


TRANSMITTAL MEMORANDUM

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TO: The Honorable Mayor & City Council Initials:   
FROM: Delilah A. Walsh, City & General Manager File #: MGR24-596  
DATE: September 13, 2024 Mtg. #: 09/19/24 MRd  
RE: **Landslide Expense Status Report**

### Summary

This report provides an estimated breakdown of the expenses incurred by the City of Ketchikan in response to and recovery from the landslide that occurred on August 25, 2024. The total estimated response to response, cleanup and repair is **\$2,964,497**.

I would like to begin this report by expressing my sincere gratitude to the dedicated crews who worked tirelessly for fourteen days straight to complete the cleanup efforts following the devastating landslide. Their unwavering commitment and hard work were instrumental in mitigating the immediate risks and ensuring the safety of our community. We had staff in the field and behind desks working tirelessly to ensure our community was safe, with zero injuries. Every single State agency that was a part of the Emergency Operations Center (EOC), commented that in their experience across the State, this was the best-functioning and highly effective team they had seen.

The costs listed below do not reflect those borne by the community or other agencies to assist displace residents, feed work crews or offering replacement food, clothing and supplies. It also does not include the costs of State EOC and DOT team members who were on site.

### Response and Cleanup Costs (\$2 million)

The immediate response to the landslide required a significant allocation of resources. The following expenses were incurred:

- **Emergency Services:** Deployment of fire crews, police officers, and emergency medical personnel to assess the situation and provide immediate assistance to affected residents.
- **Debris Removal:** Contracting with specialized companies to clear debris from roadways, homes, and public areas, including the removal of hazardous materials like fuel oil.
- **Demolition:** Public Works contracted to demolish three homes deemed unsafe and a public safety hazard. The Fire Department personnel entered those homes to remove as many personal belongs as possible.
- **Site Stabilization:** Measures to remove dangerous trees, log limited areas and apply hydroseed for soil reinforcement.

A rough order of magnitude for response for each division is as follows:

- **Public Works: \$1.6 million** for debris removal and making the site safe. This does not include safety fencing or started repairs on our infrastructure, we anticipate at least another \$100,000 to repair our sidewalks and roads.
- **KPU Telecommunications: \$119,000.** This estimate includes labor and materials for response and repair. Please note that we could not replace copper connections and had to make several new fiber drops to restore services.
- **KPU Electric: \$105,000.** This includes approximately \$35,000 for replacement materials and \$70,000 for overtime wages
- **Administration & Professional Services: \$100,000.** This includes hotel rooms for on-site inspectors, professional services by Landslide Technologies and the lost vehicle book value. This does not include any salaried staff expenses as they would not have received overtime wages.
- **KPD Overtime Wages: \$4,973**
- **KFD Overtime Wages: \$11,577**
- **Solid Waste: \$63,947.** This includes landslide cleanup debris for KPU as well as three homes.

### Infrastructure Repair Costs (\$960,000)

The landslide caused substantial damage to the City/KPU's infrastructure. The estimated costs for repairs include road repair for the reconstruction of damaged roadways, including repaving and replacement of utilities, and utility repair or replacement of damaged water, sewer, and stormwater lines is as follows by division

- **Third Avenue - \$100,000:** I am estimating this amount for the installation of safety fence, guard rails and sidewalk repairs. This does not include full replacement of sidewalk panels.
- **Second Avenue & White Cliff - \$860,000.** City engineers have inspected and assessed damage to this area. We will need to replace water, sewer and storm drain conduit and rebuild a section of retaining wall. The cost by division is estimated as follows:

Water	\$ 149,270.36
Wastewater	\$ 156,216.61
Streets	\$ 554,852.73
Shared	\$ 860,339.70

I have included the full engineering estimated breakdown below.

**Second Avenue & White Cliff Rehabilitation**

By: K.Miller 9/13/2024

DESCRIPTION	UNITS	QTY	UNIT PRICE	TOTAL COST
Mobilization	LS	1	\$ 75,000.00	\$ 75,000.00
Survey	LS	1	\$ 15,000.00	\$ 15,000.00
Trraffic Control	LS	1	\$ 20,000.00	\$ 20,000.00
Remove Structures & Obstructions	LS	1	\$ 90,000.00	\$ 90,000.00
Asphalt Paving	TN	140	\$ 330.00	\$ 46,200.00
Grading	SY	563	\$ 19.00	\$ 10,697.00
Sidewalk	SY	134	\$ 195.00	\$ 26,130.00
Curb & Gutter	LF	540	\$ 180.00	\$ 97,200.00
Guardrail	LF	100	\$ 150.00	\$ 15,000.00
Retaining Wall	LS	1	\$ 75,000.00	\$ 75,000.00
Water Conduit 6"	LF	240	\$ 250.00	\$ 60,000.00
Connect to Existing	EA	2	\$ 10,000.00	\$ 20,000.00
Water Service	EA	5	\$ 3,000.00	\$ 15,000.00
Water Valve	EA	2	\$ 3,000.00	\$ 6,000.00
Sewer Conduit 8"	LF	260	\$ 250.00	\$ 65,000.00
Sewer Bypass	LS	1	\$ 10,000.00	\$ 10,000.00
Connect to Existing	EA	2	\$ 7,500.00	\$ 15,000.00
Sewer Service	EA	3	\$ 3,500.00	\$ 10,500.00
Clean Out	EA	1	\$ 2,600.00	\$ 2,600.00
Manhole	EA	1	\$ 2,600.00	\$ 2,600.00
Storm Drain Conduit - 12"	LF	160	\$ 180.00	\$ 28,800.00
Storm Drain Conduit - 24"	LF	170	\$ 300.00	\$ 51,000.00
Headwall	LS	1	\$ 15,000.00	\$ 15,000.00
Catch Basin	EA	4	\$ 2,600.00	\$ 10,400.00

10%

<b>Subtotal</b>	<b>\$ 782,127.00</b>
<b>Contingency</b>	<b>\$ 78,212.70</b>
<b>Total</b>	<b>\$ 860,339.70</b>

## Outside Funding Sources

We have contacted our insurance company and our infrastructure is not covered by any City insurance policies. Therefore, we will explore various funding sources to cover these expenses, including:

- **State Grants:** I have filed two separate requests for Public Assistance with the State Division of Homeland Security & Emergency Management (DHSEM). I am currently completing the Preliminary Damage Assessment (PDA) paperwork under the following categories:
  1. Emergency Work
    - Category A – Debris Removal
    - Category B - Emergency Protective Measures
  2. Permanent Work
    - Category C – Roads and Bridges
    - Category D – Water Control Facilities
    - Category E – Buildings and Equipment
    - Category F – Utilities

Costs incurred in responding or recovering from a declared event are considered eligible for reimbursement under the Public Assistance Program if they are reasonable and necessary to accomplish the work and compliant with State and local procurement procedures. This is why it was particularly important for the City Council to declare a local disaster.

- **Federal Disaster Assistance:** If the State is not able to support the disaster response, the Governor may apply for a federal disaster declaration. It is the Governor, not the local government, who completes this process through the DHSEM and FEMA to make the request to the President within 30 days of the incident. This is why it is important that I devote time to completing all PDA paperwork this week.

## City Self-Funding

The City is responsible for the costs of this disaster and must carry that financial burden until reimbursement is received. To that end, I have implemented the following mitigation efforts.

I have frozen \$650,000 in capital improvements in Public Works to ensure we have funds available for the disaster within the current budget cycle. This is \$450,000 and \$200,000 to come from the Cemetery and Building Maintenance Capital Improvement Program, respectively.

Finance staff is also exploring the possibility of a short-term loan from the Port Fund to cover additional expenses.

This report is preliminary and our goal is to recognize all expenses, qualify for State Public Assistance and prepare all documentation for possible federal assistance.