From:	Jan Stemkoski
To:	Jeff Budnick
Cc:	Kahle Jennings; Rob Hill
Subject:	RE: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge
Date:	Friday, August 18, 2017 2:32:14 PM

Jeff:

Our Structural Engineer has reviewed your submittal. Based on his review it appears that all your equipment is being attached with bands/clamps so the proposed attachment is acceptable. His one comment is there should be an insulator between the aluminum and steel so that there is not galvanic action between the two. Based on our telephone conversation the rubber mat material you proposed would be acceptable.

Thanks
Jan

From: Jeff Budnick [mailto:jbudnick@rivermeasurement.com]
Sent: Monday, August 07, 2017 5:05 PM
To: Jan Stemkoski; Kahle Jennings
Subject: RE: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge

Hello Jan and Kahle,

Steve has recently retired and I'm following up to see when you think your consultant structural engineer will be able to respond about our proposed gage at the Mellen St bridge. We'd like to be able to get things installed as soon as possible so that we are ready for high water this winter. Let us know if you need any more information from us.

Thanks for your assistance.

Jeffery A. Budnick | Hydrologist | WEST Consultants, Inc.
Water • Environmental • Sedimentation • Technology
811 NE 154th Street, Vancouver, WA 98685-1347
P: 360-571-2290 | F: 360-571-2291
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From: Steve Gustafson
Sent: Thursday, July 27, 2017 10:21 AM
To: Jan Stemkoski <jstemkoski@cityofcentralia.com>; Kahle Jennings <KJennings@cityofcentralia.com>
Cc: Jeff Budnick <jbudnick@rivermeasurement.com>
Subject: RE: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge

OK – Thanks for the update

Steve Gustafson – Senior Hydrologist
WEST Consultants, Inc.
Water ● **E**nvironmental ● **S**edimentation ● **T**echnology
ph: 360-571-2290

From: Jan Stemkoski [mailto:jstemkoski@cityofcentralia.com]
Sent: Thursday, July 27, 2017 10:19 AM
To: Steve Gustafson <steve@rivermeasurement.com>; Kahle Jennings <KJennings@cityofcentralia.com>
Cc: Jeff Budnick <jbudnick@rivermeasurement.com>
Subject: RE: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge

I have sent the information to our consultant structural engineer to confirm that it is acceptable. I have not heard back from them yet.

Jan

From: Steve Gustafson [mailto:steve@rivermeasurement.com]
Sent: Thursday, July 27, 2017 10:13 AM
To: Jan Stemkoski; Kahle Jennings
Cc: Jeff Budnick
Subject: FW: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge

Jan and Kahle,

I'm just checking back to see if we (WEST Consultants) can get permission to fasten new flood warning equipment to the Mellen Street Bridge as outlined in the attachments and the message below.

Thanks

-Steve

Steve Gustafson – Senior Hydrologist
WEST Consultants, Inc.
Water ● **E**nvironmental ● **S**edimentation ● **T**echnology
ph: 360-571-2290

From: Steve Gustafson
Sent: Tuesday, June 20, 2017 1:47 PM
To: Jan Stemkoski <jstemkoski@cityofcentralia.com>; Kahle Jennings <KJennings@cityofcentralia.com>
Cc: Jeff Budnick <jbudnick@rivermeasurement.com>
Subject: Upgrade of NWS Chehalis River at Centralia Flood Warning Gage - Attachment of New Equipment to Bridge

Jan and Kahle,

We would like to get your input and hopefully permission to attach new flood warning equipment to the upstream side of the Mellen Street bridge. The plan is to replace the outdated NWS stilling well gage with new instrumentation that will include a non-contact radar stage sensor and GOES satellite equipment to improve the transmission of near real-time data. All of the equipment would be on the bridge. Everything would be powered by a 12-volt battery with solar panel. We would install all of the components without drilling any holes into the bridge. The same equipment is used by WEST and the USGS in other parts of the Chehalis Basin.

I've attached a PDF photo with text which specifies what our preferred installation would consist of. We would prefer to install the new equipment next to the wire-weight gage. For reference I've included a photo of the USGS radar installation on the Chehalis at Montesano. The Mellen Street gage would be similar in most respects.

Right now it looks like the new equipment would be installed in August. Please let me know if you approve of this plan and if you need any other information from us.

Thanks

-Steve

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