



## CITY OF KIRKLAND

### Department of Public Works

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#### MEMORANDUM

**To:** Kurt Triplett, City Manager

**From:** David Snider, P.E., Capital Projects Manager  
Ray Steiger, P.E., Public Works Director

**Date:** April 19, 2012

**Subject:** 2012 REPLACEMENT OF AGING / FAILING INFRASTRUCTURE  
JUANITA TRIBUTARY (BILLY CREEK) CULVERT SLIP LINING PROJECT  
AWARD CONTRACT

#### **RECOMMENDATION:**

It is recommended that City Council award a contract to Pacific Northwest Earthworks, LLC, Fall City, Washington, in the amount of \$151,251.26 for Schedules B and C on the 2012 Replacement of Aging / Failing Infrastructure –Juanita Tributary (Billy Creek) Culvert Slip Lining Project.

#### **BACKGROUND DISCUSSION:**

This Project will improve an existing 30-inch corrugated metal pipe (CMP) culvert that is showing significant structural deficiencies and has surpassed its useful life. The Project is located in the North Juanita Neighborhood where Billy Creek, a tributary of Juanita Creek, enters the existing CMP at a cul-de-sac on NE 124<sup>th</sup> Place, west of 98<sup>th</sup> Avenue NE (Attachment A). The flow of Billy Creek continues through the culvert before out-falling into Juanita Creek, near NE 124<sup>th</sup> Street. The Annual Replacement of aging/failing infrastructure program receives \$200,000 per year in funding.

As designed in 2011, the entire project consists of three Schedules involving a combination of culvert replacement through open-cut trenching methods together with a form of culvert repair known as slip-lining. Slip-lining installs a plastic liner within existing CMP.

The Washington Department of Fish and Wildlife issued a Hydraulic Project Approval (HPA) permit in 2011 which covered last year's efforts as well as this season's work on schedules B and C. The work on schedules B and C must be performed during the HPA approved "fish-window" of July 1 through August 31, 2012.

At their regular meeting of May 17, 2011, and at staff's recommendation, City Council opted to award Schedule A (as shown in Attachment A) and authorized a re-bid for Schedules B and C under the 2012 Program. Schedule A was completed during the summer of 2011.

With an engineer's estimate of \$169,123 for both schedules B and C, staff advertised for contractor bids on March 21. On April 12, 2012 six bids were received with Pacific Northwest Earthworks being determined to be the lowest responsive bidder, based on the Total Bid, as shown in the summary below:

<b>Contractor (with tax)</b>	<b>Schedule B</b>	<b>Schedule C</b>	<b>Total Bid</b>
<b>Pacific Northwest Earthworks</b>	<b>\$55,506</b>	<b>\$95,746</b>	<b>\$151,251</b>
<i>Engineer's Estimate</i>	<i>\$63,335</i>	<i>\$105,788</i>	<i>\$169,123</i>
NW New Construction & Excavating	\$70,945	\$80,581	\$151,526
Buno Construction	\$76,212	\$103,603	\$179,815
Award Construction Inc.	\$81,972	\$147,862	\$229,834
Westwater Construction Co.	\$110,058	\$120,598	\$230,657
Road Construction Northwest	\$97,225	\$152,608	\$249,833

Including the funds remaining from the 2011 Project, the available funding for the 2012 Project is \$278,230 (Attachment B).

With City Council's award of Schedules B and C for the 2012 Replacement of Aging Infrastructure Project, work will begin in July and be complete by the end of August, 2012. In advance of construction Public Works staff will notify adjacent property owners through contacts with the North Juanita Neighborhood Association. Staff will also send a construction informational mailer directly to nearby residents providing Project timelines and pertinent contact information.

Attachments: (2)



# 2012 Aging Infrastructure Replacement Juanita Tributary (Billy Creek) Culvert Slip Lining Project

## Project Budget Report

