

## Brian K

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**From:** a [ddorner@aol.com]  
**Sent:** Friday, June 19, 2015 3:41 PM  
**To:** DON.PIRRUNG@aecom.com; mhahn@sewrpc.org  
**Subject:** Re: Estabrook Dam Estimates estimate

Thanks Don.

Can you further clarify that the hydraulic modeling of flood elevations was based on having the gated structure removed and filled in?

Also was there a revised cost for removal of the dam?

Dave Dorner

-----Original Message-----

From: Pirrung, Don <[DON.PIRRUNG@aecom.com](mailto:DON.PIRRUNG@aecom.com)>  
To: Ddorner <[Ddorner@aol.com](mailto:Ddorner@aol.com)>; James.Keegan <[James.Keegan@milwaukeecountywi.gov](mailto:James.Keegan@milwaukeecountywi.gov)>; mhahn <[mhahn@sewrpc.org](mailto:mhahn@sewrpc.org)>  
Cc: Haley, Kevin ([Kevin.Haley@milwaukeecountywi.gov](mailto:Kevin.Haley@milwaukeecountywi.gov)) ([Kevin.Haley@milwaukeecountywi.gov](mailto:Kevin.Haley@milwaukeecountywi.gov)) <[Kevin.Haley@milwaukeecountywi.gov](mailto:Kevin.Haley@milwaukeecountywi.gov)>; Stave, Karl ([Karl.Stave@milwaukeecountywi.gov](mailto:Karl.Stave@milwaukeecountywi.gov)) ([Karl.Stave@milwaukeecountywi.gov](mailto:Karl.Stave@milwaukeecountywi.gov)) <[Karl.Stave@milwaukeecountywi.gov](mailto:Karl.Stave@milwaukeecountywi.gov)>; Dargle, John ([John.Dargle@milwaukeecountywi.gov](mailto:John.Dargle@milwaukeecountywi.gov)) ([John.Dargle@milwaukeecountywi.gov](mailto:John.Dargle@milwaukeecountywi.gov)) <[John.Dargle@milwaukeecountywi.gov](mailto:John.Dargle@milwaukeecountywi.gov)>  
Sent: Wed, Jun 17, 2015 3:35 pm  
Subject: RE: Estabrook Dam Estimates estimate

Dave, I chatted with Mike Hahn at SEWRPC to obtain his input regarding your questions. The SEWRPC river model considered complete removal of the dam for the dam removal option. The original cost estimate for dam removal included filling in the area where the gated section currently is located. More recent discussions with DNR indicated that filling in this area is not required, and DNR would prefer not filling in this area. The original 2014 cost estimates and the updated June 2015 cost estimates for dam repair and fish passage are attached. The structural inspection in June 2015 found about 20% more deterioration of the structure as compared to the 2010 inspection. The fish passage design is underway and the fish passage will be expanded to provide use of the stop logs in winter, and also provide year round fish passage. Grant funding is being pursued for fish passage. Thank you. .... Don Pirrung

**Don Pirrung, PE**

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**From:** [Ddorner@aol.com](mailto:Ddorner@aol.com) [<mailto:Ddorner@aol.com>]  
**Sent:** Sunday, June 14, 2015 8:47 AM  
**To:** [James.Keegan@milwaukeecountywi.gov](mailto:James.Keegan@milwaukeecountywi.gov); Pirrung, Don; [mhahn@sewrpc.org](mailto:mhahn@sewrpc.org)  
**Subject:** Estabrook Dam Estimates estimate

Gentlemen,

I have two questions.

In the estimate for dam removal, it appears that the gated section will be taken down to the 38' elevation and then that area will be completely filled in perhaps to meet the existing bank elevation of 41' thereby restoring the land that was existing prior to the construction of Estabrook Dam.

The EA states:

**"2) Dam Abandoned and Removed**

To represent this condition, the entire dam structure, including the gated and overflow spillway sections and the abutments, was assumed to be removed. The model for this condition was developed by modifying the existing condition model to reflect those removals."

Was the hydraulic modeling of flood elevations based on having the gated structure removed and not filled in, or was the hydraulic modeling based on the gated structure filled in?

Secondly, can you provide me with the detailed revised cost estimate for repair of Estabrook Dam?

Regards,

*Dave Dorner*

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