

From: [Betsy Dillin](#)
To: [Scott Boettcher](#)
Cc: [Ann Weckback](#); [Rodney Lakey](#); [Tim Fife](#); [Malcolm Bowie](#); [Ron Averill](#)
Subject: RE: Information Need ----- RE: Lewis County Public Works - 2019-21 Local Project Application
Date: Monday, July 16, 2018 3:27:37 PM

Hi Scott,

The answers to your questions are:

- 1) It was determined that this culvert would not compete well for SRFB funds based on its priority ranking of 1,380th for replacement in the basin on the list developed by the Chehalis Basin Lead Entity in 2007.

The stream realignment portion of this project was submitted to FEMA for a Hazard Mitigation Assistance Grant in 2017 though due to being rural in nature it did not achieve a high enough cost benefit ratio to qualify.

- 2) This project is shown on the WDFW's Washington State Fish Passage interactive mapper as a partial fish passage barrier. The data provided is from the Lewis County Barrier Assessment conducted in 2000 which determined it was 33 percent passable, in January of 2000, but was a barrier due to a slope of 2 percent. In 2007, this culvert was ranked 1,380th for replacement in the Chehalis Basin on a ranking list developed by a subcommittee of the Chehalis Lead Entity.
- 3) The 2011 Chehalis Basin Salmon Habitat Restoration and Preservation Strategy for WRIA 22 and 23 lists Tier 1 concerns in Stearns Creek and its tributaries to be sedimentation, water quality, and fish passage. Tier 2 concerns are riparian cover and water quantity.

Removing the barrier culvert and re-aligning 1,200 feet of fishbearing stream will allow for fish passage of all life stages of coho salmon and well as cutthroat trout and minimize bank erosion. Increasing the hydraulic opening is anticipated to reduce sedimentation, improve floodplain connectivity and improve water quality which is important for egg development and juveniles. The placement of large woody debris (LWD) will increase stable wood inputs in the system and provide refugia for juveniles. The proposed riparian buffer will provide increased canopy cover. The reconnection of the stream to wetlands will aid in water quantity issues as wetlands will release cool water in the summer and store floodwaters in the winter.

While the majority of these benefits will be fully realized once construction is complete, the riparian buffer will take approximately 20-years to provide full benefits

Thank you,

Betsy Dillin, PE

Senior Utilities and Surface Water Engineer

Lewis County Public Works

2025 NE Kresky Ave
Chehalis, WA 98532
Phone: (360) 740-1138

Betsy.Dillin@lewiscountywa.gov

From: Scott Boettcher [mailto:scottb@sbgh-partners.com]
Sent: Monday, July 16, 2018 9:35 AM
To: Betsy Dillin <Betsy.Dillin@lewiscountywa.gov>
Cc: Ann Weckback <Ann.Weckback@lewiscountywa.gov>; Rodney Lakey <Rodney.Lakey@lewiscountywa.gov>; Tim Fife <Tim.Fife@lewiscountywa.gov>; Malcolm Bowie <Malcolm.Bowie@lewiscountywa.gov>; Ron Averill <colronjanaverill@comcast.net>
Subject: Information Need ----- RE: Lewis County Public Works - 2019-21 Local Project Application

Betsy – A few clarifying information needs from our 2019-21 local projects reviewing team re your proposed project (<https://www.ezview.wa.gov/DesktopModules/Documents2/View.aspx?tabID=28124&alias=1492&mid=69498&ItemID=6164>):

1. What other funding sources have you considered (SRFB)?
2. Does this project show up on any culvert/barrier removal lists maintained by others (WSDOT, Barrier Removal Board, etc.)?
3. Please elaborate on the habitat/fish benefit to be gained from the project and on what timescale?

Thanks for your help. **Please get back to me by the end of the day July 20th at the latest.**

Thanks again.

Scott

Scott Boettcher, Staff
Chehalis River Basin Flood Authority
360/480-6600
scottb@sbgh-partners.com

From: Scott Boettcher
Sent: Tuesday, July 3, 2018 3:30 PM
To: Betsy Dillin <Betsy.Dillin@lewiscountywa.gov>
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Subject: RE: Lewis County Public Works - 2019-21 Local Project Application

Thank you Betsey. Your proposal has been rec'd on time.
Scott

Scott Boettcher, Staff
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From: Betsy Dillin <Betsy.Dillin@lewiscountywa.gov>
Sent: Tuesday, July 3, 2018 3:09 PM
To: Scott Boettcher <scottb@sbgh-partners.com>
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Subject: Lewis County Public Works - 2019-21 Local Project Application

Scott,
Please see the attached Project Recruitment Form and the associated attachments for a channel realignment and fish passage culvert proposed by Lewis County Public Works. Please contact me if you have any questions.

Thank you,

Betsy Dillin, PE
Senior Utilities and Surface Water Engineer

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