



## RACCOON POINT RD FLOOD MITIGATION

2/1/2023

**Attn: Pat Hunt**

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### **Description:**

Janicki Logging & Construction (JLC) was contacted to mitigate a flooding issue on Racoon Point Road. During the flooding event of November 2021 the culverts that are currently under the road were blocked due to debris causing the water to flow south along the ditch line eventually blocking another culvert. At that point the water went across the road causing damage to the road and properties downstream.

### **Goal:**

To create a stream crossing sized appropriately based on the Geomorphic Assessment created on October 5, 2022 by Herrera. As well as keeping the integrity of Racoon Pt Rd, all utilities, and private driveways in the proximity of the crossing.

### **Solution:**

JLC recommends a 30'x20' modular steel bridge with precast concrete decking. This solution will meet the following requirements.

1. 12' wide bank full width – HPA requirement based on Herrera report
2. 20' bridge width – San Juan County requirement for private drive with multiple users
3. 3' vertical debris clearance – WSDOT requirement
4. HS-25 load rating – County Fire Department requirement

### **Conclusion:**

JLC will submit a quote to for the recommended 30'x20' bridge with the following line items:

1. Permitting/Consulting
2. Structure (including delivery)
3. Installation