

**CITY COUNCIL AGENDA ITEM**  
CITY OF SHORELINE, WASHINGTON

<b>AGENDA TITLE:</b>	Authorize the City Manager to Execute a Construction Contract with Doolittle Construction, LLC in the Amount of \$398,200 for the 2021 Bituminous Surface Treatment project
<b>DEPARTMENT:</b>	Public Works
<b>PRESENTED BY:</b>	Tricia Juhnke, City Engineer
<b>ACTION:</b>	<input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Discussion <input type="checkbox"/> Public Hearing

**PROBLEM/ISSUE STATEMENT:**

The Annual Road Surface Maintenance Program (ARSM) conducts road preservation projects that slow the deterioration and extend the lifespan of Shoreline’s roadways. The program employs two pavement preservation methods: Bituminous Surface Treatment (BST, also called chip seal) and hot-mix asphalt overlays. BST is cost-effective and efficient and is generally applied to residential streets, while asphalt overlays are applied to arterial streets.

Between April 20<sup>th</sup> and May 25<sup>th</sup>, 2021, the City solicited for contractors to conduct the 2021 BST Project as Bid #9914. Two bids were received, and Doolittle Construction, LLC submitted the lowest responsive bid of \$398,200. The engineer’s estimate for this project is \$799,750, based on higher, 2019, unit pricing for similar materials. If approved, construction is anticipated to start in late July 2021.

Staff is requesting that the City Council authorize the City Manager to execute a contract with Doolittle Construction, LLC for construction of the 2021 BST Project in the amount of \$398,200.

**RESOURCE/FINANCIAL IMPACT:**

This project is fully funded by the City’s Annual Road Surface Maintenance (ARSM) fund. Below is a breakdown of the budget for the 2021 BST Project:

<b>Project Expenditures:</b>	
Staff and other Direct Expenses	\$ 80,000
Construction ( <i>This Contract</i> )	\$398,200
<b>TOTAL</b>	<b>\$478,200</b>
<b>Project Revenue:</b>	
Vehicle License Fees	\$478,200
<b>TOTAL</b>	<b>\$478,200</b>

**RECOMMENDATION**

Staff recommends that the City Council authorize the City Manager to execute a construction contract with Doolittle Construction, LLC, in the amount of \$398,200 for the 2021 Bituminous Surface Treatment Project.

Approved By:           City Manager ***DT***   City Attorney ***MK***

## **BACKGROUND**

The Annual Road Surface Maintenance Program (ARSM) conducts road preservation projects that extend the lifespan of Shoreline's roadways. The program employs two pavement preservation methods: Bituminous Surface Treatment (BST, also called chip seal) and hot-mix asphalt overlays.

BST is a cost-effective and efficient treatment used on local streets that are still in good condition before they deteriorate and need more extensive/expensive rehabilitation. BST seals and protects the pavement surface and structure from water intrusion and sun damage, typically at 10 to 15-year intervals. Asphalt overlays are more expensive and typically are utilized on arterial streets. Overlays are used to renew the pavement structure of arterial streets at approximately 15 to 20-year intervals due to the arterials' higher traffic volumes and rates of wear. Typically, BST is performed in odd numbered years with overlays occurring in even numbered years.

## **ALTERNATIVES ANALYZED**

Between April 20<sup>th</sup> and May 25<sup>th</sup>, 2021, the City solicited for contractors to conduct the 2021 BST Project as Bid #9914. The engineer's estimate for the construction of this project is \$799,750. Staff has analyzed the bids and the engineer's estimate and found that the engineer's estimate was abnormally high because the 2019 unit pricing that was used for estimating was for similar, but more expensive materials.

Two bids were submitted for this project:

Sierra Santa Fe Corp.	\$449,448
Doolittle Construction, LLC	\$398,200

City staff has determined that the bid submitted by Doolittle Construction, LLC is responsive, and that Doolittle has met the City's requirements. If this contract is approved, construction is anticipated to start in late July 2021.

The alternative is to not award the contract in which case the work would not be performed, and the roadway condition would continue to deteriorate. This alternative is not recommended.

## **COUNCIL GOAL(S) ADDRESSED**

This project addresses Council Goal #2: Continue to deliver highly valued public services through management of the City's infrastructure and stewardship of the natural environment. This project will address this goal by applying preventative maintenance to City roadways. This extends the lifespan of the pavement thereby reducing the need for more costly pavement replacement.

## **RESOURCE/FINANCIAL IMPACT**

This project is fully funded by the City's Annual Road Surface Maintenance (ARSM) fund. Below is a breakdown of the budget for the 2021 BST Project:

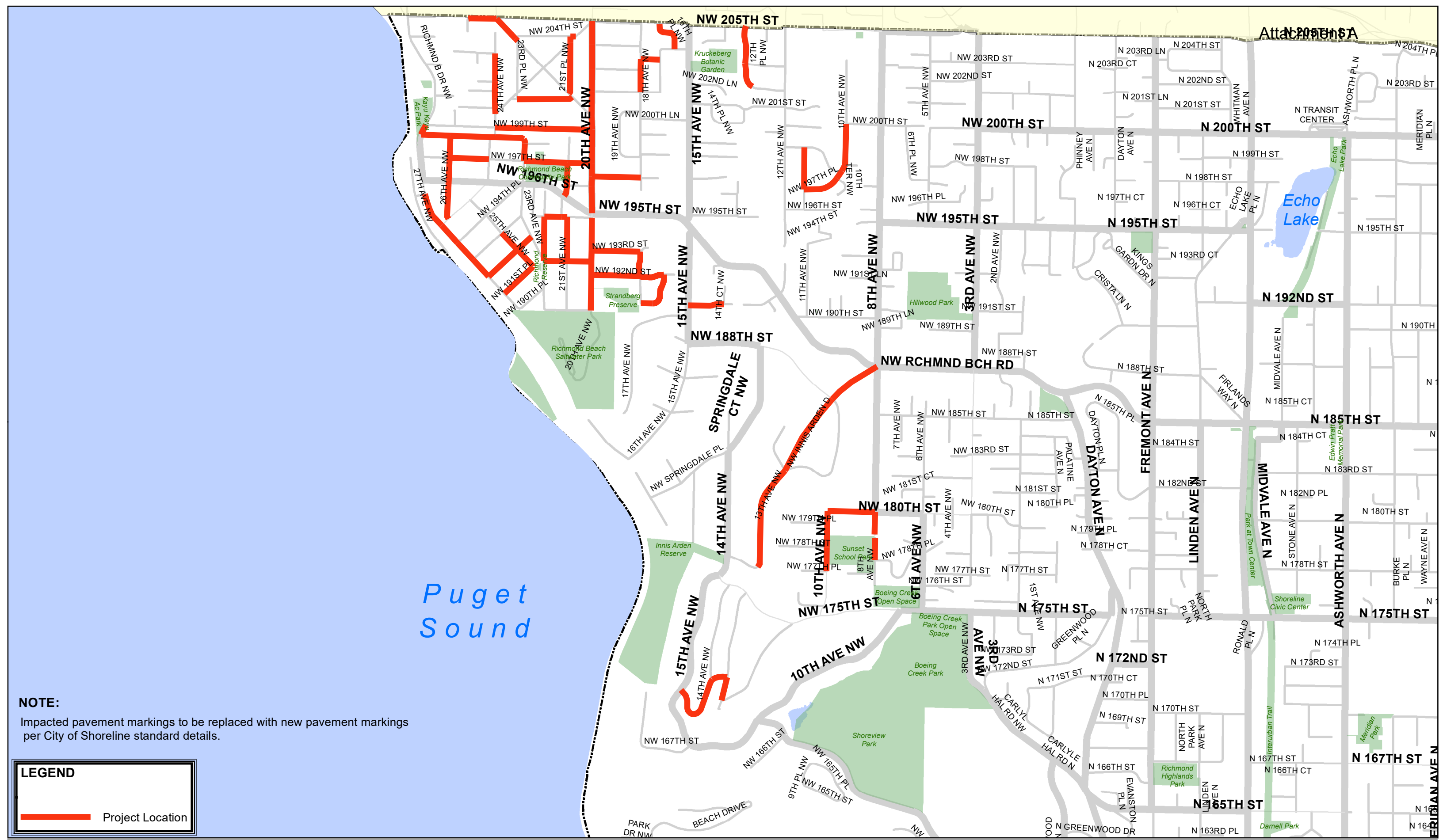
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**ATTACHMENTS**

Attachment A – 2021 BST Project Map



**NOTE:**  
 Impacted pavement markings to be replaced with new pavement markings per City of Shoreline standard details.

**LEGEND**

 Project Location

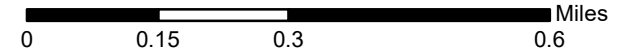


## 2021 BITUMINOUS SURFACE TREATMENT (ADDENDUM 2)

This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.

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Path: G:\PWORKS\ENGINEERING\CIP Projects\2021 Bituminous Surface Treatment Project\300 Design\2021 BSTAddendum.mxd



Date: 5/15/2021  
 Author: Malmarof