

CITY COUNCIL REGULAR SESSION

Motion to award Bid No. 20055, 2020 Guardrail Replacement Program (CIP Plan No. PW-R-46) to Peterson Brothers, Inc. as the lowest responsible and responsive bidder, in the amount of \$119,492.82, plus all applicable taxes.

Andrew Singelakis, Director, 452-6468
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Transportation Department

EXECUTIVE SUMMARY

This Motion will award Bid No. 20055 to Peterson Brothers, Inc. for the 2020 Guardrail Replacement Program.

RECOMMENDATION

Move to award Bid No. 20055, 2020 Guardrail Replacement Program to Peterson Brothers, Inc.

BACKGROUND/ANALYSIS

This project provides for construction of three new guardrail systems, to replace three non-compliant guardrail systems that are currently in place. Project scope includes removal and disposal of existing noncompliant systems and other miscellaneous work items such as site restoration.

The project is a result of the City of Bellevue's Clear Zone Safety program's annual evaluation. The program outlines the guidelines and practices used in establishing priorities for new installations, providing maintenance/upgrade to existing systems, and removal of existing non-compliant guardrail. This process is intended to produce an annual list of projects while allowing for prioritization based on other influencing factors such as available budget and resources.

Guardrail and end treatments are used to prevent vehicles from hitting fixed objects along the roadside and to minimize the severity of a road departure type of crash including rollover on a steep embankment. The latest practice is to use modern hardware and current guidelines on guardrails to reduce the severity of a collision.

In most cases, requests for improvements are proposed by either City of Bellevue staff or through public inquiries. As for this project, the existing guardrail system on Northup Way near NE 8th Street is being extended as a direct result of residents' action in the Brookview Estates neighborhood. The residents with yards backing up to Northup Way have experienced recent incidents involving vehicles losing control, rolling over and colliding with the fence and trees adjacent to their property lines.

All candidate locations identified for review are placed on the "Guardrail Program Summary Sheet". These candidates are then scored and prioritized based on criteria as outlined in the "Clear Zone Evaluation Worksheet".

The guardrail program also establishes an engineering review, uniformity, and consistency in the maintenance/upgrade of existing guardrail systems in the City of Bellevue. All maintenance and repair of existing systems are to be evaluated against current AASHTO and WSDOT guidelines. Engineering judgment, which considers current guidelines and methods, ultimately determines the extent and method of repair performed and the type of guardrail installed.

Following verification of bid submittals, the bids received were as follows:

Peterson Brothers, Inc.	\$119,492.82
Coral Construction Company	\$166,678.00
Dirt & Aggregate Interchange, Inc.	\$169,900.00
Engineer's Estimate	\$130,000.00

To the best of our knowledge and professional judgment, all factors that typically contribute to construction expenses have been accounted for in the Plans, Specifications and Estimate. Based on our experience, projects of this type may result in some field changes. All claims are rigorously reviewed and only those that are clearly necessary to accomplish the intent of the contract, but have not previously been provided for, will be paid.

POLICY & FISCAL IMPACTS

Policy Impact

Comprehensive Plan

- Policy TR-53. Maintain and enhance safety for all users of the roadway network.
- Policy TR-61.2. Develop a programmatic approach to Vision Zero that integrates components of Education, Encouragement, Enforcement, Engineering, Equity and Evaluation.
- Policy TR-61.3. Design and manage streets to foster safe and context appropriate behavior of all roadway users.

Fiscal Impact

Awarding this bid will obligate the City to \$119,492.82, plus all applicable taxes, to construct three new guardrail systems. This amount is approximately 8 percent under the Engineer's Estimate, due to very favorable current bidding climate. Sufficient funding exists in the 2019-2025 CIP Traffic Safety Improvements Program (CIP Plan No. PW-R-46) to fully fund this contract.

OPTIONS

1. Award Bid No. 20055, 2020 Guardrail Replacement Program (CIP Plan No. PW-R-46) to Peterson Brothers, Inc. as the lowest responsible and responsive bidder, in the amount of \$119,492.82 plus all applicable taxes.
2. Award the bid to the next lowest bidder if the low bidder is not responsive.
3. Reject all bids and provide alternative direction to staff.

ATTACHMENTS & AVAILABLE DOCUMENTS

- A. Vicinity Map

B. CIP Project Description (PW-R-46)

AVAILABLE IN COUNCIL LIBRARY

Final Design Plans