

CITY COUNCIL REGULAR SESSION

Resolution ratifying the December 4, 2019 Emergency Declaration of the City Manager for the emergency 2442 West Lake Sammamish Pkwy SE Sinkhole Repair to address the open sink hole and uncontrolled flow of water and sediment resulting from a failed stormwater pipe which poses a hazard and safety risk to the public, and ratifying the first elements of emergency work to be performed by Road Construction Northwest, Inc.

Nav Ota, Director, 452-2041

Linda De Boldt, Assistant Director of Engineering, C452-4625

Utilities Department

EXECUTIVE SUMMARY

This Resolution ratifies the emergency 2442 West Lake Sammamish Pkwy SE Sinkhole Repair.

RECOMMENDATION

Move to adopt Resolution No. 9713

BACKGROUND/ANALYSIS

On November 25, 2019, Utilities staff identified an emergency need to replace a failed 24-inch storm drain and to repair a sinkhole that had developed as a result of the failed storm drain. This storm drain was originally installed in 1970 in unincorporated King County and was later annexed into the City in 2001. The storm drain is a corrugated metal pipe (CMP) that conveys stormwater flows to Lake Sammamish from both West Lake Sammamish Parkway SE and a drainage area to the west of West Lake Sammamish Parkway SE.

This portion of the storm drain system is within an easement on the private property of 2442 West Lake Sammamish Parkway SE. Upon video investigation, Utilities Operations and Maintenance crews determined the bottom of the 24-inch CMP had eroded away, allowing sediment to be transported and water to escape into the surrounding soil. The uncontrolled flow of water and sediment caused the formation of the original sinkhole. Replacement of the storm drain was deemed necessary in conjunction with repair of the sinkhole and restoration of the ground above it.

On December 4, 2019 in an effort to expedite the repair, the City of Bellevue issued a "Declaration of Emergency" (attached) that allowed the City to immediately contract with a construction company to perform the repair. City staff worked with a contractor, Road Construction Northwest, Inc., to negotiate an emergency construction contract to include grading and placement of rock for slope stabilization, installation of a temporary stormwater bypass pumping system, replacement of the damaged stormwater pipeline, manhole and catch basin structures, and construction of other associated appurtenances. The contract amount for these repairs is \$266,180, which includes 10 percent Washington State sales tax. A notice to proceed was issued on December 16.

Shortly thereafter, a major storm event occurred on December 20 – 22, which caused significant stormwater flows to further destabilize the slopes, resulting in slope material, such as dirt and vegetation, to wash downhill and deposit along the Lake Sammamish shoreline. This major storm event

has increased the size and scope of the emergency repair and restoration work. Staff are currently working on a second emergency declaration to augment the December 4 emergency declaration; this will include information on the major storm event and the additional damage resulting from that storm.

As a result of this storm, the project scope has grown and now consists of the following elements:

1. Replacing the stormwater conveyance pipe and manhole structure;
2. Stabilizing and restoring the slope;
3. Dredging soil that was deposited in the lake to re-establish dock functionality for impacted property owners; and
4. Coordinating with the Sammamish Beach Club to determine how the community improvements, that were damaged by the storm and failure of the stormwater drain will be restored.

Construction of the first part of the project has commenced in order to mitigate the risk of further damage from new storm events. Project design and cost estimating work for the whole project is in progress on an expedited time frame. Staff will bring final scope and cost information to Council as soon as it is available, as well as a request for Council to ratify the second emergency declaration that is currently being drafted to cover the December 20 -22, 2019 storm event.

POLICY & FISCAL IMPACTS

Policy Impact

Utilities Department policies

- The Utility shall identify drainage capital projects that prevent or reduce flooding or property damage, protect or improve water quality, and maintain or improve the reliability and integrity of the drainage system.

Utilities Department practice

- Rehabilitate or replace deteriorated elements of the storm drainage system to ensure that utility customers are provided with consistent and reliable service. CIP Plan No. D-64 has been designated to do this.

Bellevue City Code

- In accordance with RCW 39.04.280, 39.80.060; WAC 197-11-880; BCC 4.28.130.A.7, and 22.02.050, the City Manager or his designee may declare an emergency exists, allowing the award of all necessary contracts on behalf of the city to address the emergency, provided that written findings are entered into the record demonstrating that an emergency situation exists requiring the waiver of normal procedures related to public works capital projects and procurements. as well as the State Environmental Policy Act (SEPA). The director or her designee is authorized to execute contracts for the procurement of materials, equipment, supplies, services and public works necessary to replace the failed/failing pipe and repair the sinkhole in an expedited time frame.

Fiscal Impact

The construction of the first project element, replacement of the stormwater conveyance pipe and manhole structure and slope stabilization, commits the City to an initial payment of approximately

\$250,000. Additional project elements are being developed concurrently, to restore damaged slopes, plus mitigate the sedimentation of beach areas along Lake Sammamish resulting from the storm flows. Costs for this work will be presented to Council when available. The project will be funded through the Storm System Conveyance Repairs and Replacement Program (CIP Plan No. D-64). There are sufficient funds available in the 2019-2025 CIP Budget to fund this contract.

OPTIONS

1. Adopt the Resolution ratifying the December 4, 2019 Emergency Declaration of the City Manager for the emergency 2442 West Lake Sammamish Pkwy SE Sinkhole Repair to address the open sink hole and uncontrolled flow of water and sediment resulting from a failed stormwater pipe which poses a hazard and safety risk to the public, and ratifying the first elements of emergency work to be performed by Road Construction Northwest, Inc.
2. Do not adopt the Resolution and provide alternative direction to staff.

ATTACHMENTS & AVAILABLE DOCUMENTS

- A. Vicinity Map
 - B. CIP Project Description
 - C. Declaration of Emergency
- Proposed Resolution No. 9713

AVAILABLE IN COUNCIL LIBRARY

N/A