October 15, 2014

TO: Flood Authority Members

FROM: Scott Boettcher, Staff

SUBJECT: Proposed 2015-17 Small Projects

The purpose of this memo is to update and make recommendation on potential small projects proposed for 2015-17 State Capital Budget funding. We will discuss this material on our Flood Authority conference call on Thursday, October 16th. Please feel free to call or email if you have any questions (i.e., 360/480-6600, scottb@sbgh-partners.com).

I. Background:

At the Flood Authority's 9/18/2014 regular meeting in Rochester, the Flood Authority directed staff and the Projects Committee to prepare a second-round, final list in priority order of recommended 2015-17 small projects for consideration by the Governor's Workgroup for 2015-17 State Capital Budget funding. [Note: First-round 9/16/2014 evaluation can be found here https://www.ezview.wa.gov/Portals/_1492/images/DRAFT%20Projects%20List%2009-16-2014.pdf.]

II. Proposed and Prioritized Small Projects:

Below (starting page 3), provides for the Flood Authority's consideration and discussion a listing of potential proposed small projects in priority order that have been evaluated and prioritized on the basis of the following criteria:

- project type (1-6);
- likely ability to fully expend 2015-17 funds (Y, N, ?); and
- extent to which there may or may not be cost-benefit concerns (Y, N, ?).

Recommendation – The Projects Committee recommends that the proposed 2015-17 small project list provided here be (in its entirety) forwarded on the Governor's Workgroup (in the order and funding levels prescribed) as the Flood Authority's recommendation for further small projects funding for the 2015-17 biennium.

Note – Proposed 2015-17 small projects can additionally be viewed here (click on "A" projects) https://mapsengine.google.com/map/viewer?mid=z33VOynYGAcw.kKZZEVZorhWw.

CHEHALIS RIVER BASIN FLOOD AUTHORITY

III. Additional Recommendation:

Through the course of the Projects Committee's work on small projects, a couple project-related topics frequently arose that the Project Committee considers warrant specific recommendation to the Governor's Workgroup.

a. Funding Stratification – 2013-15 State Capital Budget contained distinct funding categories for:

- Large capital projects ($9.2M);
- Constructing priority local flood hazard reduction projects ($10.742M);
- Reducing damage to residential and other structures through elevations, buyouts, etc. ($1.75M); and
- Multipurpose fish and habitat projects ($4.35M)

See https://www.ezview.wa.gov/Portals/_1492/images/2013-15.pdf

Recommendation:
The Projects Committee recommends the Governor's Workgroup approach 2015-17 funding through a similar set of funding categories.

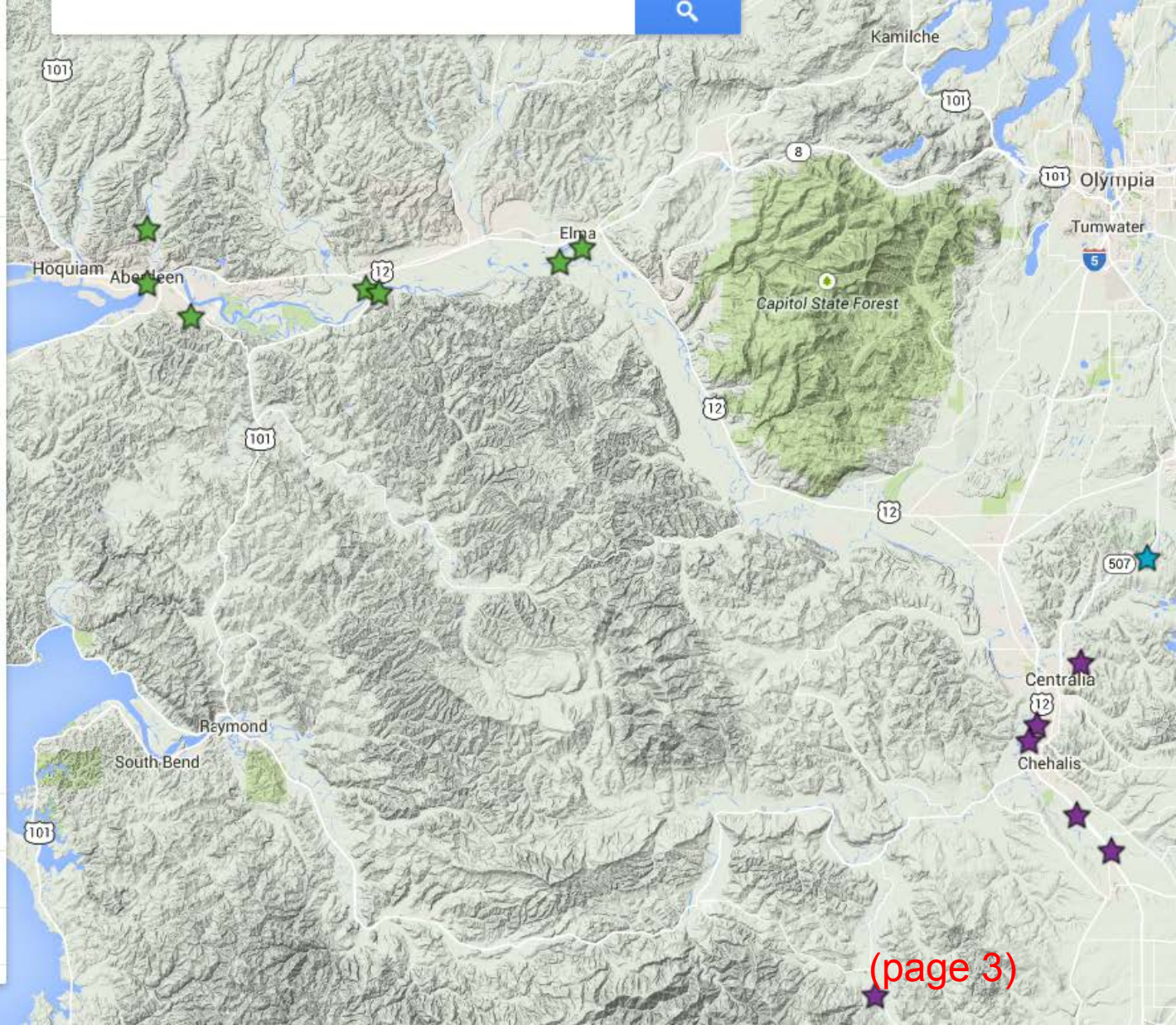
b. O&M and Governance of Large Capital Projects – The Projects Committee considers as one of its criteria in evaluating small projects the capacity of a project sponsor to attend to necessary operations and maintenance needs. As the Projects Committee worked through its small projects process it did discuss how it might be that governance and O&M would be addressed for large capital projects like an upper basin retention structure.

Recommendation:
The Projects Committee recommends the Governor's Workgroup approach 2015-17 funding with an intent to determine and potentially capitalize an entity to attend to longer-term O&M needs for large capital projects and projects with multi-entity benefits.

2015-17 Proposed Projects

Projects proposed for 2015-17 state capital budget funding.

- [ ] Proposed "E" Projects
- [x] Proposed "A" Projects
  - Aberden, Northside Levee
  - Cosmopolis, Mill Creek Dam
  - GHC, Wishkah Road Floodwall
  - Montesano, WWTP Wynoochee Ri...
  - WSDOT, SR107 High-Flow Bypass
  - Elma, WWTP Outfall Stabilization
  - GHC, Elma-Porter Overflow Bridge ...
  - Bucoda, Main Street Regrade
  - Centralia, China Creek Phase I Con...
  - Chehalis, Airport Pump
  - Chehalis, Raise Airport Levee
  - Chehalis, Dillenbaugh Creek Realig...
  - Napavine, Kirkland Road Flooding ...
  - Boistfort Water District, Pre-Sedim...
- [ ] Proposed "B" Projects
- [ ] Proposed "C" Projects
- [ ] Proposed "D" Projects



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Attachment A

Proposed and Prioritized Small Projects

Type	Jurisdiction	Project	Initial Request	2015-17 Request	Running Tally	Fully Expend	Cost, Benefit	Notes
1. Flood Protection	Aberdeen	Northside Levee	$ 3,500,000	$ 2,700,000	$ 2,700,000	y	y	* Protects 500+ homes/properties. * Flood insurance savings ($500K -$1M a year). * $800K authorized at 9/18/2014 FA mtg.
	Bucoda	Main Street Regrade	$ 3,700,000	$ 3,100,000	$ 5,800,000	y	y	* HDR = $3M-$3.1M. * 25% of town (south of 11th Street) isolated from emergency services.
	Cosmopolis	Mill Creek Dam	$ 3,082,000	$ 3,082,000	$ 8,882,000	y	y	* Donated $1,512,250. * Protects 130 homes in Cosmopolis, 90 homes in South Aberdeen, two significant businesses (Western Peterbilt, D4 Sports), Grays Harbor County Road Maintenance Shop.
2. Multi-Benefit	Centralia	China Creek Phase I Construction	$ 950,000	$ 900,000	$ 9,782,000	y	y	* Reduces flooding to downtown businesses, improves emergency access and response times. * Incorporates natural stream channels and water storage features. * Slows down and store runoff from upper watershed.
	WSCC	Farm Pads, Evacuation Routes	$ 500,000	$ 500,000	$ 10,282,000	y	y	* Protects livestock, equipment and other farm supplies and products from flooding. * Continues successful program having already assisted ~20 farm families around Basin.
3. Infrastructure	Chehalis	Airport Pump	$ 716,245	$ 716,245	$ 10,998,245	y	y	* Replaces existing aging pump station.
	Boistfort Valley Water District	Pre-Sedimentation Pond	$ 289,000	$ 289,000	$ 11,287,245	y	y	* Ensures continuity of water supply post-emergency event.
	WSDOT	SR107 High-Flow Bypass	$ 422,188	$ 422,188	$ 11,709,433	y	y	* Donated $109,192. * Design and permitting for overflow channel. * Protects SR 107.

	Elma	WWTP Outfall Stabilization Project	$ 367,900	$ 367,900	$ 12,077,333	y	y	* Exisiting outfall undermined from past flooding, erosion. * Project repairs and armors outfall structure. * Protect downstream communities.
4. Study	Napavine	Kirkland Road Flooding Study	$ 40,000	$ 40,000	$ 12,117,333	y	y	* HDR = $40K. * Reduce flood damage to businesses, homes along Kirkland Road from Newaukum River flooding. * Improve emergency response in area of Kirkland Rd, Rush Rd and I-5 interchange.
	Montesano	WWTP Wynoochee River Bank Protection	$ 1,320,000	$ 137,000	$ 12,254,333	y	y	* Parametrix = $137K. * Protect WWTP from further Wynoochee river erosion. * Protects downstream communities. * Looks to installing rock groins to deflect river energy.
	Chehalis	Dillenbaugh Creek Realignment	$ 500,000	$ 500,000	$ 12,754,333	y	y	* HDR = $9.6M-$10.8M. * Project is to divert Dillenbaugh and Newaukum flood flows away from southwest Chehalis and I-5 to protect ~74 residential structures and 13 businesses.
5. WSDOT Linkage	Chehalis	Raise Airport Levee	$ 2,800,000	$ 2,800,000	$ 15,554,333	?	?	* Phase II would further protect airport, commercial areas to the east. * Tied to WSDOT I-5 protection projects.
6. Cost/Benefit Concerns	GHC	Wishkah Road Floodwall Project	$ 4,780,000	$ 4,780,000	$ 20,334,333	?	?	* Donated $1,952,000. * Reduces flooding on Wishkah Road between milepost 2.2 and 2.7. * Enables road to remain open to emergency vehicles during high-water events (benefiting ~200 homes). * Frequency and duration of roadway impassability is low (anecdotally), and would need to be modelled to have greater confidence in understanding.

Attachment A

Proposed and Prioritized Small Projects

	GHC	Elma-Porter Overflow Bridge Lengthening	$ 6,000,000	$ 6,000,000	$ 26,334,333	?	?	* Proposed project (extend overflow bridge opening to 900 feet) does not at this time appear to meet initialy estimated benefits. * Other options being considered/evaluated.
			$ 28,967,333	$ 26,334,333	$ 26,334,333			Other options being considered/evaluated.

Map of Proposed Projects --> https://mapsengine.google.com/map/viewer?mid=z33VOynYGAcw.kKZZEVZorhWw

2013-15 ($10,742,000) --> https://www.ezview.wa.gov/Portals/_1492/images/2013-15.pdf

2012 ($5,000,000) --> https://www.ezview.wa.gov/Portals/_1492/images/2012%20appropriation.pdf