

CITY COUNCIL REGULAR SESSION

Motion to award Bid No. 19040 Lakemont Boulevard SE Repairs and 164th Avenue SE and SE Newport Way Mini-Roundabout (CIP Plan Nos. PW-M-1, PW-M-19, PW-R-198, P-R-11 and W-16) to Active Construction, Inc. as the lowest responsible and responsive bidder, in the amount of \$1,532,532, plus all applicable taxes. This project is partially funded by the Neighborhood Safety, Connectivity and Congestion Levy.

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Transportation Department

EXECUTIVE SUMMARY

This motion will award Bid No. 19040 to Active Construction, Inc. for the Lakemont Boulevard SE Repairs and 164th Avenue SE and SE Newport Way Mini-Roundabout.

RECOMMENDATION

Move to award Bid No. 19040 for Lakemont Boulevard SE Repairs and 164th Avenue SE and SE Newport Way Mini-Roundabout to Active Construction, Inc.

If approved, effective date: 06/03/2019

BACKGROUND/ANALYSIS

This project combines restoration work and improvements at the two following locations in one construction contract. Combining the work of these close proximity locations provides the City with cost savings because of favorable bid prices with a larger construction contract, and administering one construction contract instead of two. Also, combining the work into one contract results in a more coordinated traffic control management between the locations, which decrease the impacts to the traveling public.

Lakemont Boulevard SE Repairs

On December 3, 2018, Council approved Ordinance No. 6445 adopting the 2019-2025 CIP which included the Overlay Program (CIP Plan No. PW-M-1) and the Major Maintenance Program (CIP Plan No. PW-M-19). These programs are intended to address maintenance needs, pavement restoration, bridge maintenance, walkway failures, electrical upgrades and other safety repair work that exceed the financial capacity of the Transportation Department's operating budget.

This project will maintain the existing roadway infrastructure by repairing the roadway foundation at two locations along Lakemont Boulevard SE.

The existing roadway at Lakemont Boulevard SE and Newcastle Golf Club Road is supported by a large embankment constructed in the mid-1960's. In the winter of 2015, a significant amount of settlement occurred in the southbound travel lane. A geotechnical investigation determined that the primary factor for the ground deformation is saturation of the loose embankment soils. This project will remove the loose soils and reconstruct the embankment slope to structurally stabilize the roadway.

The existing roadway at Lakemont Boulevard SE and Lewis Creek Crossing is supported by a bridge. Cracking has been observed in the bridge and has worsened after further monitoring. A bridge load rating investigation determined that the roadway fill above the bridge is overweight and exceeding the bridge's load capacity. This project will remove and reconstruct the roadway foundation with lightweight geofoam blocks to alleviate the load of the roadway and meet the bridge's designed loading capacity. The project is also partnering with the Parks Department to replace an existing irrigation system within project limits.

164th Avenue SE and SE Newport Way Mini-Roundabout

On November 8, 2016, Bellevue voters approved a proposition to fund transportation neighborhood safety, connectivity and congestion improvements. The Neighborhood Safety, Connectivity and Congestion Levy included voter approved funding for six main focus areas including neighborhood congestion reduction, safety, sidewalks, bicycle facilities, Intelligent Transportation Systems (ITS), and maintenance.

SE Newport Way is an important connection for residents living south of I-90. It is also a cut-through route for motorists when the freeway is congested. The existing stop-controlled intersection at 164th Avenue SE and SE Newport Way causes traffic to back up during the afternoon peak hour. When this occurs, drivers cut through nearby neighborhood streets, such as 163rd Avenue SE.

Traffic studies determined that removing the all-way stop control and constructing a mini-roundabout at this intersection would address the eastbound congestion issues that occurs during the afternoon peak hour and improve traffic flow on SE Newport Way.

To minimize cost and maximize efficiency, this project is also partnering with the Utilities Department to remove and replace existing Asbestos Cement (AC) water main pipes at this intersection with ductile iron pipes.

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

Active Construction, Inc.	\$1,532,532
Westwater Construction Company	\$1,867,302
Engineer's Estimate	\$1,380,320

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 Estimates. 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-2. Strive to reduce congestion and improve mobility.
- Policy TR-39. Design, maintain, and protect the transportation system to be resilient to disaster.
- Policy TR-53. Maintain and enhance safety for all users of the roadway network.
- Policy TR-54. Ensure that maintenance of the existing transportation system be given priority consideration.
- Policy UT-1. Manage utility systems effectively to provide reliable, sustainable, quality service.
- Policy UT-2. Build and manage city-owned utility infrastructure assets to reduce the likelihood of risks to public safety, property and environment, and disruption due to asset failure.
- Policy UT-10. Emphasize cost effective management of city utility systems over their lifetime, including planning for their renewal and replacement, balancing risk, and maintaining desired service levels. Forecast future capital and maintenance costs and manage rates so that customer rate revenue funds the cost of ownership equitably across generations.

Sound management practice—Major Maintenance Program

- This project responds to one of the City's primary responsibilities for public safety and minimizes the City's liability by preserving transportation infrastructure.

Fiscal Impact

Awarding this bid will obligate the City to \$1,532,532, plus all applicable taxes, for the repair of the roadway foundations along Lakemont Boulevard SE (CIP Plan Nos. PW-M-1, PW-M-19 and P-R-1), construction of a mini-roundabout at 164th Avenue SE and SE Newport Way (CIP Plan No. PW-R-198), and replacement of the AC water main at 164th Avenue SE and SE Newport Way (CIP Plan No. W-16). This amount is approximately 11 percent above the Engineer's Estimate.

Sufficient funding exists in the 2019-2025 CIP through the following programs:

CIP Plan No.	Description	Amount
PW-R-198	Neighborhood Congestion Management (Levy)	\$573,094
PW-M-1	Overlay Program	455,480
PW-M-19	Major Maintenance Program	298,426
W-16	Small Diameter Water Main Replacement	115,752
P-R-11	Renovate & Refurbish Park Facilities	89,780
Total Funding		\$1,532,532

OPTIONS

1. Award Bid No. 19040, Lakemont Boulevard SE Repairs and 164th Avenue SE and SE Newport Way Mini-Roundabout project (CIP Plan Nos. PW-M-1, PW-M-19, PW-R-198, and W-16) to Active Construction, Inc. as the lowest responsible and responsive bidder, in the amount of \$1,532,532, 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-M-1)
- C. CIP Project Description (PW-M-19)
- D. CIP Project Description (PW-R-198)
- E. CIP Project Description (W-16)
- F. CIP Project Description (P-R-11)

AVAILABLE IN COUNCIL LIBRARY

Final Design Plans