



## 2015-17 Small Projects Recruitment Form

### "Additional Local Flood relief Projects" (for 2015-17 biennium)

#### Chehalis River Basin Flood Relief

**What are small projects?** -- In general, small projects are those projects that provide predominantly localized 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 the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

**What are additional local flood relief projects?** – Additional local flood relief projects are small projects seeking to utilize surplus 2015-17 small project monies as a result of other small projects coming in under budget, being re-scoped or otherwise resulting in surplus resources. Additional local flood relief projects, like small projects are to be completed within the funding cycle, supported by the jurisdiction within which the project is proposed, and vetted and advanced through the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

#### Instructions:

- Please submit additional 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. April 1, 2016.
- Please submit individual project request forms for each project in your jurisdiction, even those projects previously or partially funded in the past.
- Note: Parts III and IV below [marked by "(\*\*)"] will be scored as part of the Chehalis Basin Projects Committee's review and evaluation. Part I and II will not be scored.

Part I General	
1. <b>Date:</b>	March 30, 2016
2. <b>Project Name:</b>	Dillenbaugh Creek Culvert Assessment and Basin Flood Analysis
3. <b>Project Location</b> -- Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	Dillenbaugh Creek and associated tributaries drainage basin in City of Chehalis. Project starts at railroad track culvert (46°37'47.25"N-122°55'49.17W) downstream to confluence with Chehalis River (46°39'37.38"N-122°59'02.54W) and associated contributing basins,



	including all culverts from railroad track to Chehalis River.
4. <b>Project Contact</b> -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Dennis Osborn - <a href="mailto:DOsborn@ci.chehalis.wa.us">DOsborn@ci.chehalis.wa.us</a> Community Development Director 1321 S Market Blvd. Chehalis, WA 98532 Phone: (360) 345-2227
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.	City of Chehalis
<b>Part II</b> <b>Description, Timing and Cost</b>	
6. <b>Project Description</b> -- Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.	The project is to complete an inventory and assessment of culverts along Dillenbaugh Creek and associated tributaries along the lowland reach bordering the City of Chehalis. Assessment of the culverts will also include an evaluation for fish passage requirements prescribed by WDFW sizing criteria. This study will also allow the city to identify and plan for upsizing culverts along the Dillenbaugh Creek to meet current fish passage standards. The existing size, type, and condition will be evaluated for all culverts. The culvert inventory and assessment will then be used to complete an analysis to determine flow capacity/deficiencies in capacity of culverts. This will aid in determining which culverts act to limit conveyance, resulting in localized flooding during storm events. The results of the inventory and modelling will be described and documented in a comprehensive report.
7. <b>Project Timeline</b> -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	Assessment and inventory of culverts will be completed during the summer dry season, when interior of culverts are accessible. Basin modeling and report will be prepared in fall, with an anticipated completion by end of 2016.
8. <b>Project Cost and Funding</b> -- What is the cost of this project? What are the on-going maintenance and operation requirements? Is it clear who will be responsible for on-going maintenance and operations costs?	The project cost is \$110,000.00. The project is intended to identify capital improvements that will alleviate local funding; however, this activity in itself will not have on-going maintenance and operation requirements or costs.
9. <b>Other Funding</b> -- Please explain the extent to which	The City does not anticipate that additional funding will



other funding sources or funding partners are available.	be available for this project.
<b>Part III (**)</b> <b>Completion and Doability by June 30, 2017</b>	
10. <b>Project Completion</b> -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	This project will facilitate analyses of the impacts of the Dillanbaugh Creek to surrounding property, I 5 and downstream impacts during a flood event.
11. <b>Project Doable</b> -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2017? Does the project face problem areas that could impact its doability and timeline, e.g., permitting or regulatory unknowns.	This project can be completed by June 30, 2017. There are no known problems or obstacles that would impact the proposed timeline.
12. <b>Project Impacts</b> -- Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	This project will not result in the need for impact mitigation.
<b>Part IV (**)</b> <b>Benefits Stated and Quantified</b>	
13. <b>Emergency Response</b> -- Please explain how this project enhances our ability to respond in a flood emergency (e.g., does it keep critical access roads, transportation facilities, etc. open and functional.)	This project will identify culverts that limit hydraulic capacity of the drainage system associated with Dillanbaugh Creek and associated tributaries. The project will enhance the ability to identify flood emergency impacts to roads and properties by identifying those culverts that have substandard conveyance capacity, due to clogging, being undersized, or potential failure, which will allow for targeted maintenance and repair that will alleviate flooding on critical access and transportation corridors.
14. <b>Essential Infrastructure Protection</b> -- Please explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).	This project will provide the City with the critical information needed to understand the current condition of culverts within the study area, including failing and blocked or undersized culverts that are at risk of complete failure if not identified and replaced or upsized.
15. <b>Public Health, Safety and Welfare</b> -- Please explain how this project protects public health, safety and welfare.	Localized flooding that occurs as a result of failing or undersized culverts have the potential to create safety and public health issues due to damaged infrastructure and impediments to the transportation network.
16. <b>Residential, Commercial and/or Agricultural Protection</b> -- Please explain how this project protects residential, commercial and/or agricultural	Dillanbaugh Creek has been identified as a system that has the potential to impact I-5 and the City of Chehalis during flood events. Completing an inventory and



<p>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>assessment of culverts along the lower reach of the stream and modeling hydraulic capacity of the stream and drainage system will identify how culverts affect flooding in this area. Potentially undersized and failing culverts are at risk of complete failure during flood events that add additional risk to adjacent residential and commercial interests and public infrastructure (e.g. failing culverts often result in damage or loss of entire road sections, impacting the traveling public and utility infrastructure.</p>
<p>17. <b>Other Project Impacts</b> -- Please explain how this project impacts or is potentially impacted by another project.</p>	<p>This project will assist future analysis of the Dillenabugh Creek realignment discussion within the Flood Authority.</p>
<p>18. <b>Anything Else</b> -- Please feel free to offer any additional information (e.g., photos, maps, drawings, etc.) that would be helpful to better understand the scope, timeline and benefits of this project.</p>	<p>Please see the attached vicinity map. Assessment of the culverts will also include an evaluation for fish passage requirements prescribed by WDFW sizing criteria. This will allow the city to identify and plan for upsizing culverts along the Dillenabugh Creek to meet current fish passage standards.</p>

