

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Motion to award Bid No. 11084 for Coal Creek Parkway – SE 48th Place Storm Water Outfall Repair, to B & B Utilities & Excavating, LLC, as lowest responsible and responsive bidder in the amount of \$133,495.83 (CIP Plan No. D-64).

FISCAL IMPACT

Awarding this bid commits the City to payment of \$133,495.83. This contract is fully funded through the Utility's Storm Water System Conveyance Infrastructure Rehabilitation (CIP Plan No. D-64). This amount is approximately 26.2% below the Engineer's Estimate due to a favorable bidding climate due to the economy. Sufficient funds exist to fund this contract.

STAFF CONTACT

Mike Jackman, Interim Deputy Director, 452-6012

Wes Jorgenson, Assistant Director, 452-4887

Utilities Department

POLICY CONSIDERATION

The City's drainage system is a network of streams, lakes, pipelines, storm water detention, and water quality facilities. Ongoing goals for the system include managing high stream flows and flooding; limiting stream bank erosion; replacing undersized and/or deteriorating pipelines; reducing sedimentation and other water quality problems; and preserving aquatic wildlife habitat. In order to meet these goals, the utility needs to invest resources as necessary to ensure that the storm drainage system infrastructure is designed, constructed and rehabilitated to remain in operation to prevent flooding, erosion and property damage during major storm events. CIP Plan No. D-64 has been designated to do this.

BACKGROUND

This project is designed to repair an eroded outfall and corroded storm drain pipe under Coal Creek Parkway near SE 48th Place, that could threaten Coal Creek Parkway if left unaddressed. The project will fill the eroded hole on the downstream side of Coal Creek Parkway to protect the roadway embankment. The 24-inch culvert will be repaired using a "trenchless" method that does not require excavating the roadway. The pipe will also be extended down the embankment to the toe of the slope to discharge in a stilling-well energy dissipater to prevent future erosion. Four trees that need to be removed to construct the repair will be used to create habitat and stabilize the outlet channel. When construction is completed, the site will be restored with native vegetation.

Bids were opened on May 17, 2011 and are as follows:

B & B Utilities & Excavating

\$133,495.83

Tastad Construction, Inc.	153,913.20
Realm, Inc.	192,077.29
Road Construction Northwest, Inc.	229,750.16

Engineer's Estimate **\$181,000**

To the best of staff's knowledge, all factors that normally contribute to construction expense have been accounted for in the plans and in the Engineer's Estimate. It is our experience that construction projects of this type usually result in some amount of field changes. Such claims are rigorously reviewed and only those that are clearly necessary to accomplish the intent of the contract, but have somehow not been provided for, will be paid.

EFFECTIVE DATE

If adopted, the award of this bid will become effective immediately.

OPTIONS

1. Award Bid No. 11084 for Coal Creek Parkway – SE 48th Place Storm Water Outfall Repair, to B & B Utilities & Excavating, LLC, as lowest responsible and responsive bidder in the amount of \$133,495.83 (CIP Plan No. D-64).
2. Award contract to another bidder, if low bidder is rejected.
3. Reject all bids and re-bid at a later date.

RECOMMENDATION

Adopt Option No. 1, award Bid No. 11084 for Coal Creek Parkway – SE 48th Place Storm Water Outfall Repair, to B & B Utilities & Excavating, LLC, as lowest responsible and responsive bidder in the amount of \$133,495.83 (CIP Plan No. D-64).

References have been checked and the contractor has the resources and experience necessary to successfully complete this project.

MOTION

Move to award Bid No. 11084 for Coal Creek Parkway – SE 48th Place Storm Water Outfall Repair, to B & B Utilities & Excavating, LLC, as lowest responsible and responsive bidder in the amount of \$133,495.83 (CIP Plan No. D-64).

ATTACHMENTS

- Vicinity Map
- CIP Project Description

520

520

405

90

80

405

LAKE WASHINGTON

LAKE SAMMAMISH

PROJECT SITE



N.T.S.

----- CITY OF BELLEVUE CITY LIMITS

VICINITY MAP

**COAL CREEK PARKWAY
SE 48TH PL OUTFALL REPAIR
C.I.P. NO. D-64**

FY 2011 - FY 2017 Capital Investment Program

D-64 Storm Water System Conveyance Infrastructure Rehabilitation

Category: Storm Drainage
Department: Utilities

Status: Ongoing
Location: Various locations throughout the City

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2011 Budget	FY 2012 Budget	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget
13,984,296	7,840,000	777,920	809,037	841,425	875,085	910,092	946,444	984,293

Description and Scope

This ongoing program rehabilitates or replaces defective storm drainage pipelines and ditches identified in the Utility's condition assessment program or other means. Projects are prioritized based on the severity of deterioration, the risk and consequence of failure, and coordination with planned street improvement projects. As the system ages, costs are expected to increase. The Utilities' Asset Management Program is evaluating when system replacement will require significant increases to the budget.

PROJECT NEED: System Renewal & Replacement

Rationale

Much of the storm pipe network was built before pipe material and construction standards were in place, so there is only limited information about when pipes were installed, their size and composition. Bellevue owns almost 400 miles of stormwater conveyance pipe, with limited information available to predict how long it will last. Of particular concern is corrugated metal pipe, which can completely corrode away in as little as 20 years, or if properly maintained last longer than 50 years. Pipe collapse or blockage can result in washed-out roads, flooded homes, environmental damage, and traffic disruption. This program provides for repair or replacement of defective stormwater conveyance pipes, culverts and ditches, to prevent such consequences. It proactively repairs pipes under arterials in advance of street resurfacing, saving costs and minimizing disruption. It also focuses on critical pipes where the consequences of failure would be significant.

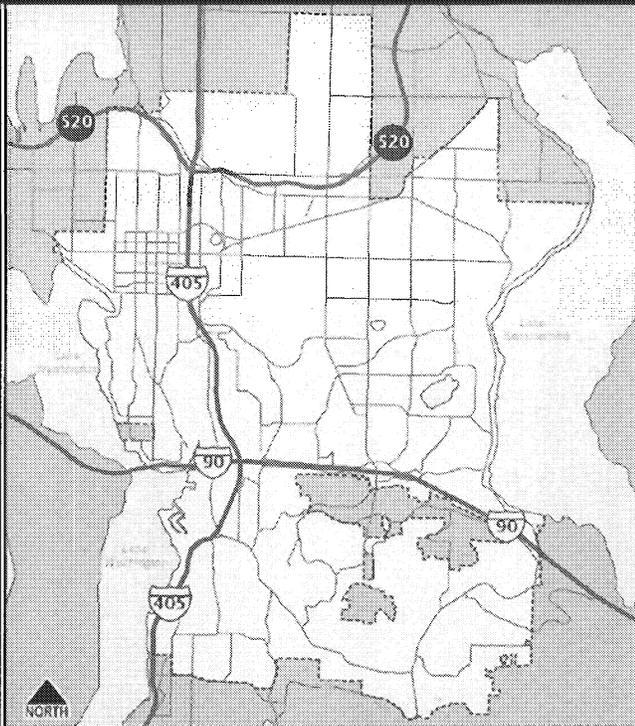
Environmental Impacts

The environmental impacts will be determined for each specific project.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures, since it replaces or repairs existing facilities.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	1995 - Ongoing	13,984,296
Total Budgetary Cost Estimate:		13,984,296

Means of Financing

Funding Source	Amount
Charges for Services	5,000
Judgements/Settlements	33,000
Miscellaneous Revenue	696,036
Utility Rates/Fees	13,250,260
Total Programmed Funding:	13,984,296
Future Funding Requirements:	0

This project will be located throughout the city.