



CITY OF KIRKLAND

Department of Public Works

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MEMORANDUM

To: Kurt Triplett, City Manager

From: Patrick Herbig, P.E., Project Engineer
David Snider, P.E., Capital Projects Manager
Kathy Brown, Public Works Director

Date: October 8, 2015

Subject: COCHRAN SPRINGS / LAKE WASHINGTON BOULEVARD CROSSING
ENHANCEMENT PROJECT – REJECT ALL BIDS

RECOMMENDATION:

It is recommended that City Council take the following actions;

- Reject all bids received for the Cochran Springs/Lake Washington Boulevard Crossing Enhancement Project (Project),
- Authorize staff to re-advertise the Project in the fall of 2015, and
- Receive a Project budget update with required additional funding being managed through the 2015 – 2020 Capital Improvement Program process.

By taking action on this memo during approval of the consent calendar, City Council is rejecting all prior bids received for the Project and authorizing staff to re-advertise the Project for contractor bids.

BACKGROUND DISCUSSION:

The Cochran Springs/Lake Washington Boulevard (LWB) Crossing Enhancement Project will replace a pair of existing culverts with a new concrete box culvert where Cochran Springs Creek crosses beneath LWB (Attachment A). The intended outcome of the Project is to reduce sediment loading at the crossing and to improve fish passage. The Creek experiences high levels of sedimentation deposits during heavy rain events, which in turn causes impeded culvert capacity for the conveyance of water under LWB. In the past, this impeded flow has resulted in a Creek overflow across LWB with localized flooding within the Yarrow Bay Business Park, downstream of the crossing. The planned box culvert will also serve to improve fish passage resulting in increased fish and wildlife access to approximately 375 feet of breeding and rearing habitat.

The Project consists of replacing two 24-inch diameter concrete culverts with a single 15-foot wide by 7-foot deep concrete box culvert spanning the 128-foot width of LWB. The new culvert will have a permanent in-line sediment trap to allow maintenance crews greater access for the routine removal of sediment, the goal of reducing annual maintenance resource needs and costs. At a minimum, the Project also requires the lowering of existing Kirkland Water System 12-inch and 8-inch water mains in order to accommodate the new box culvert.

There are several franchise utilities that will also be required to relocate their facilities prior to the start of the culvert replacement. Staff has coordinated the improvement design and project schedule with Verizon Business/Comcast joint fiber optic duct bank, Puget Sound Energy, Frontier Communications fiber optic duct bank, and the ZayoGroup, LLC/Level 3/City of Kirkland fiber optic duct bank.

April 2015 Bid Results

With an engineer's estimate of \$956,499, staff first advertised for contractor bids on March 26, 2015. On April 9, 2015, five bids were received with Rodarte Construction, Inc. submitting the low bid, as shown in the summary below:

Contractor	Schedule A	Schedule B	Total Bid
<i>Engineer's Estimate</i>	\$935,169	\$21,330	\$956,499
<i>Rodarte Construction, Inc.</i>	\$1,077,531	\$111,210	\$1,188,741
Olson Brothers Excavation	\$1,107,950	\$97,250	\$1,205,200
Taylor's Excavators	\$1,187,789	\$136,520	\$1,324,309
Road Construction NW	\$1,361,815	\$118,020	\$1,479,835
Westwater Construction, Inc.	\$1,633,865	\$89,200	\$1,723,065

At the time of the original bid, the budget for the Project was \$1,637,000, as approved by City Council with the adoption of the 2014 Revision to the 2013 – 2018 CIP on December 9, 2014. The entire project is funded from the City's Surface Water Utility. The original scope and approved budget contained a water adjustment line item (Schedule B) for what was considered to be "deminimus" water main adjustment work necessitated by the installation of the new box culvert.

With a low bid that was well above the Engineer's Estimate, several discussions took place with the bidding contractors. As a result of those discussions, the engineer and staff were made aware that an apparent contractor risk involving the relocation of all of the various utilities, when combined with certain material procurement lead times and the meeting permit requirements of the "fish window" schedule resulted in higher than estimated bid pricing. Consequently, staff pursued a Project budget revision through the current 2015 - 2020 CIP process. In addition, as an outcome of the 2014 Water Comprehensive Plan, it was determined that more extensive water system upgrades would be a prudent course of action and staff took a second opportunity through the 2015 – 2020 CIP process to introduce a more extensive water system upgrade project to be constructed concurrent with the culvert Project.

Proposed 2015 – 2020 CIP Project Adjustment

The net result of the coincident Water System upgrade was the creation of a separate water project (CWA 0162). This new water project received City Council pre-approval at the August 3, 2015 meeting and will be formally adopted through the 2015 -2020 CIP adoption scheduled for December 8, 2015. Through the current CIP process, the proposed revised surface water Project budget has increased from \$1,637,000 to \$1,970,000 for culvert enhancements, plus \$260,000 for the pre-approved water system improvements. The result is a proposed new combined Project budget of \$2,230,000 (Attachment B).

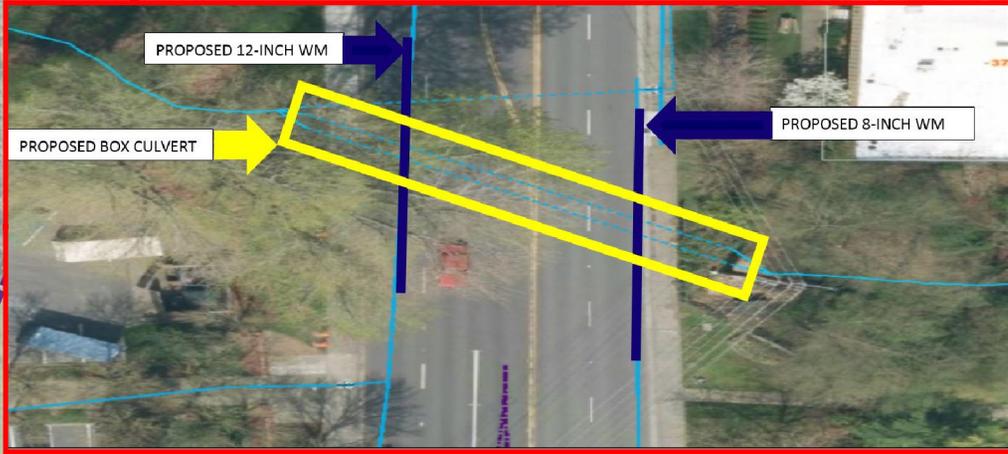
Conclusion

With the peak 2015 construction season now coming to a close, staff is recommending re-advertising the subject Project in October, 2015. As noted above, past conversations with the original bidders revealed a sense of apprehension surrounding the multiple utility relocation coordination activities, certain material procurement lead times, and a (at that time) tight construction schedule in order to meet a July to September 2015 "fish window" for work in Cochran Springs. In order to mitigate these issues, a fall re-advertisement will give all prospective bidders a greater level of confidence in their project sequencing and overall timing which, in turn, should result in an increased number of bidders with more competitive contractor bid prices received.

It should be noted that the 2015-2020 Proposed CIP includes the new water system improvements and the culvert enhancements as two separate and discreet CIP projects. Although the projects are two separate and distinct scopes, the bid package will include both, allowing one contractor to complete all required work seamlessly in this constrained right-of-way. Project accounting will be kept separately between the two scopes.

With City Council approval of the recommendations above, staff will return to City Council at the December 8 meeting with additional Project details, including a temporary Lake Washington Boulevard detour and a recommendation for award.

Attachments A – Vicinity Map
Attachment B – Project Budget Report



Legend

- Detour
- City Limits



PROJECT LOCATION

**PLANNED
DETOUR ROUTE
(28 DAYS)**

**VICINITY MAP
Cochran Springs/Lake Washington**



**LAKE WASHINGTON BOULEVARD/COCHRAN SPRINGS CROSSING
ENHANCEMENT (CSD - 0048 & CWA - 0162)
PROJECT BUDGET REPORT**

Attachment B

