

## Scott Boettcher

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**From:** Mike Olden <molden@montesano.us>  
**Sent:** Friday, January 26, 2018 7:30 AM  
**To:** Scott Boettcher  
**Subject:** RE: DRAFT Funding Agreement for Your Review ----- RE: Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application  
**Attachments:** REVISED Local Flood Relief Project Recruitment Form --180126.docx; DRAFT Agreement -- Montesano WWTP Protection Project 1-25-2018mo.docx

Scott

Attached are proposed edits to the draft funding agreement and attachment A.

Mike Olden, P.E.  
Director of Public Works/Community Development  
City of Montesano  
(360) 589-0333

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**From:** Scott Boettcher [mailto:scottb@sbgh-partners.com]  
**Sent:** Thursday, January 25, 2018 8:29 AM  
**To:** Mike Olden <molden@montesano.us>  
**Subject:** RE: DRAFT Funding Agreement for Your Review ----- RE: Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application

Responses below

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**From:** Mike Olden [mailto:molden@montesano.us]  
**Sent:** Thursday, January 25, 2018 8:04 AM  
**To:** Scott Boettcher <scottb@sbgh-partners.com>  
**Subject:** RE: DRAFT Funding Agreement for Your Review ----- RE: Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application

Scott

Thanks for getting this out so soon. My initial questions are:

In the compensation table, should we break up the cost to allocate funding to construction contracts. Roughly \$1M for goods and services and \$4M for construction contracts? **YES**

I believe I will need to change the signature line to the Mayor, unless the signature line has to be the designated representative? **Mayor's signature is fine if different from designee**

Can we add anticipated inflation to the grant amount? **NO**

Is the \$12,284 that we left on the table last year still on the table or is it gone now? **Let me see if we can apply it.**

Our turnaround time on this will likely be one Council meeting away which is the 13<sup>th</sup> of February. **OK**

Now that we are working with PMX on the FbD grant application, it appears that my initial guess at Relic channel work will be increased to \$2 to \$3 Million (from \$1M). I was only looking at moving dirt and did not consider the possibility of making it a habitat creation/restoration project. My question is in regard to whether we should update the attachment to identify a \$10 Million project in lieu of the \$8 Million total? It does not affect the flood authority funding either way. **YES, please update to reflect \$10M. Please also update date field to show revised date of January 25, 2018.**

Thanks

Mike Olden, P.E.  
Director of Public Works/Community Development  
City of Montesano  
(360) 589-0333

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**From:** Scott Boettcher [<mailto:scottb@sbgh-partners.com>]  
**Sent:** Thursday, January 25, 2018 5:56 AM  
**To:** Mike Olden <[molden@montesano.us](mailto:molden@montesano.us)>  
**Subject:** DRAFT Funding Agreement for Your Review ----- RE: Please Update By 1-12-2018 (COB) -----  
-----FW: 2017-2019 Chehalis Basin Project Application  
**Importance:** High

Mike – Attached please find DRAFT funding agreement. Please review and send me any revisions necessary to finalize. Thanks! Note: Please pay particular attention to yellow highlighted text.

Scott  
360/480-6600  
[scottb@sbgh-partners.com](mailto:scottb@sbgh-partners.com)

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**From:** Mike Olden [<mailto:molden@montesano.us>]  
**Sent:** Friday, January 12, 2018 12:18 PM  
**To:** Scott Boettcher <[scottb@sbgh-partners.com](mailto:scottb@sbgh-partners.com)>  
**Subject:** RE: Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application

Scott,

Attached is the revised project information. If you have any questions, please call or email.

Mike Olden, P.E.  
Director of Public Works/Community Development  
City of Montesano  
(360) 589-0333

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**From:** Scott Boettcher [<mailto:scottb@sbgh-partners.com>]  
**Sent:** Thursday, January 11, 2018 11:13 AM  
**To:** 'Mike Olden' <[molden@montesano.us](mailto:molden@montesano.us)>  
**Subject:** RE: Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application

Hi Mike. Left you a voice message. Is there a time we can talk regarding message below?

Scott  
360/480-6600

**From:** Scott Boettcher  
**Sent:** Tuesday, January 9, 2018 11:50 AM  
**To:** 'Mike Olden' <[molden@montesano.us](mailto:molden@montesano.us)>  
**Cc:** Dan Wood <[dwood@montesano.us](mailto:dwood@montesano.us)>  
**Subject:** Please Update By 1-12-2018 (COB) -----FW: 2017-2019 Chehalis Basin Project Application

Mike – As you are know, Rocky's attached local flood hazard reduction project is identified as a Priority #1 project for 2017-19 local Capital Budget funding (see [https://www.ezview.wa.gov/Portals/\\_1492/images/2017-19%20Proposed%20Projects%2011-22-2016.pdf](https://www.ezview.wa.gov/Portals/_1492/images/2017-19%20Proposed%20Projects%2011-22-2016.pdf)). The State Legislature has convened for the 2018 legislative session and we are optimistic of a State Capital Budget early in the session. Given it has been well over a year since you prepared the attached local project recruitment form, and given the 2017-19 State Capital Budget is well behind schedule because it was not passed during the 2017 legislative session, I'd like to ask you to please review and update the attached local project recruitment form.

Please pay particular attention to:

- Project Description
- Project Timeline
- Project Cost and Funding
- Project Doable (given time lost due to delayed Capital Budget)

Also, please let me know:

- If you anticipate completing your entire scope of work and spending the entirety of your budget by June 30, 2019.
- If you do not anticipate completing your scope of work by June 30, 2019,
  - Describe which task(s) will not be completed, along with the schedule implications.
  - Provide an estimate of how much budget would remain after June 2019.
  - Describe the tasks that would continue into the 2019-2021 biennium and when you anticipate completing the 2017-2019 scope of work.

Please send your updated local project recruitment form by close-of-business Friday, January 12, 2018. Feel free to call or email with questions. Thanks!

Scott

Scott Boettcher, Staff  
Chehalis River Basin Flood Authority  
360/380-6600  
[scottb@sbgh-partners.com](mailto:scottb@sbgh-partners.com)

**From:** Rocky Howard [<mailto:rhoward@montesano.us>]  
**Sent:** Wednesday, October 12, 2016 2:42 PM  
**To:** Scott Boettcher <[scottb@sbgh-partners.com](mailto:scottb@sbgh-partners.com)>  
**Subject:** 2017-2019 Chehalis Basin Project Application

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](mailto: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. <b>Date:</b>	January 26, 2018
2. <b>Project Name:</b>	Waste Water Treatment Plant - Wynoochee River Bank Protection
3. <b>Project Location</b> -- 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. <b>Project Contact</b> -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Mike Olden, P.E. Public Works/Community Development Director <a href="mailto:molden@montesano.us">molden@montesano.us</a> 360-249-3939
5. <b>Lead Organization</b> -- 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. <b>Project Description</b> -- Please describe the project, what is intended to be accomplished, the benefits to be accrued, and to whom.	The selected alternative is protection and modification of the existing WWTP. The scope of the proposed project includes river bank protection, moving sludge handling and effluent piping away from river encroachment and opening of a relic channel to the west of the site. The river bank protection is needed to prevent river migration to the north of the site. Bank protection will be completed using "log jacks". The log jacks are an innovative method of implementing stream bank protection that mimics natural processes. Moving the sludge handling and effluent piping will reduce the potential environmental threat related to potential failure of the existing bank protection. Relic channel work is expected to provide local hydraulic relief during more significant flood events. The alternative is chosen as the most cost feasible way to provide the necessary environmental protection and preservation of

	critical infrastructure assets from flood impacts, but is also predicated on the understanding that the river bank protection is also needed to make sure that the river does not impact a significant state transportation corridor and WWTP effluent outfall piping.
7. <b>Project Timeline</b> -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	<p>The project will be completed in four phases:</p> <p>Permitting and Design Development February 18' to July 18'</p> <p>North Bank Protection (Log Jacks) April 18' to October 18'</p> <p>Biosolids and Effluent Relocation July 18' to September 19'</p> <p>Relic Channel Opening and Habitat Restoration July 19' to September 20'</p> <p>The above timelines for each phase include design through construction.</p>
8. <b>Project Cost and Funding</b> -- 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?	<p>The current estimated cost of this project is \$10,000,000 including permitting, design and construction management. WWTP Protection is currently estimated to be \$7,000,000 and relic channel work is currently estimated to be \$3,000,000. Cost estimates will continue to be refined and updated as the City goes through the permitting and design development phase.</p> <p>The on-going maintenance and operation costs as well as the potential increase in operation costs will be accounted for in City operational budgets and cost impacts will be addressed through sewer rate adjustments.</p>
9. <b>Other Funding</b> -- Please explain the extent to which other funding sources or funding partners are available.	<p>The City will be applying for Flood Plain by Design funding for the proposed relic channel work, additional protection against sheet pile scour and associated habitat restoration. The scope of work and funding level for that part of the work has been increased recently to account for the current cost uncertainty and potential funding requirements.</p> <p>The City will also be working with representatives at the state and local level to fund the current estimated \$2,000,000 gap for WWTP protection. The City is trying to minimize the impacts on sewer rates and capital reserve levels.</p>

Part III (**) Completion and Doability by June 30, 2019	
10. <b>Project Completion</b> -- 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. <b>Project Doable</b> -- 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.	The majority of the project can likely be completed within that time frame. The delay in capital budget appropriation will likely impact the schedule in a way that will result in some of the final WWTP relocation to be completed by September of 2019. Relic channel work is anticipated to be funded by others and would be completed in a later phase.
12. <b>Project Impacts</b> -- Please identify how any project impacts will be mitigated, funded and if that mitigation will be accomplished by June 30, 2019?	Not Applicable

Part IV (**) Benefits Stated and Quantified	
13. <b>Emergency Response Benefits</b> -- 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.).	This project has a long term benefit through mitigating potential erosion that could eventually impact Highway 107.
14. <b>Essential Infrastructure Protection Benefits</b> -- Please describe (and quantify) how this project	This project protects essential infrastructure and prevents adverse environmental conditions that could result by not protecting the infrastructure.



protects essential infrastructure and the risks or consequences of not acting this funding cycle.	
15. <b>Public Health, Safety and Welfare Benefits --</b> Please describe (and quantify) how this project protects public health, safety and welfare.	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.
16. <b>Residential, Commercial and/or Agricultural Protection Benefits --</b> 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.).	The project will protect the waste water treatment plant from spilling raw sewage and sludge into the Wynoochee river. If not funded, many people and wildlife will be exposed to raw sewage.
17. <b>Other Project Impacts --</b> Please explain how this project impacts or is potentially impacted by another project.	This project will also protect a significant transportation corridor that supports commerce, emergency services and tourism in the area.
18. <b>Anything Else --</b> 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.	See photo below. The Photo identifies the historic position of the Wynoochee River in relation to the WWTP.

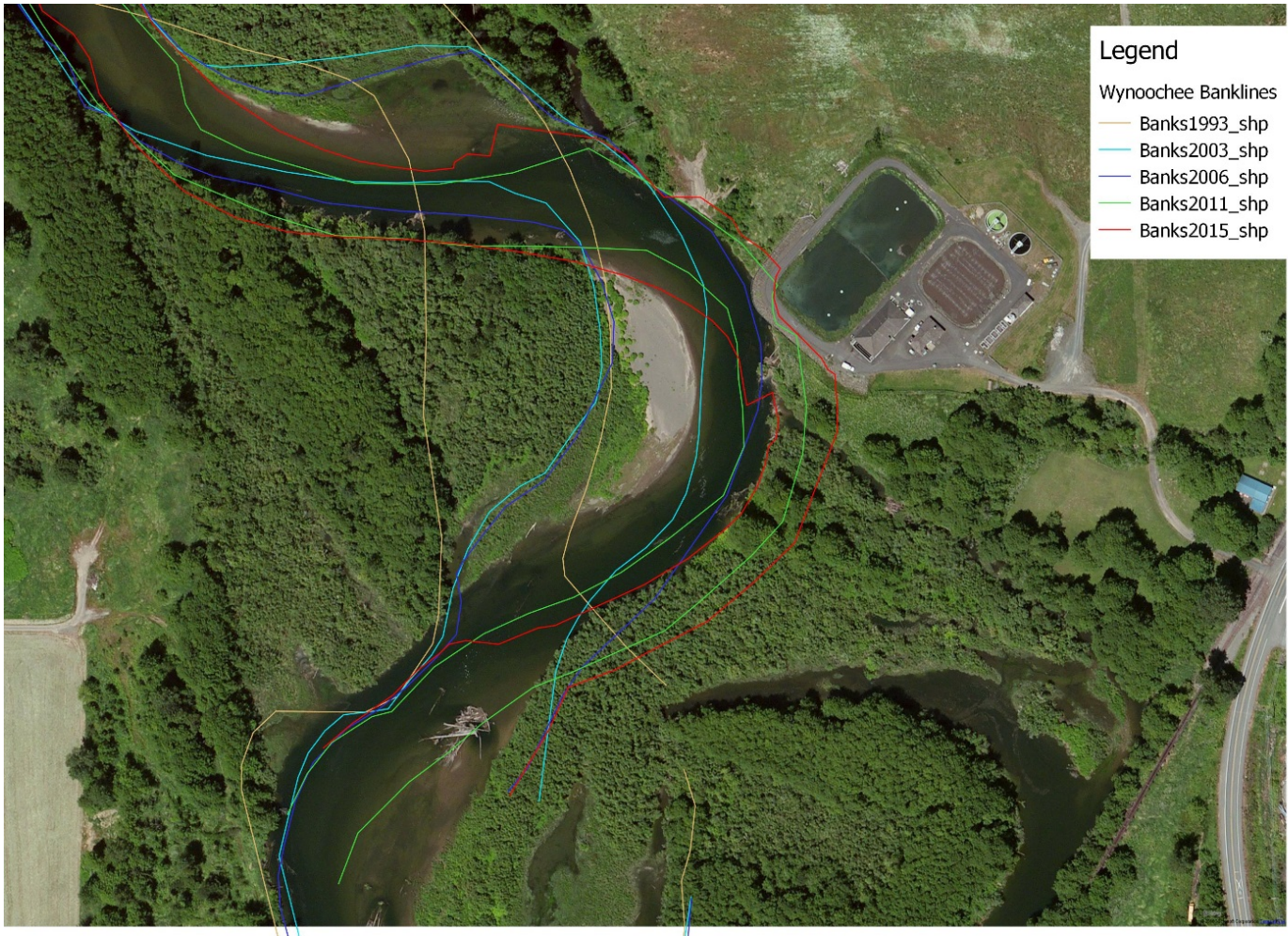


Figure 1. Historic bank locations.