

Email:

October 29, 2015

Mary Ellen:

The Selectmen wanted to give you an update on the ASK Grant received for the Heath Road Bridge. The Town has started working with Eric Calderwood of Calderwood Engineering of Richmond, Maine. Calderwood has completed the survey portion of the project. So far, we have paid Calderwood \$1,700.00.

The project is going great at this time. It has been a very worthwhile exercise working with yourself and Bob Faunce. We hope to complete the bridge at an affordable price and will provide future updates when available.

If there is anything further you require at this time in accordance with the ASK Program Grant Agreement, please let us know.

Thank you.

Kelly Clancy, Town Clerk
for Wendy Pieh, Boe Marsh, Hank Nevins
Bremen Selectmen



Calderwood Engineering Progress Report

Prepared for: *Town of Bremen, Maine*

Date Prepared: 3rd November, 2015

Project:

Heath Road Bridge Replacement

Brief Description of Scope:

Remove existing single lane steel bridge and replace with a new bridge. Calderwood Engineering will perform the design and acquire all permits in accordance with the Maine Department of Environmental Protection and the U.S. Army Corps of Engineers.

Report:

Calderwood Engineering (CEE) performed a topographical survey for the site and begun work on the horizontal and vertical roadway alignment. CEE has entered into the preliminary design phase for the structure. CEE has determined a subsurface investigation is not required as the existing substructure is founded on bedrock.

Current Task:

CEE is in the process of performing a hydrologic study using the most up to date USGS modeling methods. This phase of the design is essential because the bridge is in a tidal zone and is subject to severe water elevation changes. CEE will use this information to design an adequate superstructure with the recommended freeboard during flood events. CEE will be exploring multiple superstructure design options such as steel and precast concrete in order to receive the most competitive pricing based on the state of the market.