



May 15, 2019

TO: Flood Authority Members

FROM: Scott Boettcher, Staff

SUBJECT: Riverside Rain Gage

The purpose of this memo is to discuss funding reinstallation of the Flood Warning System's Riverside Rain Gage. We will discuss this at Thursday's 5-16-2019 Flood Authority meeting. Please feel free to call or email if you have questions (i.e., 360/480-6600, scottb@sbgh-partners.com).

A. Background

1. The Riverside Rain Gage is one of the original 10 gages funded and installed by the Chehalis River Basin Flood Authority. It was installed in March 2011. The gage collects and reports atmospheric and weather data (rain, temperature, etc.) to the Flood Authority's Flood Warning System and the National Weather Service. The gage is located at the Riverside Fire Authority's Station #8 (1220 Garrard Creek Road, Oakville, WA 98568) and can be viewed here https://chehalis.onerain.com/site.php?site_id=16003&site=4b1029bc-782a-452e-9a13-bd9474560d7a.
2. On December 31, 2018, the Riverside Rain Gage was removed and taken off-line by WEST Consultants. This was done to accommodate the Fire Authority and an adjacent landowner. The property where the gage was installed was on an easement granted to the Fire Authority by the adjacent landowner and not in fact Fire Authority property. Removing the gage was necessary to accommodate the adjacent landowner's need to use the easement for other purposes.
3. In October 2018 WEST Consultants provided a proposal to relocate and reinstall the gage. The cost is \$4,795. WEST Consultants proposal is attached.
4. The Flood Authority Projects Committee has identified reinstallation of the Riverside Rain Gage as a high priority should funding become available.

B. Recommendation

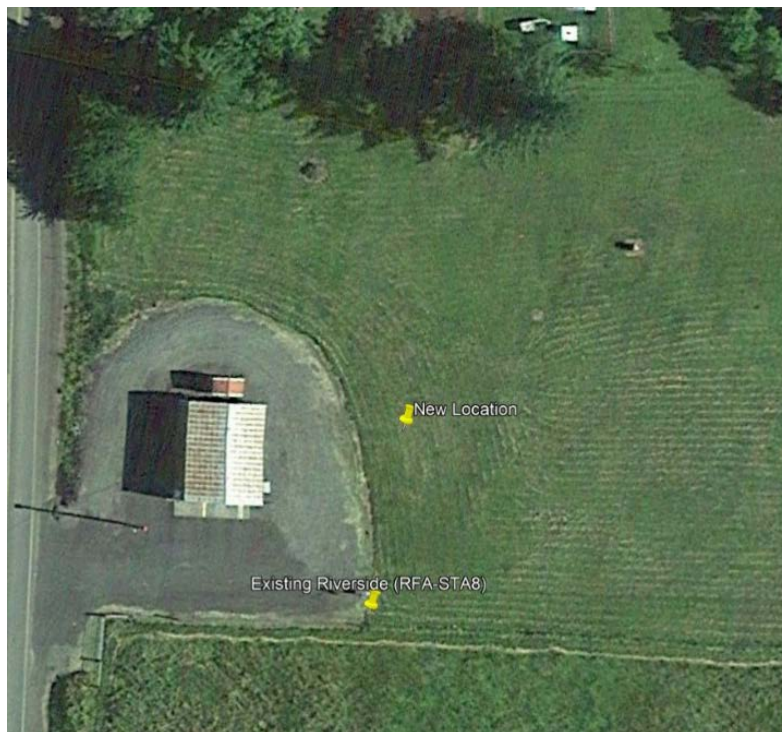
1. While funding is not currently available to reinstall the Riverside Rain Gage, it is possible that funding could become available in the next several weeks as the biennium comes to a close and staff (Scott) works with each of the local projects to close out or extend their projects.
2. It is recommended that staff be authorized to move forward with reinstallation of the Riverside Rain Gage should \$4,795 in funding become available before the end-of-the-biennium and to report back to the Flood Authority at their July 18, 2019 meeting.

Proposal to Relocate Riverside (RFA8) Rain Gage **October 4, 2018**

Background

The Chehalis River Basin Flood Authority (CRBFA) requested a proposal from WEST Consultants Inc. (WEST) to relocate the Riverside (RFA8) rain gage. WEST installed the rain gage in March of 2011 after securing permission from Riverside Fire Authority (RFA). In 2018, it was brought to the attention of the CRBFA and RFA that the rain gage was installed on an easement owned by the Dickerson family. The Dickerson family intends to develop their land and wishes to put a road on the easement. As such, they request the rain gage to be relocated off of the easement.

Representatives from RFA, WEST and the Dickerson family met at the Riverside Rain Gage (RFA-STA8) to discuss the relocation effort on 10/4/2018. Based on discussion with all parties it was decided that the new rain gage location should be approximately 75 ft north of the east/west fence line marking the southern edge of the property. This will put the gage at least 50 ft north of the current easement. The gage will also be approximately 50 ft east of the east wall of the fire building – still on fire department property. See map.





Tasks

WEST will relocate the rain gage to the new location approved by all parties. The existing pipe will be cut off at the top of the concrete slab, and the slab will be left in place. As part of the relocation, WEST needs to cement a new pipe in the ground, disassemble the existing gage components, and then reassemble the gage once the new pipe has cured in the cement.

Total cost for this task is: \$4,795

Schedule

Once notice to proceed is given and a contract amendment is issued, WEST can begin with the relocation. The final schedule will be determined in consultation with the CRBFA, but is anticipated to occur by the end of October 2018.