From:	Heilman, Julie
To:	Jeff Budnick
Cc:	Wilson, DeWayne
Subject:	RE: Flood Warning Station
Date:	Monday, August 07, 2017 1:55:16 PM

Yes with regards to hydraulics. Bridge will have to respond associated with bridge

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From: Jeff Budnick [mailto:jbudnick@rivermeasurement.com]
Sent: Monday, August 7, 2017 11:46 AM
To: Heilman, Julie <HeilmaJ@wsdot.wa.gov>
Subject: RE: Flood Warning Station

Thanks Julie. I assume this means we are free to move forward?

Jeffery A. Budnick | Hydrologist | WEST Consultants, Inc.
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From: Heilman, Julie [mailto:HeilmaJ@wsdot.wa.gov]
Sent: Monday, August 07, 2017 11:37 AM
To: Jeff Budnick <jbudnick@rivermeasurement.com>; Wilson, DeWayne <WilsonD@wsdot.wa.gov>
Cc: Jeff Budnick <IMCEAMAILTO-jbudnick+40rivermeasurement+2Ecom@WSDOT.WA.GOV>; Dotson, Gene <DotsonG@wsdot.wa.gov>; Churchill, David <ChurchD@wsdot.wa.gov>
Subject: RE: Flood Warning Station

This works for me.

From: Jeff Budnick [mailto:jbudnick@rivermeasurement.com]
Sent: Monday, August 7, 2017 11:26 AM
To: Wilson, DeWayne <WilsonD@wsdot.wa.gov>; Heilman, Julie <HeilmaJ@wsdot.wa.gov>
Cc: Jeff Budnick ; Dotson, Gene <DotsonG@wsdot.wa.gov>; Churchill, David <ChurchD@wsdot.wa.gov>
Subject: RE: Flood Warning Station

Julie/DeWayne,

I should mention that the current gage is installed on a walkway near the south abutment of the bridge (on the West/downstream side of the bridge). I assume the walkway was installed by NWS when they installed the gage. See attached picture. The current electronics are installed in the black steel enclosure (top center of picture) and the vertical corrugated metal pipe is the stilling well where water surfaces are measured. Our plan is to install a bubbler type sensor with new satellite telemetry and a new electrical enclosure. All new equipment would be installed at the end of the walkway. To install a bubbler sensor we need to trench and install some 2” steel conduit from the end of the walkway out into the river.

Let me know if you need more details. Thanks for your help.

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From: Wilson, DeWayne [mailto:WilsonD@wsdot.wa.gov]
Sent: Monday, August 07, 2017 10:33 AM
To: Heilman, Julie <HeilmaJ@wsdot.wa.gov>
Cc: Jeff Budnick <IMCEAMAILTO-jbudnick+40rivermeasurement+2Ecom@WSDOT.WA.GOV>; Dotson, Gene <DotsonG@wsdot.wa.gov>; Churchill, David <ChurchD@wsdot.wa.gov>
Subject: FW: Flood Warning Station

Julie,

Is this something you would review?
If there is no attachment to a Bridge then it does not look like the Bridge Office would have any comments on the proposed installation.

Jeff,

Do you have any details on the proposed gage location?

DeWayne Wilson, P.E.
Bridge Asset Management Engineer
Washington State DOT
360-705-7214

From: Jeff Budnick [mailto:jbudnick@rivermeasurement.com]
Sent: Monday, August 7, 2017 10:23 AM
To: Wilson, DeWayne <WilsonD@wsdot.wa.gov>
Subject: Flood Warning Station

Hello Mr. Wilson,

We maintain a network of stream and rain gages for the Chehalis River Basin Flood Authority. Recently, the Flood Authority asked us to upgrade 2 existing National Weather Service (NWS) river gages in Centralia, WA. One gage is located on the Chehalis River at Mellen St (and we've contacted the City for permission to attach to the bridge). The other gage is located on the Skookumchuck River at SR507 (I believe the bridge number is 507/8). The gage has been located here for 40-50

years (originally installed by the NWS). We are planning to modernize the equipment without connecting to the bridge. I thought I should check with WSDOT to see if this is permissible.

Let me know what you think. Thanks

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