



**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](mailto: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.

| <b>Part I<br/>General</b>   |  |
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| <b>1. Date:</b>   | September 10, 2014   |
| <b>2. Project Name:</b>   | City of Cosmopolis Mill Creek Dam Improvements Project   |
| <b>3. Project Location</b> -- Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.       | From Highway 101 in Cosmopolis, turn west on C Street, proceed 4 blocks to 5th Street and turn left into Mill Creek Park. Walk southerly along the creek to the dam site.<br>Latitude: 46.95013773646577<br>Longitude: -123.77297043800354 |
| <b>4. Project Contact</b> -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.). | Darrin Raines, City of Cosmopolis Public Works / Community Development Director<br>PO Box 2007<br>Cosmopolis, WA 98537<br>360-533-4280 <a href="mailto:draines@cosmopolis.us.com">draines@cosmopolis.us.com</a>                            |
| <b>5. Lead Organization</b> -- Please identify the lead organization, agency, entity, etc. responsible for this project.                                  | City of Cosmopolis   |



| <b>Part II</b>  |  |
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| <b>Description, Timing and Cost</b>   |  |
| <p>6. <b>Project Description</b> -- Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.</p>  | <p>The City of Cosmopolis is seeking funding to replace the Mill Creek Dam that was breached during the November 2008 storm. This dam is the primary source of flood hazard reduction for 1,650 residents in Cosmopolis. The downstream affected area reaches into South Aberdeen and potentially several hundred more residents as much of South Aberdeen drains into the lower reaches of Mill Creek.</p> <p>The population directly affected by this project is approximately 325 people (130 homes) in Cosmopolis and at least 200 people (90 homes) in South Aberdeen. Also two businesses (Western Peterbilt with 25 employees and D4 Sports with seven employees) are adjacent to Mill Creek and are directly affected by its flood flows. Western Peterbilt provides Cosmopolis with tax base revenue on annual sales in excess of \$14,000,000. The Grays Harbor County Road Maintenance Shop (with 10-15 employees) is also directly adjacent to Mill Creek. It stores critical equipment for the maintenance of roads in the central part of Grays Harbor County.</p> |
| <p>7. <b>Project Timeline</b> -- Please describe the overall timeline for completion of the project as well any interim stages or phases.</p>   | <p>*Pending Funding*</p> <p>June to December 2015 – Final Design and Permitting</p> <p>January to June 2016 – Bidding and Construction</p>   |
| <p>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?</p> | <p>The total project cost estimate is \$3,819,750.</p> <p>The City's funding request is \$1,569,750 or \$3,082,000</p> <p>The on-going maintenance and operation requirements for the dam will involve similar activities conducted by the City as prior to the breach. The City will be responsible for the O&amp;M costs.</p>  |
| <p>9. <b>Other Funding</b> -- Please explain the extent to which other funding sources or funding partners are available.</p>   | <p>The City's funding need is \$3,082,000.</p> <ul style="list-style-type: none"> <li>• The City received prior funding offer from the Flood Authority in the amount of \$2,250,000, of which \$1,512,250 was deferred to the City of Montesano, resulting the amount funded to the City being \$737,750.</li> <li>• The \$1,512,250 amount (deferred to Montesano) is expected to be re-authorized to the City for this project, separate from this funding request. If this amount is not re-authorized, then the City's funding request for this project is \$3,082,000.</li> </ul> <p>The City has been actively pursuing funding to replace the dam since 2008.</p>   |



**Part III (\*\*)**

**Completion and Doability by June 30, 2017**

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| <p>10. <b>Project Completion</b> -- Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.</p> | <p>Yes, the requested funding will complete the project that has already been started. The City has received prior funding from the Flood Authority which has been used to conduct the following activities:</p> <ul style="list-style-type: none"> <li>• Initial Regulatory Consultation and Preliminary Design Criteria (completed July 2013)</li> <li>• Initial Geotechnical, Environmental, and Survey (completed October 2013)</li> </ul> <p>Field Data Collection and Engineer's Report (in progress, scheduled to be completed in November 2014)</p>   |
| <p>11. <b>Project Doable</b> -- Can this project or the stage/phase for which funding is sought be completed by June 30, 2017?</p>                                      | <p>Yes. Pending funding, the project schedule includes:</p> <ul style="list-style-type: none"> <li>• June to December 2015 – Final Design and Permitting</li> <li>• January to June 2016 – Bidding and Construction</li> </ul> <p>Current project activities include preparation and submittal of an Individual Permit application to the US Army Corps of Engineers, which is scheduled to be submitted in November 2014 and according to the Corps may take up to 12 months for issuance. The overall project schedule also includes other project permitting requirement timeframes, based on regulatory consultations that have been conducted with the Washington State Department of Fish and Wildlife, Washington State Department of Ecology's Dam Safety Office, Washington State Recreation and Conservation Office, and FEMA. The City believes that with funding this project will be completed by June 30, 2017.</p> |
| <p>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?</p>            | <p>Mitigation of project impacts includes flood hazard reduction, fish passage, and recreation. Mitigation of these project impacts will be accomplished by June 30, 2017, as shown in the Project Timeline above.</p>  |

**Part IV (\*\*)**

**Benefits Stated and Quantified**

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| <p>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.)</p> | <p>The ability to respond in a flood emergency will be enhanced by this project. Since the dam's breach in 2008, local flooding events have affected emergency vehicle access along roads adjacent to Mill Creek downstream of the dam in the City's residential core.</p> <p>In addition, the Grays Harbor County Road Maintenance Shop (with 10-15 employees), located adjacent to Mill Creek, stores critical equipment for the maintenance of roads in the central part of Grays Harbor County.</p> |
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| <p>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).</p>   | <p>The dam's flood hazard reduction benefit has not been in place since the breach in 2008, and replacement of the dam will restore this function. This dam is the primary source of flood hazard reduction for 1,650 residents in Cosmopolis. The downstream affected area reaches into South Aberdeen and potentially several hundred more residents as much of South Aberdeen drains into the lower reaches of Mill Creek.</p> <p>The essential infrastructure downstream of the dam remains at risk of facing the consequences of flood hazards until the dam is replaced.</p>  |
| <p>15. <b>Public Health, Safety and Welfare</b> -- Please explain how this project protects public health, safety and welfare.</p>   | <p>The dam will provide flood hazard reduction along Mill Creek downstream of the dam by storing and reducing some of the peak runoff flows from the upper Mill Creek basin. Replacing the dam would enhance the health, safety and welfare of over 1950 residents in Cosmopolis and South Aberdeen. The drainage area downstream of the dam indicating the affected area is approximately 0.4 square miles in Cosmopolis and 1 square mile in South Aberdeen. The loss of flood hazard reduction results in the FEMA FIRM Maps inaccurate by increasing the flood zones area, which places residents and the City of Cosmopolis in danger of having homes not properly protected with Flood Insurance.</p>   |
| <p>16. <b>Residential, Commercial and/or Agricultural Protection</b> -- 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 population directly affected by this project is approximately 325 people (130 homes) in Cosmopolis and at least 200 people (90 homes) in South Aberdeen. Also two businesses (Western Peterbilt with 25 employees and D4 Sports with seven employees) are adjacent to Mill Creek and are directly affected by its flood flows. Western Peterbilt provides Cosmopolis with tax base revenue on annual sales in excess of \$14,000,000. The Grays Harbor County Road Maintenance Shop (with 10-15 employees) is also directly adjacent to Mill Creek. It stores critical equipment for the maintenance of roads in the central part of Grays Harbor County.</p> <p>Since the dam breach in 2008, the City has experienced localized flooding along Mill Creek downstream of the dam <i>8 of times</i> during <i>timeframes or rainfall/storms</i>.</p> |



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| <p>17. <b>Other Project Impacts</b> -- Please explain how this project impacts or is potentially impacted by another project.</p>   | <p>This project is a priority as referenced in the City’s Hazard Mitigation Plan (HMP) and the City’s Multi-Objective Plan for Mill Creek. In the Multi-Objective Plan, the City identifies priorities for near term and long range improvements to the entire Mill Creek watershed system, including assessment for capacity and fish passage enhancements of culverts conveying Mill Creek, operation of the tide gate in the levee where Mill Creek drains to the Chehalis River, and upstream fish habitat enhancements. The replacement of the dam is one component of the City’s overall objective of providing flood hazard reduction from Mill Creek.</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>For photos, reports, drawings and maps, see the Flood Authority website for this project:<br/> <a href="https://www.ezview.wa.gov/site/alias_1763/overview/34596/overview.aspx">https://www.ezview.wa.gov/site/alias_1763/overview/34596/overview.aspx</a></p> <p>Two additional significant benefits of this project will be provided, relating to habitat restoration and recreation.</p> <ul style="list-style-type: none"> <li>• The prior dam was a fish barrier along Mill Creek. The replacement dam includes fish passage that will provide fish access to habitat of approximately 2 miles in the upper Mill Creek watershed.</li> <li>• The dam breach removed the youth recreational fishing pond upstream of the dam, and destroyed the Mill Creek Park loop trail footbridge. This project will restore the recreational pond and loop trail footbridge for the citizens of Cosmopolis, the greater Grays Harbor area, and visitors.</li> </ul> |