.9. The bridge will be lengthened 562 feet so that it has a total length of 900 feet. This project will reduce the 100 year event backwater by 1-2 feet at this location. Cost for this element will be \$420,000. Element II — Install culvert in Porter Creek. — Perform hydraulic modeling and alternative analysis for Dunlap Road, South Bank Road, milepost 10.1 and milepost 10.6 (near Porter) to see if there is any feasible project to reduce flooding (including installation of culvert in Porter Creek). Cost for this element will be \$164,000.
Scope of work showing timeline, expenditure plan and deliverables:	<ul style="list-style-type: none"> • Complete funding approval with OFM by September 30, 2013. • Hire consultant by December 31, 2013. • Complete river modeling and 60 percent of the bridge design by December 31, 2014. Complete bridge design and PS&E (bid package) by April 30, 2015. • Expenditure plan: <ul style="list-style-type: none"> ○ 2013 – \$4,000. ○ 2014 – \$400,000. ○ 2015 - \$180,000.
Description and timing of flood hazard	This project will reduce road flooding and flood elevation in the vicinity of Porter and Elma. The benefits will be achieved after the improvements are constructed in 2016-2017.

reduction benefit(s) to be achieved:	
Plan to ensure project completion and full utilization of funds by 7/01/2015:	Grays Harbor County will give this project a high priority and hire a consultant as soon as possible. The consultant contract will require the bridge design and studies be completed by April 30, 2015 so billings can be submitted to OFM by July 1, 2015.