



September 14, 2016

TO: Flood Authority Members
FROM: Scott Boettcher, Staff
SUBJECT: Proposed 2017-19 Local Projects

Purpose of this memo is to orient Flood Authority members to 2017-19 local project proposals received to date and to present for discussion key considerations and next steps identified by the Projects Committee. We will discuss this at tomorrow's Flood Authority meeting. Please feel free to call or email if you have questions (i.e., 360/480-6600, scottb@sbgh-partners.com).

2017-19 Local Project Proposals Received

- 10 project proposals have been received to date totaling \$7,486,204.
- 2-3 more project proposals are pending (that will added to the total funding requested):
 - Construction of the Wishkah Road Flood Levee.
 - Construction of Phase II of China Creek Project.
 - Design of an elevated farm pad approach that passes flood water and stays above floodplain.
- Projects received to date are summarized in attached table and can be viewed at https://www.ezview.wa.gov/site/alias_1492/28124/DesktopDefault.aspx?alias=1492&PageID=28124#2017.

Key Considerations

Projects committee met 9/07/2016 to review and discuss proposals received to date. In so doing several interrelated topics were raised that both enriched the Committee's discussions as well suggested the need for further thought/discussion, namely:

- **What are "local" projects?** We are increasingly seeing projects proposed by entities other than public works departments (which have historically been the predominant source for local projects). The Committee will discuss this in the context of perhaps an evolving definition of "local projects."
- **Do we have the right funding structure for the job at hand?** 2015-17 funding was structured around:
 - Local projects



- Flood proofing
- Habitat restoration
- Farm pads

Is this the right structure for 2017-19?

- **How to deal with “tweeners”?** In other words how to deal with projects that exist between funding sources or straddle multiple funding sources and as such could inadvertently be orphaned (e.g., individual agricultural landowners with river bank erosion problems that threaten livestock and livelihoods).
- **Pros/cons of establishing funding line items for project types (versus actual projects).** Projects Committee wonders for projects involving individuals (who are not part of capital facility plans and the like) about the pros/cons of establishing dedicated budget line-items for such categories as emergency agricultural conservation and local flood proofing.

Next Steps

Projects Committee proposes the following by next Flood Authority meeting:

1. Fulfill additional information needs identified in attached table.
2. Develop funding proposal in conjunction with Office of Chehalis Basin that considers:
 - Jump starting projects with unspent 2015-17 funds as makes sense.
 - Providing budget placeholder for basin-wide:
 - Emergency agricultural conservation.
 - Local flood proofing.
 - Incorporating pending project proposals not yet received (Wishkah Flood Levee and elevated farm pad approach).
 - Potential carry forward needs of existing projects.
 - Perspectives of QIN and Chehalis Tribe.

Sponsor	Project Proposal	\$\$ Request	Note	Additional Information Needs
1. Aberdeen	Southside Levee Recertification Survey	\$ 21,600	Need to contract survey as Aberdeen does not have registered "Professional Land Surveyors" as FEMA requires.	* Determine if \$21.6K available in 2015-17 funds to apply now.
2. Centralia	China Creek	tbd	Placeholder for Phase II construction budget.	* Phase II design (underway now) is to be followed by Phase II construction.
3. Chehalis	Airport Storm Water Pump Station	\$ 350,000	2nd increased funding request necessary to complete design and implement desired back-up/redundancy systems.	* Review detail on past, future expenditures. * Verify not funding O&M. * Determine if \$25K available in 2015-17 funds to apply now.
4. Chehalis	Chehalis Wastewater Treatment Facility Removal & Habitat Restoration Project	\$ 2,823,380	Four-phase project to: 1. demo/remove wastewater facility. 2. create 10-acres wetland habitat. 3. monitor wetland/flood storage.	* Meet with Ecology and proponent to understand history, obligations, benefits, risks, etc.
5. Grays Harbor	Wishkah Road Flood Levee	tbd	Placeholder for construction budget.	* RCO holding \$3.83M (2015-17 funds).
6. Hoquiam	Ramer Street Pump Station	\$ 1,300,000	Construct new pumping station (with appropriately sized pipes) to discharges flood waters to Raymer Street Outfall and resolve long-standing tidally influenced flooding problem.	* Verify project identified in City's Comprehensive Surface Water Management Plan.
7. Montesano	West McBryde Culvert Replacement	\$ 135,000	Upgrade 18" culvert with 60" culvert to convey problem flood waters and provide fish passage.	* Determine if "habit" or "local" project.
8. Napavine	Kirkland Road Drainage Improvements Construction	\$ 595,000	Upgrade draining infrastructure to better convey flood waters from east of I-5 to west of I-5.	* Determine if any down stream effects. * Placeholder until study completed.
9. Thurston County	Residential Elevations/Buy- (link to add'l material)	\$ 1,932,500	Elevate 10 structures above floodplain and buy out 8 within the floodway.	* Recharacterize as basin-wide proposal with Thurston County implementing 1st (on basis of prior work, readiness).
10. Thurston County	Independence Road Flood Reduction Feasibility Study	\$ 100,000	Evaluate hydrologic flows, identify alternatives to alleviate chronic flooding on Independence Road, and select solution, costs, funding.	* Determine if any 2015-17 funds available to jump start the project.
11. Thurston County (w/ USGS)	Upgrade Stream Gaging Network	\$ 97,810	Establish common elevation for 18 gages and secure one-time operational funding for 3 gages.	* Convene gages group to review. * Consider Flood Authority gages. * Verify Capital Budget eligibility.
12. WA Coast Sustainable Salmon Coalition	Chehalis Basin Habitat Work Schedule Pilot	\$ 130,914	Extend HWS beyond salmon recovery to be a common, visible, single-source for coordinated capital investment planning/funding in the Basin (e.g., landowner, CDs, WDFW, Flood Authority, Office of Chehalis Basin).	* Consider Office of Columbia River's successful Instream Atlas project at http://wdfw.wa.gov/publications/01498/ as potentially analogous. * Determine if 2015-17 funds available to jump start the project.
		\$ 7,486,204		