UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SELWAY NATIONAL FOREST

ADDRESS REPLY TO
FOREST SUPERVISOR
AND REFER TO

KOOSKIA, IDAHO

O
Improvement - Selway
Pettibone Bridge

Memorandum for Files.

On November 2, 1926 Forest Ranger Parsell and I took measurements of the proposed bridge site on the Selway River at the Pettibone ranch and I prepared a profile. The profile is attached to this memorandum.

Gravel and sand for concrete work can be had about 150 yards above the bridge site on the west side of the river. Plenty of country rock is available for masonry and pier filling.

It is probable that bed rock will be reached in 4 feet at the point indicated on the profile and this depth will at least bed the pier in massive boulders if not solid rock. There is no tendency here for the current to under cut, the water action being the opposite of this. By building an extra heavy pier and a shear wall it would be possible to make the bridge span 5 feet less than that indicated.

As a result of the high water channel and island (which is indicated on the accompanying sketch) water makes a straight shot at flood stage through the channel at the bridge site thereby eliminating possibility of drift lodging here. The situation could be further improved by shooting out three or four large rocks that are in the main channel above the bridge site.

Plenty of red fir and yellow pine is available for bridge timbers, though the skidding distance might be as much as ¾ miles for part of it. The ground is good to work on both in the timber and at the bridge site itself.

I would recommend that either a 95 foot wooden truss bridge be designed for use here, or a 100 foot suspension bridge, the cost of these should be about the same.

The pier on the west side should be of concrete or masonry built upon the solid rock base which is available. The east side might be a wooden pier anchored to a masonry or concrete foundation and loaded with rock.

Forest Supervisor

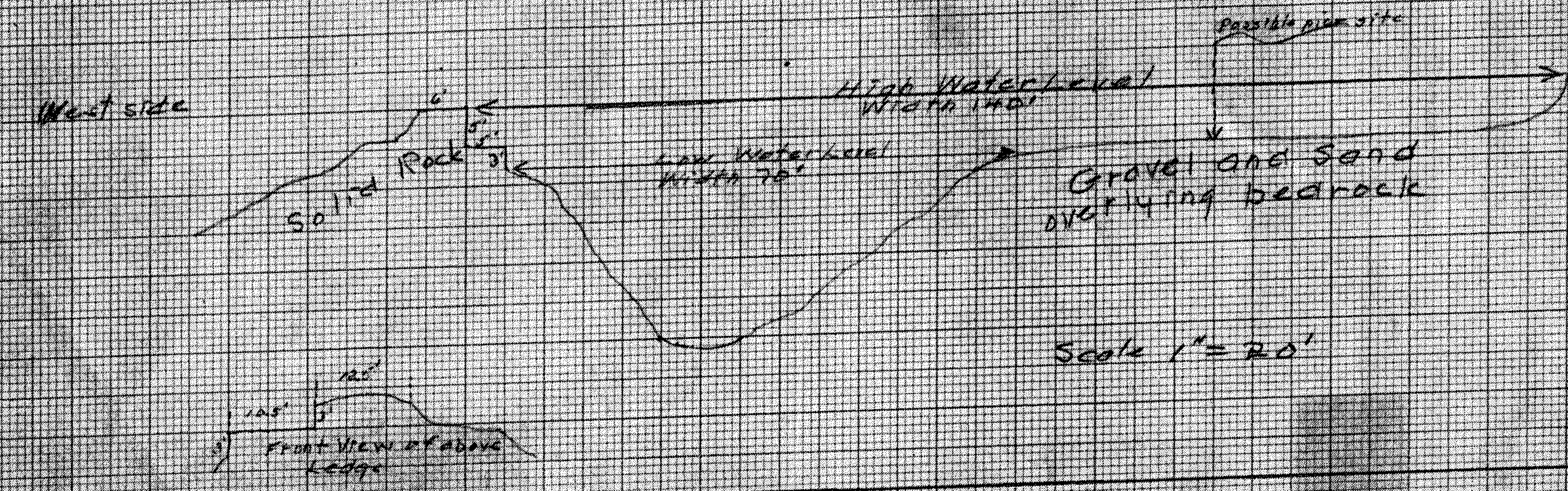
1-20-27

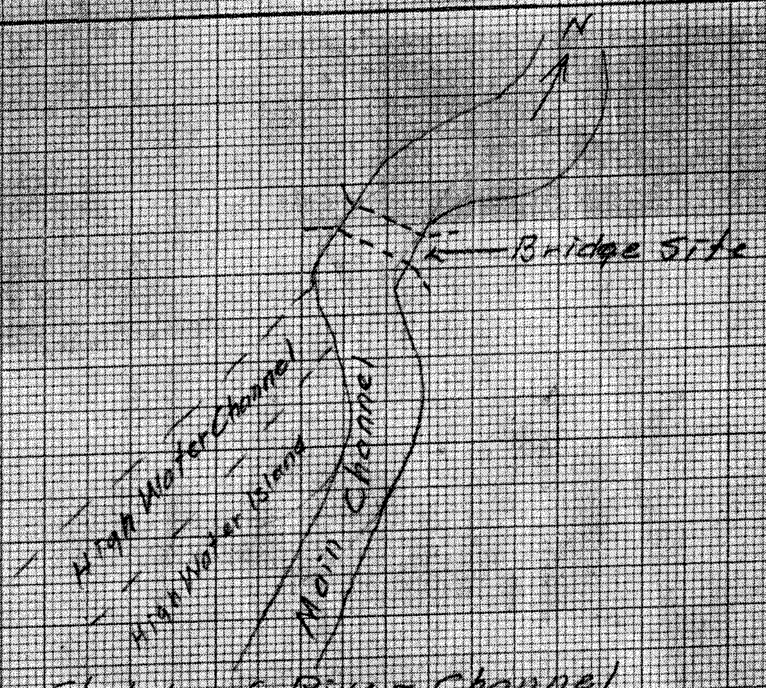
Believe by breaking up rock on west side a log pier can be used there.

GH.

Improvement-Selway
Pettibone Bridge

Profile of Pettibone Bridge Site across Selway River at Pettibone Ranch





Sketch of River Channel
at Proposed Bridge Site
Not on any scale

799. 1-18-27