



# Progress on DOT&PF Recovery from 2020 Storm

## DOT&PF Regionwide Program

Program Status	
Number of Projects	Estimated Construction Budget
19	\$34 M
FHWA Projects	FEMA Projects
9	10
Total Permanent Repair Projects	Total Emergency Repair Projects
145	28

On November 30, 2020, a week of record rainfall started in Southeast Alaska that led to widespread flooding and landslides.

By the end of the storm, Alaska Department of Transportation and Public Facilities (DOT&PF) roads in Juneau, Haines, Skagway, Hoonah, and Petersburg had sustained damage at 160 locations.



After the storm subsided, DOT&PF conducted emergency repairs on numerous sites that sustained roadway damage, washed out culverts, filled drainage

DOT&PF is delivering permanent repairs to damage sites in the 5 communities. Many of the damaged sites are eligible for Federal Highway Administration (FHWA) Emergency Relief funding and Federal Emergency Management Agency (FEMA) Public Assistance. Funding for each federal agency is based on the functional classification of a road, with FHWA funding roads designated as major collector and above, and FEMA funding all smaller roads. Damage sites are grouped into projects for permanent repair. Total permanent repair costs are expected to exceed \$34 million across the region.



Slope erosion at Dyea Road MP 2.3.

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## DOT&PF Skagway Projects

All emergency repairs and debris cleanup work has been completed in Skagway. DOT&PF is working through the FEMA and FHWA reimbursement processes for related costs.

DOT&PF is developing designs for permanent repairs that will return storm-

- Grouping damage sites for permanent repair according to location, type of damage, or complexity of repair;
- Conducting geotechnical and other site investigations to determine repair needs;
- Assessing site eligibility for FEMA and FHWA disaster funding reimbursement; and
- Designing repair plans.



DOT&PF has 9 permanent repair sites in Skagway and on Dyea Road and the Klondike Highway.

### Skagway Airport Site

The debris removal site at the Skagway airport does not require permanent repairs.

Dyea Road damage sites have been stabilized with temporary embankment fill and berms to redirect water away from the roadway. Traffic cones are in place to direct drivers away from damage sites.

Currently, most of Dyea Road is in similar condition as before the storm, though several short sections of the road are narrowed because of the damage.

M&O continues to monitor the road condition. FEMA is funding the upkeep of the damaged sites until permanent repair is completed.

The permanent repairs will not look drastically different to drivers than emergency repairs, however, they will address engineering issues such as erosion at culvert outlets and settlement of the outside edge of the southbound lane. The repairs will restore the road to its full width, add structural resiliency in some areas, and replace several culverts that failed during the floods.

Permanent repair work for Dyea Road sites began in fall 2021 with geotechnical investigations and preliminary design. Due to the large number of repair sites on Dyea Road and the complexity of repairs, design is expected to be completed in June 2022. The damage sites will be grouped into one construction project. The project is expected to go out to bid in mid-summer after the FEMA project development process is complete.

DOT&PF will be working with the community to determine a construction timeline and traffic control that minimized traffic impacts. Construction could start as early as Fall 2022 with some winter shutdown and completion in 2023.

### **Klondike Highway Site**

Permanent repairs on Klondike Highway at MP 4.1 are expected in 2023. These repairs include culvert and shoulder work and embankment repair.

### **Contact Information**

**Joel Osburn**  
DOT&PF Project Manager  
(907) 465-4409

**DOT&PF 2020 Storm Recovery**  
c/o HDR

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Public Liaison  
(907) 205-6573

Kenai, Alaska 99502

[info@ak2020stormrecovery.com](mailto:info@ak2020stormrecovery.com)

Website

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