

Scott Boettcher

From: Kris Koski <kkoski@aberdeenwa.gov>
Sent: Friday, August 12, 2016 4:36 PM
To: Scott Boettcher
Subject: Flood Authority Local Projects Recruitment | Southside Levee Recertification Survey
Attachments: FINAL Local Flood Relief Project Recruitment Form - Southside Levee Recertification Survey 20160812.pdf

Scott,

Please find the attached application for \$21,600 for a survey of the Southside Levee. This work would be used to finish the Southside Dike/Levee Recertification project. Survey was not included in the original scope as the intent was for the City to do the survey in-house (as had historically been done). However, our surveyors are not registered Professional Land Surveyors and FEMA will not accept their work.

Is it possible for this application to be considered for leftover 2015-2017 funds? I am interested in finishing the Southside Recertification this biennium (and as soon as possible!), and if the survey were to be funded in the 2017-2019 Biennium, the Southside Recertification would need to be extended another two years.

The most expedient way to complete the Southside Recertification would be to obtain survey funding that is attached to or added to RCO #15-1551 (Southside Recertification) so that Landau could hire a sub to do the survey. Otherwise we'd have to issue an RFQ and do a standard procurement process with a survey contracted through the City, which isn't a problem but adds time and administration costs.

Have a great weekend!

Kris Koski, PE
City Engineer
City of Aberdeen

Office: [360-537-3218](tel:360-537-3218)
Cell: [360-589-6896](tel:360-589-6896)



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:	August 12, 2016
2. Project Name:	Southside Levee Recertification Survey
3. Project Location -- Please identify the location of the project as precisely as possible, including providing decimal degree latitude/longitude coordinates.	The project location is the Southside Levee in Aberdeen, Washington. The levee runs from State Route 105 at Charley Creek Road in South Aberdeen then runs north to Grays Harbor and upstream along the left bank of the Chehalis River to Cosmopolis, Washington. The total length is approximately four miles. See Attachment 1 for a map of the levee.
4. Project Contact -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Kris Koski, City Engineer City of Aberdeen Public Works 200 East Market Street, Aberdeen, WA 98520-5207 (360) 537-3218 kkoski@aberdeenwa.gov
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 Aberdeen will administer the project. The project will occur in the Cities of Aberdeen and Cosmopolis.

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.	<p>This project is an extension of the Southside Dike/Levee Certification Project, an existing Chehalis River Basin Flood Authority (Flood Authority) project (RCO #15-1551). The existing project has provided the geotechnical and hydraulic analysis and reporting required for recertification of the levee. However, a survey of the levee must be performed to complete recertification. A survey was not included in the existing project's scope as City crews have historically performed surveys of the levee. However, surveyors staffed in the City's Engineering Department are not registered Professional Land Surveyors and cannot perform the work under current regulations.</p> <p>This project will include a survey of the levee by a</p>



	<p>Professional Land Surveyor so that the consultants for the existing recertification project may finish their work. Once the work is complete, the Southside Levee can be recertified so that it will continue to result in a majority of South Aberdeen and Cosmopolis being located in a Zone X per the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Maps (FIRMs).</p> <p>The Southside Levee provides not only protection from coastal and riverine flooding along Grays Harbor and the Chehalis River, but also critical financial relief by placing the area in a mapped Zone X per FEMA's FIRMs. Recertification of the levee will allow approximately 5,000 South Aberdeen and Cosmopolis residents to continue to benefit from the Zone X designation.</p>
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	As soon as funding is in place, the City will obtain the services of a Professional Land Surveyor and begin the work. The physical surveying is anticipated to take no longer than three weeks. Including administrative process and office time, the total project duration is anticipated to be less than three months.
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 work is estimated to cost \$18,000 to complete. With a contingency of 20% as insurance for unanticipated costs to complete the work and recertify the levee, the total grant amount is \$21,600.
9. Other Funding -- Please explain the extent to which other funding sources or funding partners are available.	The Flood Authority is the sole funding source for the work.

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.	As discussed in Section 6 of this form, this project is an extension of the Southside Dike/Levee Certification Project, an existing Flood Authority project (RCO #15-1551). The existing project has provided the geotechnical and hydraulic analysis and reporting required for recertification of the levee. However, a survey of the levee must be performed to complete recertification. A survey was not included in the existing project's scope as City



	crews have historically performed surveys of the levee. However, surveyors staffed in the City's Engineering Department are not registered Professional Land Surveyors and cannot perform the work under current regulations. This project will include a survey of the levee by a Professional Land Surveyor so that the consultant for the existing recertification project may finish their work.
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.	As discussed in Section 7 of this form, as soon as funding is in place, the City will obtain the services of a Professional Land Surveyor and begin the work. The physical surveying is anticipated to take no longer than three weeks. Including administrative process and office time, the total project duration is anticipated to be less than three months. There are no anticipated impacts to the project timeline.
12. Project Impacts -- Please identify how any project impacts will be mitigated, funded and if that mitigation will be accomplished by June 30, 2019?	No physical impacts will result from this work. Mitigation will not be required.

Part IV (**) Benefits Stated and Quantified	
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.).	The Southside Levee provides significant emergency response benefits. However, this survey work and the recertification in general will not directly enhance emergency response.
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.	The Southside Levee provides essential protection for South Aberdeen and Cosmopolis from coastal and riverine flooding along Grays Harbor and the Chehalis River. It also provides critical financial relief by placing the area in a mapped Zone X per FEMA's FIRMs. Recertification of the levee will allow South Aberdeen and Cosmopolis to continue to benefit from the Zone X designation.



<p>15. Public Health, Safety and Welfare Benefits -- Please describe (and quantify) how this project protects public health, safety and welfare.</p>	<p>The health, safety, and welfare of approximately 5,000 South Aberdeen and Cosmopolis residents are greatly improved by the Southside Levee, both in terms of direct flood protection and the financial relief provided by the Zone X designation in FEMA's FIRMs.</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>There are approximately 5,000 residents in South Aberdeen and Cosmopolis whose properties directly benefit from the Southside Levee. They benefit from flood protection and the financial relief provided by being in a mapped Zone X per FEMA's FIRMs.</p>
<p>17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.</p>	<p>This project provides benefit to the existing Southside Dike/Levee Recertification project as described in Sections 6 and 10 of this form.</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>Attachment 1: Map Showing Levee Alignment</p>



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.

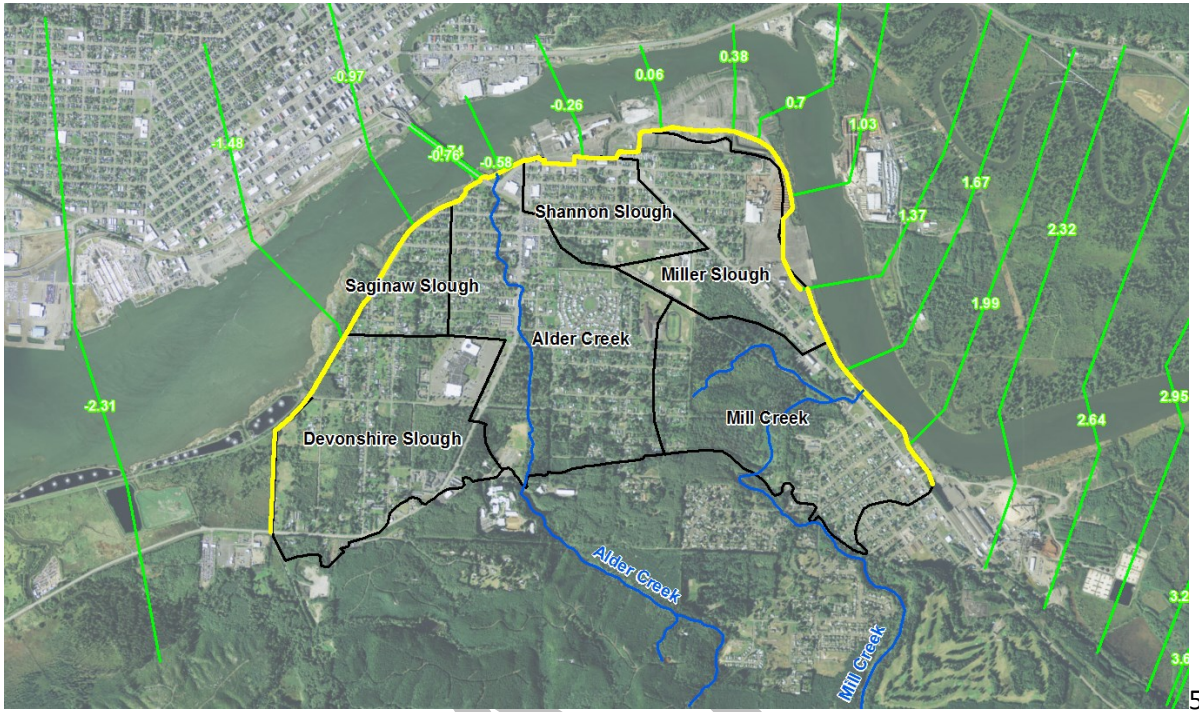


Figure 2: HEC-RAS storage areas (outlined in black) and South Aberdeen Levee (yellow) with FIS cross-sections (green)