

Scott Boettcher

From: Rocky Howard <rhoward@montesano.us>
Sent: Wednesday, October 12, 2016 2:42 PM
To: Scott Boettcher
Subject: 2017-2019 Chehalis Basin Project Application
Attachments: FINAL Local Flood Relief Project Recruitment Form -- 07222016 (4).docx

Scott,

As promised I am sending you the completed Montesano application for 2017-2019 Chehalis Basin Flood Authority Funding for the projects committee consideration.

Thank you for all your help,

Rocky Howard
City of Montesano



2017-19 Local Projects Recruitment Form

Chehalis Basin Flood Relief

A. What are local flood relief projects? -- In general, local projects are those projects that provide predominantly localized and quantifiable benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through a public entity like a City, County, Conservation District, Agency, etc. Furthermore, local projects are envisioned as helping with flooding, not adverse to fish or habitat and (where possible) providers of multiple, quantifiable benefits.

B. What kinds of local flood relief projects are likely to be logical funding candidates for 2017-19?

- Projects that complete an effort previously funded/started.
- Projects that advance improved emergency response.
- Projects that advance improved public infrastructure protection.
- Projects that advance improvements in local or community flood hazard reduction, including local flood proofing projects (e.g., elevations, buy-outs, foundation venting/opening, etc.).
- Projects that advance Conservation District initiated flood hazard reduction (e.g., farm pads, evacuation routes, bank erosion/bank stabilization, etc.)
- Projects that demonstrate innovation (e.g., thinking beyond traditional bank stabilization techniques in favor of natural system designs), partnerships, cost-sharing/leveraging resources, multiple benefits, and proactive vetting with agencies and tribes.
- Projects typically not in excess of \$3M for the stage/phase being funded.

C. Are there projects that would not be good candidates?

- Projects that seek to utilize State Capitol Budget dollars for uses not typically allowed (e.g., maintenance and repair work, cost-sharing under select circumstances, etc.).
- Projects likely to increase potential for flood damage upstream or downstream.
- Projects with unmitigable adverse environmental impacts or significant uncertainty regarding potential environmental impacts.
- Projects not sponsored by a public entity.

Instructions:

- Please submit local flood relief project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m., Friday, August 12, 2016.
- Please submit one request form for each project proposed, even those past projects previously or partially funded.
- Note: Parts III and IV below [marked by "(**)"] will be scored as part of the Flood Authority Projects Committee's review and evaluation. Part I and II will not be scored.



Part I General	
1. Date:	October 9, 2016
2. Project Name:	Waste Water Treatment Plant - Wynoochee River Bank Protection
3. Project Location -- Please identify the location of the project as precisely as possible, including providing decimal degree latitude/longitude coordinates.	The City of Montesano waste water treatment plant (WWTP) is located along the Wynoochee River near it's confluence with the Chehalis River. The Wastewater Treatment Plant (WWTP) is in the south portion of Montesano, west of Highway 107 and east of the Wynoochee River. The coordinates for the project is 46°58'04" N, 123°36'27" W
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	The City of Montesano public works director Rocky Howard rhoward@montesano.us , 360-590-1833
5. Lead Organization -- Please identify the lead organization, agency, entity, etc. responsible for this project. Please identify key partners responsible for assisting in the delivery or implementation of the project.	The City of Montesano

Part II Description, Timing and Cost	
6. Project Description -- Please describe the project, what is intended to be accomplished, the benefits to be accrued, and to whom.	The project will be to protect the waste water treatment facility on the Wynoochee river from erosion the river is causing on the bank which the treatment plant sits on. By installing a hardened structure (such as an excavated riprap revetment) in the overbank to the northwest of the WWTP. This wall could be tied into the western corner of the WWTP, and extend in a curved path northwest to high ground along Sylvia Creek. The river flow will be deflected from further erosion. In addition, pile structures will be placed around the bend of the river that would accumulate wood and form a "natural" hardening of the bank and direct flow towards the river's center The project will benefit everyone downstream of the plant. If this project is funded the plant will be saved from spilling raw sewage into the river. If an emergency repair becomes necessary, it could cost 3 times the amount of a normal repair and it



	would not provide a permanent fix.
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	From the beginning of design to the end of construction it is approximately 450 days.
8. Project Cost and Funding -- What is the cost of this project? What are the on-going maintenance and operation requirements and costs? Is it clear who will be responsible for covering on-going maintenance and operation costs?	The estimated cost of this project is \$5,000,000 including design engineering and construction management. There are no ongoing maintenance or operation costs with this project.
9. Other Funding -- Please explain the extent to which other funding sources or funding partners are available.	Not Applicable

Part III (**) Completion and Doability by June 30, 2019	
10. Project Completion -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	In 2007, the City funded \$500,000 as an emergency effort to install a sheet pile structure adjacent to the lagoon to prevent continued erosion of the embankment and potential sludge discharge into the river. This phase is to further protect from continuing meander and erosion not present at that time.
11. Project Doable -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2019? 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 cost-share funding resources, etc.). Please describe any advance coordination or vetting with agencies, tribes, other entities, etc. and the outcomes of that effort.	Yes it can.
12. Project Impacts -- Please identify how any project impacts will be mitigated, funded and if that mitigation will be accomplished by June 30, 2019?	Not Applicable



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Part IV (**) Benefits Stated and Quantified	
<p>13. 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 and functional, does it enable easy movement of cattle, equipment and farm chemicals out of harm's way, etc.).</p>	<p>Not Applicable</p>
<p>14. 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>	<p>Not Applicable</p>
<p>15. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety and welfare.</p>	<p>This project will protect the waste water treatment plant from collapsing into the Wynoochee river, by preventing the erosion from happening in the area around the treatment plant. If this project does not get funded the Wynoochee river will erode the banks and cause the treatment plant to fail and spill raw sewage and sludge into the river and be carried downstream.</p>
<p>16. Residential, Commercial and/or Agricultural Protection Benefits -- Please describe (and quantify) how this project protects residential, commercial and/or agricultural interests and communities and the benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures at risk, number of people at risk, historic frequency of flood damage, magnitude of benefit to be gained for the cost, etc.).</p>	<p>The project will protect the waste water treatment plant from spilling raw sewage and sludge into the Wynoochee river. If the project does not get built many people and animals will be exposed to raw sewage, leading to the potential of poisoning.</p>
<p>17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.</p>	<p>If the waste water treatment plant fails the raw sewage will spill in to the Wynoochee river and flow into the Chehalis river which empties into Greys Harbor. The impact of a disaster like that would be immense. The Wynoochee has been eroding the banks increasingly more each year. The river has already eroded the bank past the treatment plant is some area, and the only thing holding it up is the existing</p>



	<p>wall. The treatment plant won't last much longer if nothing is done soon. All people and ways of life below that treatment plant will be greatly affected if the plant is to fail. This is a fish habitat and if they raw sewage and sludge were to enter it, it would greatly affect the eco system of the river.</p>
<p>18. Anything Else -- Please feel free to offer any additional information (e.g., photos, maps, video, drawings, etc.) that would help to better understand the scope, timing and benefits of this project.</p>	<p>See map below</p>



WWTP Vicinity with possible protection alternatives. The sheet pile wall is shown in red, while the piles are shown in the lighter color.



Appendix A

Process/Schedule (current as of 7-22-2017)	
July 21, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Post and distribute local projects recruitment request on 7/22/2016 following Flood Authority review/discussion at their 7/21/2016 meeting. • Allow three weeks for project proposals/submittals (i.e., due no later than 5:00 p.m., Friday, August 12, 2016).
August 18, 2016 (FA Conf. Call Mtg.)	<ul style="list-style-type: none"> • Receive proposals/submittals. • Update Flood Authority at their 8/18/2016 meeting on number received, type of projects received, distribution, etc.
September 15, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Update Flood Authority at their 9/15/2016 meeting on status of Projects Committee's effort to review, rank, discuss with Tribes, discuss with agencies, preliminarily sort and rank, etc.
October 20, 2016 (FA In-Person Mtg.)	<ul style="list-style-type: none"> • Review/discuss DRAFT ranked and prioritized list with Flood Authority at their 10/20/2016 meeting.
November 17, 2016 (FA Conf. Call Mtg.)	<ul style="list-style-type: none"> • Seek Flood Authority approval of FINAL ranked and prioritized list at their 11/17/2016 Flood Authority meeting.