

The Mendenhall River has been causing significant erosion of the property occupied by Don Abel Building Supply at 9999 Glacier Highway, Juneau, Ak. 99801. As much as 30' of ground has been lost to the river starting with the construction of the Brotherhood bridge in 2015.

The legal address is:

[MENDENHALL VALLEY INDUSTRIAL PARK 3 LOT 2AA, JUNEAU, ALASKA.](#)

GROUND COVER:

The lot is primarily cleared. Trees have grown up along the rivers edge but are mostly gone now as the bank erodes and they are washed away.

ACCESS:

There is free access through existing commercial property.

POWER SOURCE: None required.

The property owner has applied and received permits from the Army Corp of Engineers and the Alaska Department of Fish and Game (Attached) for the purpose of placing rip-rap along up to 300' of bank to stop further riverbank erosion. PDN Engineers prepared erosion control plans, which essentially mimic the State of Alaska erosion control plan used under Brotherhood Bridge. The City and Borough of Juneau is prepared to issue its grading permit as soon as the DNR Permit is in place. The CBJ cannot issue their permit prior to DNR issuing it's permit since the river is State owned land (per CBJ Engineering).

Execution of the project would involve hauling rock to the site and using an excavator to place the rock along the riverbank, thus securing the river bank. This work would be performed from the property by using an excavator(s) to place rock, creating a sloped surface, linking the existing lower Mendenhall River rip-rap currently in place on the downriver property with Lot 2AA to create a continuous river erosion barrier. This will stop the significant erosion and loss of property and protect the downstream property owner from erosion. The excavator will not need to be in the riverbed and all work can be performed from private property.

This project will take place over the next three years as finances allow. No fuel or other hazardous materials will be stored on the property for this project. A licensed contractor will conduct both material hauling and excavator work. Work will be performed in the spring months to avoid salmon runs.

The extent of this project can be summarized as follows;

We will hire a licensed contractor to haul rock (rip-rap) quarried in Juneau to the Don Abel property. An excavator will be used to place the rock up the embankment, preventing further erosion of the bank.

No fuel or other hazardous materials will be stored on site for this job. We estimate the work will be done over three years to spread out the cost of the project and will take a couple of weeks of actual work time each spring.

The photos provided below show both the location and the work performed by the State of Alaska under the Brotherhood Bridge. The State's work is a good example of what the finished product will look like.

VIEWING -

Looking down river towards the Smith property. The rip-rap will begin where the property lines meet. The Smith property has existing erosion control similar to our proposed solution. The new rip-rap will link up with the Smith's erosion control, which ends at the property line, and continue up river approximately 300'. In this photo the rip-rap will begin downriver approximately where the fall foliage colored tree in the middle of the photo is located.



The rip-rap will end approximately where the bench begins.



A Pano of the far side of the Mendenhall River from Brotherhood Bridge to the Smith property down river.



A pano of the Don Abel property from Brotherhood Bridge to the Smith property down river.



An example of what the finished stabilization work will look like when complete.



Please contact me with any additional questions.

Sincerely,
Bruce Abel