

**CITY COUNCIL REGULAR SESSION**

Motion to award Bid No. 21004, SR520 Bicycle Corridor Safety Improvements (CIP Plan Nos. PW-R-199, PW-W/B-56, PW-R-46) to NPM Construction Co. as the lowest responsible and responsive bidder in the amount of \$353,844.50, plus all applicable taxes. This project is partially funded by the Neighborhood Safety, Connectivity and Congestion Levy.

Andrew Singelakis, Director, 452-6468  
Chris Long, Acting Assistant Director, 452-6013  
Chris Iverson, Senior Transportation Engineer, 452-6461  
*Transportation Department*

**EXECUTIVE SUMMARY**

This Motion will award Bid No. 21004 to NPM Construction Co. for the SR520 Bicycle Corridor Safety Improvements project.

**RECOMMENDATION**

Move to award Bid No. 21004 for SR520 Bicycle Corridor Safety Improvements to NPM Construction Co.

**BACKGROUND/ANALYSIS**

The City's 2009 Pedestrian and Bicycle Transportation Plan lists the City's "Bicycle Priority Corridors", five east/west and six north/south, that together create a network of safe, comfortable, and direct cross-city connections. Various project recommendations listed in the 2009 Plan make up these 11 Bicycle Priority Corridors. During plan development, the Transportation Commission ranked the 520 Trail (identified as EW-1) as one of five Bicycle Priority Corridors with a "high" level rating.

In 2015, the Washington State Department of Transportation (WSDOT) completed the Eastside Transit and HOV Project. Among other improvements, this project completed a 2.1-mile section of SR520's regional trail between Evergreen Point in Medina to the intersection of 108<sup>th</sup> Avenue NE and Northup Way. Also, in 2015, Council awarded bids to advance the Northup Way Connection to SR520 Trail Project. In conjunction with WSDOT, this multimodal project received federal funding and reconstructed Northup Way between 108<sup>th</sup> Avenue NE and NE 24<sup>th</sup> Street with new pavement surfaces, curb and gutter, sidewalks, and dedicated bike lanes. This project provided a new on-street bike route connection between the newly constructed segment of the SR520 Trail and an existing segment of the SR520 Trail east of NE 24<sup>th</sup> Street.

In December 2017, WSDOT completed the SR520 Floating Bridge, which included the opening of the SR520 Floating Bridge Trail. This connected Seattle to segments of the SR520 Trail recently constructed by WSDOT's Eastside Transit and HOV Project. City staff reviewed trail user counts in both 2017 and 2018 and found a 140 percent year-over-year increase in trail usage.

In Fall 2018, City staff met on-site with a group of bicyclists along the corridor to review safety and operational deficiencies along the now heavily traveled SR520 Trail route. In November 2018, staff met

with representatives from WSDOT and the City of Redmond to discuss potential solutions at key locations. City crash reports showed an uptick in vehicle-bicycle collisions in key locations along this route.

In Spring 2019, City staff expanded project scope to include an interim bikeway connection that will connect the SR520 Trail to the Eastrail, as well as a new trail along the frontage of the Sound Transit Operations and Maintenance Facility East (OMFE). The interim bikeway will exist along Northup Way between NE 24<sup>th</sup> Street and 120<sup>th</sup> Avenue NE, as well as along 120<sup>th</sup> Avenue NE south of Northup Way. The 2020 Pavement Overlay project added the interim bikeway along 120<sup>th</sup> Avenue NE.

The scope of this project includes the following:

- Northup Way and 108<sup>th</sup> Avenue NE
  - Restripe Northup Way to add bike box for westbound bicyclists.
  - Add westbound-to-northbound right turn pocket for vehicles.
  - Reconstruct curb ramps on south side of Northup Way.
  - Add green pavement markings to increase cyclist visibility.
- Northup Way and NE 24<sup>th</sup> Street
  - Add bike signal for eastbound riders.
  - Repurpose second eastbound lane on Northup Way underneath SR520 bridge to complete interim bikeway on 120<sup>th</sup> Avenue NE.
  - Repurpose second westbound lane on Northup Way underneath SR520 bridge to extend westbound bike lane.
- 148<sup>th</sup> Avenue NE and NE 29<sup>th</sup> Place
  - Add bike signal & bicycle waiting features for new diagonal bike crossing through intersection.

This project is partially funded by the Neighborhood Safety, Connectivity and Congestion Levy approved by voters in November 2016. As noted in the motion, funds from numerous programs are contributing to this project. This was a deliberate effort to consolidate construction impacts to the public while achieving goals stated in each program.

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

NPM Construction Co.	\$353,844.50
Active Construction, Inc.	\$373,373.00
Kamins Construction	\$418,956.15
Award Construction, Inc.	\$432,519.50
Westwater Construction Co.	\$453,755.00
<b>Engineer's Estimate</b>	<b>\$579,965.00</b>

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-53. Maintain and enhance safety for all users of the roadway network.
- Policy TR-61.3. Design and manage streets to foster safe and context appropriate behavior of all roadway users.
- Policy TR-103. Promote and facilitate walking and bicycling.
- Policy TR-104. Implement the Pedestrian and Bicycle Transportation Plan.
- Policy TR-116.1. Strive to provide separation between motorized vehicles, pedestrians, and bicyclists, as feasible, reasonable and appropriate to the context, while maintaining adopted level of service standards for all modes.

**Fiscal Impact**

Awarding this bid will obligate the City to \$353,844.50, plus all applicable taxes, to construct enhanced bicycle facilities, modified traffic signals, and miscellaneous safety improvements at key locations along the SR520 Trail on-street bicycling route (CIP Plan Nos. PW-R-199, PW-W/B-56, PW-R-46). This amount is approximately 39 percent below the Engineer’s Estimate.

Sufficient funds exist in the 2021-2027 CIP through the following programs:

CIP Plan No.	Description	Amount
PW-R-199	Neighborhood Safety and Connectivity (Levy)	\$200,000.00
PW-W/B-56	Pedestrian and Bicycle Access and Connections	83,844.50
PW-R-46	Traffic Safety Improvements	70,000.00
Total Funding		<u>\$353,844.50</u>

**OPTIONS**

1. Award Bid No. 21004, SR520 Bicycle Corridor Safety Improvements (CIP Plan Nos. PW-R-199, PW-W/B-56, PW-R-46) to NPM Construction Co. as the lowest responsible and responsive bidder in the amount of \$353,844.50, 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)
- C. CIP Project Description (PW-R-199)
- D. CIP Project Description (PW-W/B-56)

**AVAILABLE IN COUNCIL LIBRARY**

Final Design Plan