



Part I

2021-23 Local Projects Recruitment Process, Schedule **FORM**

Instructions:

1. Please submit project requests (via this recruitment form) to scottb@sbgh-partners.com no later than 5:00 p.m., 7/08/2020.
2. Please submit one recruitment form for each project proposed, even past projects previously or partially funded.
3. Note: Sections III and IV [marked by "(**)"] will be scored for review/evaluation. Sections I, II, and V will not be scored.
4. Note: Section V is necessary to help the Chehalis River Basin Flood Authority, Office of Chehalis Basin and Chehalis Basin Board understand the scope and scale of Local Projects into the future.
5. See https://www.ezview.wa.gov/site/alias_1492/37642/2021-23-local-projects-recruitment-process.aspx for more information.

Section I General	
1. Date:	October 7, 2020
2. Project Name and Project Phase/Stage:	Satsop Business Park Chehalis River Bank Stabilization Study
3. Project Location -- Please provide location of project and latitude, longitude coordinates (e.g., 46.712222, -122.977811).	46.963104, -123.535511
4. Project Manager/Contact -- Please identify who will be responsible for overseeing, implementing the project on a day-to-day basis (i.e., name, organization, contact information).	Alissa Shay Port of Grays Harbor (360) 482-1651 Ashay@portgrays.org
5. Project Sponsor and Key Partners -- Please identify project sponsor and key partners who will assist in project delivery, implementation.	Project Sponsor: Port of Grays Harbor

Section II Description, Timing and Cost	
6. Project Description -- Please describe the project, what is intended to be accomplished, flood hazard reduction benefits to be accrued to whom and when. Please identify what phase/stage of the project funding is sought (e.g., study phase/stage, planning phase/stage, design/engineering/permitting phase/stage, construction/implementation phase/stage). Please identify any local or state funding previously secured for this project.	<p>The Chehalis River is eroding a portion of bank along the "Haul Road" and is threatening the existing road and utilities under and over the road. In 2017 the Port completed a Water System Capital Improvement Plan and identified both short-term and long-term measures to reduce erosion. Short term measures included riparian planting to help stabilize the bank. These short term measures were completed in 2018. Unfortunately, this has not been successful so we must look at implementing long-term measures.</p> <p>This road, and the utilities under it, are an important piece of infrastructure for both Grays Harbor Energy and the Satsop Business Park. Grays Harbor Energy, a natural gas combustion plant, utilizes the Port's wells on the Chehalis for their water supply. Should the river erode into the road and water line, they would lose their water supply.</p> <p>The preferred option for this project would be to construct a rootwad and boulder revetment, man-made log jams, dolosse and dolos units combined with timber. This phase of the project would fund a</p>

	study to determine the cause of the problem and solutions.
7. Project Timeline -- Please describe the timeline and phases/stages for completing the overall project and the timeline for completing the phase/stage to be funded by 2021-23 funding.	2021: Complete study and determine future timeline If funding is received and once a contractor is selected the study can be complete in 6 months or less.
8. Project Cost and Funding -- What is the cost of the overall project (or anticipated cost)? What is the cost of the phase/stage to be funded by 2021-23 funding? What are the on-going maintenance and operation requirements and costs? Who will cover on-going maintenance and operation requirements and costs?	Total cost of the study will be \$60,000. This study will help determine future costs. Currently the Port is responsible for operation and maintenance of this property and it is assumed that responsibility would be ongoing.
9. Other Funding -- Please describe other funding sources and partners that have already contributed (or could contribute in the future) to this project and for what phase/stage.	There are no other funding sources at this time.

Section III (**) Completion, Doability, Alternatives, and Impacts	
10. Project Completion -- Does the funding requested complete, substantially complete, or continue a project already started? If so, please explain.	This funding will complete a study.
11. Project Doable -- Can this project or the phase/stage for which funding is sought be completed by June 30, 2023? Please describe any circumstances with potential to impact the project's doability or timeline (e.g., permitting or regulatory unknowns, lack of availability of other funding resources, etc.). Please describe any advance coordination or vetting with agencies, tribes, other entities, etc. and the outcomes of that effort.	Yes. The study can be completed in one year or less. We are not aware of any circumstances that would impact the ability to get this done in under one year.
12. Project Alternatives -- Please describe alternatives to the project that were considered (including doing nothing), and the rationale for selecting the project described, proposed here.	Do nothing: This option would likely result in needing to implement the emergency alternative due to increased erosion in the winter months. Short-term: This alternative has already been completed. We did a riparian planting in 2018. Subsequently the river washed away more of the bank. Emergency alternative: Should the bank erode and

	<p>threaten the water line we will need to take emergency measures including a sheet pile or rock wall.</p> <p>Preferred alternative: This project as proposed will help prevent us from taking emergency measures in the future. The rationale for this proposed project is that we can construct a habitat and river friendly structure to protect the bank.</p>
13. Project Impacts Avoided, Mitigated -- Please identify how project impacts will be avoided and mitigated, and if that mitigation will be accomplished by June 30, 2023?	<p>The purpose of this project is to avoid the impact of constructing an emergency structure to protect the road and water line. We would like to mitigate this impact by constructing an in-water structure that consists of natural design. It is unknown at this time if any mitigation would be required as a result of construction of this project.</p>

Section IV (**) Benefits Stated and Quantified	
14. Emergency Response Benefits -- Please describe (and quantify) how this project enhances emergency response in a flood emergency (e.g., does it keep critical access roads and transportation facilities open/functional, does it enable easy movement of cattle, equipment and farm chemicals out of harm's way, is it part of a larger hazard mitigation plan, etc.).	<p>There are no identified immediate emergency response benefits associated with this project.</p>
15. Essential Infrastructure Protection Benefits -- Please describe (and quantify) how this project protects essential infrastructure and the risks or consequences of not acting this funding cycle.	<p>The water line under this road serves Grays Harbor Energy, a natural gas combustion power plant that is the largest private property tax payer in Grays Harbor County. They have invested heavily in their facility and count on our water source being available to them for their plant. The Haul Road is also used by Grays Harbor Energy staff for access to and maintenance of the wells on the Chehalis. The main power and control lines from the business park to the Ranney Wells on the Chehalis are under this road. If further erosion impacted the water line Grays Harbor Energy would be forced to shut down for as long as it took to repair the line. As an important provider of power on the West Coast this would have serious consequences.</p> <p>There is also an overhead GHPUD fiber line from Aberdeen to Elma. Should this bank be eroded it would result in the need to repair this fiber link</p>

	which could be made difficult depending upon the severity of damage.
16. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety and welfare.	Generally, this project will protect a publicly owned asset in the form of a road and water line that is utilized for an existing business, and would also be used for future economic development and job creation.
17. Residential, Commercial and/or Agricultural Protection Benefits -- Please describe (and quantify) how this project protects residential communities, commercial and/or agricultural interests and benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures and people at risk, historic frequency of flood damage, magnitude of benefit for the cost, etc.	While the water line is primarily used for Grays Harbor Energy at this time, it is also slated to be the back-up potable water supply for the Satsop Business Park should something happen with its well on the Satsop River. Also, any future large industrial water users locating at the Satsop Business Park would utilize this water line for their water supply. The infrastructure at the business park has the potential to create hundreds of jobs. The water supply is essential for continuing to provide job creation and economic development in Grays Harbor.
18. Habitat Benefits – Please describe (and quantify) how this project benefits or improves existing or future habitat conditions.	With the placement of structures such as root wads, log jams and other engineered structures, our hope is to protect and enhance habitat along the Chehalis River. Other benefits would be quantified during the study and permitting phases.
19. Costs, Benefits, Impacts – Please describe (quantify) anticipated: (a) <u>Costs</u> of this phase/stage of the project if funded, and if not funded? This would include any costs (beyond direct cost of the project) that might be incurred or avoided as a result of the project being funded (or not funded) and when. (b) <u>Benefits</u> of this phase/stage of the project if funded and when those benefits would be realized? (c) <u>Impacts</u> of this phase/stage of the project if funded, if not funded, and when those impacts would occur.	<p>a. If funded the only identified cost will be staff time to answer questions and complete the study. If not funded, there will likely be future costs within the next 3 years to try to stabilize the bank that would fall under an emergency. The sooner we can begin the process of determining the solution we can avoid emergency actions.</p> <p>b. This phase of the project would allow us to identify the problem and determine solutions, which will assist us in developing a project for construction at a later date. Benefits would be realized as soon as the study is completed, or in 2021/2022.</p> <p>c. If not funded the likely impact would be placement of sheet pile along the river in the event of flooding and erosion. Or, in an emergency situation with significant erosion it would result in the rupture of the water line with significant and costly repairs required.</p>
20. Other Project Benefits -- Please describe (and quantify) any other project benefits not already discussed. This could include how this project	This project compliments the Lower Satsop project which has been ongoing for many years. Part of that project protects the Port's potable water source. As

compliments, leverages, or implements another project or planning process already underway.	part of the Lower Satsop project the Port invested in connecting the Chehalis River wells to our chlorination facility in order to have a redundant water supply. This will further protect that redundancy.
21. Anything Else -- Please offer any additional information (e.g., links, photos, maps, video, drawings, drone, etc.) that would help to better understand the scope, timing, and benefits of this project.	See attached photos of project site.

Section V Local Projects Beyond 2021-23	
22. Project Name and Project Phases/Stage:	
23. Project Location -- Please provide location of project and latitude, longitude coordinates (e.g., 46.712222, -122.977811).	
24. Project Sponsor and Key Partners -- Please identify who is sponsoring the project and key partners who will assist with project delivery, implementation.	
25. Project Description -- Please describe the project, what is intended to be accomplished, the flood hazard reduction benefits to be accrued and to who and when. Please identify what phase/stage of the project funding is sought (e.g., study, planning, design/engineering/permitting, construction/implementation).	
26. Costs -- Please describe (quantify) anticipated project costs.	
27. Benefits -- Please describe (quantify) anticipated project benefits.	
28. Impacts -- Please describe (quantify) anticipated project impacts.	



