



## 2015-17 Small Projects Recruitment Form

### 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.

#### Instructions:

- a. Please submit project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m. September 10, 2014.
- b. Please submit individual project request forms for each project in your jurisdiction, even those projects previously or partially funded in the past.
- c. 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. Date:	09/09/2014
2. Project Name:	Independence Road Flood Reduction Feasibility Study
3. Project Location -- Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	On Independence Road west of Albany St SW, roughly longitude -123.10572, latitude 46.86615. Flooding extends for several hundred feet along Independence Road.
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email,	Application contact: Jeanne Kinney, Environmental Coordinator kinneyj@co.thurston.wa.us, 360-867-2344 Authorizing and managing the project: Scott Lindblom, acting County Engineer, lindblom@co.thurston.wa.us, 360-867-2329



telephone number, etc.).	
5. Lead Organization -- Please identify the lead organization, agency, entity, etc. responsible for this project.	Thurston County Public Works 9605 Tilley Rd SW Olympia, WA 98512-9140 360-867-2300
Part II Description, Timing and Cost	
6. Project Description -- Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.	The grant request is for a feasibility study to determine at least three solutions for chronic flooding on Independence Road, including costs and a recommended alternative. The study will include hydrologic modeling of the Chehalis River and Scatter Creek in the vicinity of the project location and field gathering of data to populate the model.
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	December, 2015, unless data gathering continues during the winter of 2015/2016, in which case the study may extend until June, 2017.
8. Project Cost and Funding -- 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?	Amount requested: \$100,000. Costs will cover consultant time and expertise to develop a model of the river system for the Chehalis River and Scatter Creek in the vicinity of the project location. The consultant will develop at least three alternatives with costs and a recommended alternative that will pass flood waters to the 100 year flood elevation.  Independence Road is owned and maintained by the county. Ongoing maintenance and operations will continue to be the county's responsibility.
9. Other Funding -- Please explain the extent to which other funding sources or funding	No other funding has been secured.



partners are available.	
<b>Part III (**)</b> <b>Completion and Doability by June 30, 2017</b>	
10. Project Completion -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	No
11. Project Doable -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2017?	Yes
12. Project Impacts -- Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	None- feasibility study only
<b>Part IV (**)</b> <b>Benefits Stated and Quantified</b>	
13. Emergency Response -- 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.)	Currently Independence Road is closed almost every year and sometimes several times a year due to the Chehalis River flooding the roadway to depths of two to three feet. Since 2006, Independence Road has been closed seven times, usually for several days at a time. An earlier successful grant application on another section of Independence Road documented that residents had to detour over 20 miles to Lewis or Grays Harbor Counties to obtain food, fresh water or medical supplies, or to get to school or work, with increased travel times of up to 45 minutes. The previous grant application reviewed USGS flood data for the Chehalis at Grand Mound between 1970 and 2002 and determined that the average annual road closure for that time period was three days. (The Grand Mound USGS gage is the closest one to the project site). Some local residents in low lying areas have no other access and are stranded until flood waters recede. Emergency evacuation by helicopter has occurred during extreme flood events in this area in the past.
14. Essential Infrastructure Protection -- Please	Independence Road is a rural minor collector and serves as the main transportation link connecting southwest Thurston County with Lewis and Grays Harbor Counties.



<p>explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).</p>	<p>This project will directly enhance flood emergency response by keeping a key transportation corridor open and functional. Currently, water over the roadway creates frequent hazardous driving conditions. Flooding combined with freezing conditions creates extreme hazards for the public as well as emergency vehicles. The feasibility study will determine the most effective solution to alleviate flooding.</p>
<p>15. Public Health, Safety and Welfare -- Please explain how this project protects public health, safety and welfare.</p>	<p>Several hundred homes are affected on side roads accessing Independence Roads as well as the main road. When this sections of road floods, there are limited alternative routes, and for some residents, there are no alternative routes, so residents cannot get out and emergency services cannot get in. School busses cannot operate and residents cannot get to work, causing significant economic impacts.</p>
<p>16. Residential, Commercial and/or Agricultural Protection -- Please explain 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 area is rural with major agricultural economic impacts to adjacent farm lands along with transportation impacts from frequent road closures due to flooding. The study will investigate alternatives that will pass flood waters to the 100 year flood elevation, allowing students to attend school, commuters to get to work and emergency services to respond without the need for helicopter evacuation. An average of 1250 vehicles per day use this section of Independence Road, and several hundred residences are affected by road closures due to flooding. As noted above, the road is closed an average of three days per year for flooding.</p>
<p>17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.</p>	<p>The previous grant application documented letters from the Rochester School District Superintendent, expressing concern about student safety and loss of school days caused by road closures due to flooding. , There were also citizen complaints to the Board of County Commissioners and to the public works department about time delays, lack of emergency services, and travel hazards due to flooding of the road.</p>

18. Anything Else -- 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.



