



BUSINESS OF THE CITY COUNCIL CITY OF MERCER ISLAND

AB 5881
June 1, 2021
Consent Calendar

AGENDA BILL INFORMATION

TITLE:	AB 5881: 2021 Arterial and Residential Street Overlays Bid Award	<input type="checkbox"/> Discussion Only
RECOMMENDED ACTION:	Award the construction project and direct the City Manager to execute the construction contract	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

DEPARTMENT:	Public Works
STAFF:	Jason Kintner, Chief of Operations Clint Morris, Street Engineer
COUNCIL LIAISON:	n/a
EXHIBITS:	1. Project Location Map
CITY COUNCIL PRIORITY:	n/a

AMOUNT OF EXPENDITURE	\$ 1,346,559
AMOUNT BUDGETED	\$ 2,085,000
APPROPRIATION REQUIRED	\$ 0

SUMMARY

The 2021 Arterial and Residential Street Overlays is the combination of arterial and residential street paving locations in one construction contract for hot mix asphalt (HMA) paving this summer. The project includes asphalt overlay of 1.3 miles of East Mercer Way and residential street repaving in one south-Island neighborhood (Exhibit 1). Combining similar asphalt paving projects together into one contract makes the larger project more attractive to bidders and reduces the City's costs to oversee and manage the work.

Project design work began in February of this year. Final plans, specifications, and cost estimates were completed in mid-April and the project was then advertised for bids. Four contractor bids were received, and the construction contract is ready to award.

PROJECT DESCRIPTION

The project has been divided into two schedules, as described below.

Schedule 'A' is the repair and resurfacing of East Mercer Way from SE 53rd Place to the 6600 block. This stretch of arterial was last repaved in 1992. In 2019, Pavement Condition Index (PCI) ratings for this portion of East Mercer Way ranged from the bottom of the "Satisfactory" bracket to the bottom of the "Fair" bracket. The

pavement exhibits significant areas of raveling (loss of the aggregate), age cracking, fatigue cracking, and settlement. The roadway has been patched numerous times since 2010 and was crack sealed in 2016.

It is anticipated that the Island's arterial pavements have a life span of approximate 25-years. Most of East Mercer Way's 4.8-mile length received an HMA overlay 29 years ago (1992), and resurfacing projects have been included in the Six-Year Transportation Improvement Plan (TIP) since 2011.

The scope of work for the 2021 project (SE 53rd Place to the 6600 block) includes pavement repairs, preleveling of selected sections of lanes, and 2" HMA overlay of both lanes and the paved shoulder. "Preleveling" is a term that refers to a lower lift of asphalt paving which is placed to fill in low areas and correct irregularities in a roadway's profile and cross slope. Preleveling provides a more uniform surface over which a top lift or "wearing course" of asphalt paving can be placed. After repaving, new pavement markings will be applied, crushed rock will be placed along the shoulders, and utility castings will be adjusted to the grade of the new pavement. The engineer's estimated construction cost for the East Mercer Way overlay was \$835,459.

Schedule 'B' is residential street resurfacing on portions of SE 62nd and SE 64th Streets and 82nd and 83rd Avenues in the plat of Mercer Vista. These residential streets were originally constructed in the early 1960's. They received a chip seal in 1984 and HMA patching in 2008. Their 2019 PCI scores are "Fair", "Poor", and "Very Poor". Existing pavements on these streets are less than 4" thick and there are extensive areas of alligator cracking, utility patching, and settlement. The scope of work involves removal of most of the asphalt pavement at full street width, regrading of the crushed rock base, and repaving with 4" of new HMA. The engineer's estimated construction cost was \$381,635.

At completion of design, the total construction cost for both schedules of work was estimated to be \$1,217,094.

BID RESULTS AND AWARD RECOMMENDATION

Four construction bids for the project were received and opened on May 11, 2021. The lowest bid was received from Watson Asphalt Paving Company from Redmond, in the amount of \$1,063,567. Watson Asphalt has successfully completed numerous paving projects for the nearby cities of Bellevue, Clyde Hill, Kirkland, Redmond, and Sammamish in recent years, as well as paving the City of Mercer Island's 2018 SE 40th Street Corridor Improvement and 2018 Arterial and Residential Street Overlay projects. Staff's review of the Labor and Industries (L&I) website confirms that Watson Asphalt is a contractor in good standing, with no license violations, outstanding lawsuits, or L&I tax debt. Staff has confirmed Watson Asphalt Paving Company is the lowest responsible bidder and recommends awarding the 2021 Arterial and Residential Street Overlays contract. The bid results for the project are shown in the following table.

2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS BID RESULTS			
	Schedule A East Mercer Way	Schedule B Residential Streets	Total Bid Amount
Watson Asphalt Paving Company	\$750,803.00	\$312,764.00	\$1,063,567.00
Cadman Materials Inc	\$769,864.85	\$319,908.25	\$1,089,773.10
Lakeside Industries	\$789,283.00	\$334,894.00	\$1,124,177.00
Lakeridge Paving Company, LLC	\$840,466.00	\$355,264.50	\$1,195,730.50
Engineer's Estimate	\$835,459.00	\$381,635.00	\$1,217,094.00

Adding amounts to each schedule for construction contingency, design, inspection services, contract administration, and 1% for the Arts brings the project's total estimated cost to \$1,346,559. The following table summarizes these items, along with available budget amounts. Unspent budget from the East Mercer Way Overlay will be returned to the Street Fund balance. Unspent budget from the 2021 Residential Street Overlays will be moved to 2022 and used on a larger residential paving project in that year.

2021 ARTERIAL AND RESIDENTIAL STREET OVERLAYS PROJECT BUDGET			
Description	Arterial Overlay	Residential Overlays	TOTAL
Construction Contract			Award to Watson Asphalt
Schedule A - East Mercer Way Arterial Overlay	\$750,803		\$750,803
Schedule B - Residential Street Overlays		\$312,764	\$312,764
Total Construction Contract	\$750,803	\$312,764	\$1,063,567
Construction Contingency @ 10%	\$75,080	\$31,276	\$106,357
Project Design	\$48,000	\$21,000	\$69,000
Inspection Services	\$32,000	\$18,000	\$50,000
Contract Administration / Project Management	\$26,000	\$21,000	\$47,000
1% for the Arts	\$7,508	\$3,128	\$10,636
Total Project Cost	\$939,391	\$407,168	\$1,346,559
2021-2022 Budget - East Mercer Way Overlay	\$1,185,000		\$1,185,000
2021-2022 Budget - Residential Streets (annually)		\$900,000	\$900,000
Total Budget Available for Project	\$1,185,000	\$900,000	\$2,085,000
Budget Remaining	\$245,609	\$492,832	\$738,441

NEXT STEPS

Minor water system improvements and storm drainage repairs will be completed on East Mercer Way and on the residential streets under a separate public works contract. Additionally, a soldier pile retaining wall will be constructed at the 5600 block of East Mercer Way to repair a small landslide ([AB5871](#)), also under a separate contract. These two contracts are scheduled to be completed ahead of the paving work.

Construction activities on the 2021 Arterial and Residential Street Overlays contract are tentatively scheduled to begin in late June. Road work on East Mercer Way will occur primarily during July and August, to avoid school bus activity. All paving work is to be completed on East Mercer Way by the end of August, and the entire construction contract is required to be completed by early October.

RECOMMENDATION

Award Schedules 'A' and 'B' of the 2021 Arterial and Residential Street Overlays project to Watson Asphalt Paving Company in the amount of \$1,063,567.00. Set the total project budget to \$1,346,559 and direct the City Manager to execute the construction contract.