# MEMORANDUM

**To:** Mayor McConnell and Assembly Members
Jay Sweeney, Interim Municipal Administrator

**From:** Michael Harmon, P.E., Public Works Director
Stan Eliason, Harbormaster
Dan Tadic, P.E., Senior Engineer DT

**Cc:** Stephen Weatherman, P.E., Municipal Engineer
Mellissa Cervera-Bean, Contract Coordinator
Mike Middleton, Interim Finance Director

**Date:** June 3, 2013

**Subject:** Crescent Harbor Water Line Replacement

## Background

Crescent Harbor provides moorage for 365 vessels ranging in length from 17 feet to 75 feet. One (1) 3 inch diameter service line provides water to the harbor via the water main within Lincoln Street. Based on archive drawings it appears that this service line was constructed in 1965-66 along with the first phase of the harbor development.

Per the Harbor System Master Plan (2012), Crescent Harbor – 1965 Era is scheduled to be replaced in 2016. However, during a routine inspection completed in early 2013 it was discovered that the water service to Crescent Harbor is in dire need of replacement (see attached photos). Due to the advanced state of corrosion and the fact that the new Sea Walk will soon be constructed over this deteriorated pipe, it is in the best interest of the City to replace the service line in its entirety immediately.

## Analysis

Public Works Engineering, Water Department, Streets Department and Harbor Staff have worked collaboratively to develop a solution to the problem. The intent is to install a new 6 inch diameter water service from the Lincoln Street water main to the harbor to include a backflow preventer and meter inside an above ground "hotbox" to be located adjacent to the transformer and approach dock; similar to the current configuration at Thomsen Harbor. Under this plan, the Harbor Department would contract with the Sea Walk General Contractor (CBC Construction, Inc.) to excavate, bed, backfill, pour a concrete pad for the hotbox and patch the parking lot to allow the CBS Water Department to install the pipe and accessories. The Streets Department would provide traffic control for the tie-in work.

The work will be completed this summer before the Sea Walk is constructed in the immediate vicinity of the water line. A closure of the small west parking lot will be required for a period of four to five days. A public notice will be advertised in advance of the closure.

**Fiscal Note**

A bond from the Alaska Municipal Bond Bank was obtained to assist with the ongoing ANB Harbor Replacement project in order to keep sufficient undesignated working capital for unforeseen needs that arise such as this one or the ~$70K repairs that were completed to the Sitka Transient Float (aka Thomsen Harbor Floating Breakwater) last fall. It is imperative that funds are available not only to address the capital projects identified in the Harbor System Master Plan, but also to make unforeseen repairs as the needs manifest.

A budget level estimate of $60,000 was prepared for this work to include materials, labor, and project management and contingencies. This work would be paid for out of the Harbor Fund Undesignated Working Capital. Assembly approval of this memorandum will authorize the Finance Director to make the necessary budget adjustments.

**Recommendation**

**Authorize the Administrator to transfer $60,000 from the Harbor Fund Undesignated Working Capital to Capital Project Crescent Harbor Water Line Replacement (Proj. No. 90751) and complete the necessary repairs immediately.**

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