



KENAI PENINSULA BOROUGH

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MIKE NAVARRE
BOROUGH MAYOR

MEMORANDUM

TO: Blaine Gillman, Assembly President
Members, Kenai Peninsula Borough Assembly

THRU: Mike Navarre, Mayor *MN*
Craig Chapman, Finance Director *C Chapman*
Valentina Sustaita, Purchasing and Contracting Director *V Sustaita*

FROM: Dan Mahalak, Water Resource Manager *DM*

DATE: August 11, 2016

SUBJECT: Ordinance 2016-19⁰⁵, An Ordinance Appropriating \$30,000 From The Seward/Bear Creek Flood Service Area Fund Balance To Take Corrective Action On Sediment Management Under And Adjacent To Forest Road Bridge Spanning Lost Creek Near Seward Alaska.

River training practices upstream of Bridge No. ("BN") 1838 on Forest Road crossing Lost Creek consist of a man-made channel and bank practice utilizing river run materials. These materials are easily transported by seasonal flows, which compromise the earthen embankments containing Lost Creek. Breakouts of the creek soon follow and alternate stream paths result adjacent to BN 1838 rendering it useless. The adjacent area around and under the bridge is known to accrue sediment over time.

The recent storm event, in conjunction with already high flows due to seasonal snowmelt in early July 2016, reached a flow rate that moved significant amounts of sediment. These sediments were then deposited after the flows diminished. The freeboard of BN 1838 to channel bottom is now about three feet, which is not ideal for expected discharges from Lost Creek.

The last sediment management project in the vicinity occurred in the winter of 2012 to 2013, when sediment was removed to a depth of much greater than three feet below the bridge. The total cost of that project, which included removing debris from the drainage easement and six borough-owned parcels, was \$258,000. The Seward Bear Creek Flood Service Area faces a large number of ongoing mitigation projects with a limited fund balance. The SBCFSA Board approved a motion at its July 11, 2016 regular meeting to take corrective action as recommended with expenditures from the service area fund balance of up to \$30,000. Additionally, the Road Service Area ("RSA") is considering contributing funds to this project to protect RSA infrastructure.

Your consideration of this ordinance is appreciated.

FINANCE DEPARTMENT
ACCOUNT / FUNDS VERIFIED

Acct. No. 259.27900 FB

Amount \$30,000.00

By: pp

Date: 8/11/16