



BUSINESS OF THE CITY COUNCIL CITY OF MERCER ISLAND

AB 5695
June 2, 2020
Consent Calendar

AGENDA BILL INFORMATION

| | | |
|----------------------------|--|---|
| TITLE: | AB 5695: 2020 Watercourse Stabilization Project Bid Award | <input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed: |
| RECOMMENDED ACTION: | Award the 2020 Watercourse Stabilization Project to Green Earthworks Const. Inc. in the amount of \$160,864.79. Appropriate \$19,594.00 to the budgeted amount and set the total project budget at \$309,594.00. Direct the City Manager to execute the construction contract. | <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution |

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|-------------------------------|---|
| DEPARTMENT: | Public Works |
| STAFF: | Fred Gu, CIP Project Manager |
| COUNCIL LIAISON: | Lisa Anderl |
| EXHIBITS: | 1. Vicinity map |
| CITY COUNCIL PRIORITY: | 1. Prepare for the impacts of growth and change with a continued consideration on environmental sustainability. |

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| AMOUNT OF EXPENDITURE | \$ 309,594.00 |
| AMOUNT BUDGETED | \$ 290,000.00 |
| APPROPRIATION REQUIRED | \$ 19,594.00 |

SUMMARY

BACKGROUND

The 2020 Watercourse Stabilization Project combined two separate capital improvement projects into a single contract for construction. The two construction projects were advertised together to increase opportunities in the current bidding climate, minimize duplicate efforts in project management, and achieve economies of scale. The two individual projects (see Vicinity Map attached as Exhibit 1), as adopted in the 2017-2018 Capital Budget for initial design, and in the 2019-2020 Capital Budget for permitting, design development and construction are:

- Sub Basin 29.2 Watercourse Stabilization Project (as Schedule "A" of the combined project)
- Sub Basin 3b.4 Watercourse Stabilization Project (as Schedule "B" of the combined project)

Initial design began in late 2018. Due to anticipated in-water work, the project is required to obtain permit approvals from the United States Army Corps of Engineers ("USACE") and Washington State Department of Fish and Wildlife ("WDFW").

Due to the topography of the sites (especially for Schedule "A" which is located on a steep slope and has sustained vertical erosions) and regulatory requirements for permits, additional design efforts were needed. After a lengthy permitting process with USACE, Nationwide Permits ("NWP") for both sites were obtained in November 2019. WDFW's Hydraulic Project Approvals ("HPAs") for both sites were also obtained. A condition of the HPA is that in-water construction can only occur between June 16 and September 30 (also known as the approved fish-window).

A brief description of the work is outlined below:

- 1) Schedule "A" – Stabilize and control bank and severe channel erosion at downstream end of a broken culvert off West Mercer Way, for approximately 100 LF with streambed materials, logs, and native vegetation. The broken culvert section will be repaired and reconnected.
- 2) Schedule "B" - Stabilize and control bank and channel erosion at downstream end of the existing storm pipe outfall for approximately 80 LF with streambed materials, logs, ecology blocks, and native vegetation.

The project was advertised for bid in April 2020. Three bids were received on May 7, 2020.

| 2020 Watercourse Stabilization Project Bid Results | | | |
|---|---------------------|---------------------|---------------------|
| Bidder: | Schedule "A" | Schedule "B" | Grand Total |
| Green Earthworks Const. Inc. | \$103,451.54 | \$57,413.26 | \$160,864.79 |
| Accord Contractors, LLC | \$68,041.60 | \$96,844.00 | \$164,885.60 |
| Earthwork Enterprises Inc. | \$88,251.90 | \$134,299.00 | \$222,550.90 |
| Engineer's Estimates | \$74,118.00 | \$74,965.00 | \$149,083.00 |

The apparent low bid was submitted by the contractor, Green Earthworks Const. Inc. for \$160,864.79.

Green Earthworks Const. Inc. has completed a handful of similar watercourse stabilization projects for the City of Mercer Island, including the Sub Basin 27a.9 phase I and II projects recently completed in 2017. Some of the contractor's recent clients include Washington Department of Fish and Wildlife, Washington Department of Ecology, City of Tacoma, and Pierce County. Review of the Labor and Industries (L&I) website confirms the company is in good-standing with the State, with no license violations, outstanding lawsuits, nor L&I debt. Based on staff's review of the bid submittals and successful past performance for the City, Green Earthworks Construction is the low responsive and responsible bidder for the project.

PROJECT BUDGET

| 2020 Watercourse Stabilization Project Budget | | | |
|--|---------------------|---------------------|---------------------|
| 2020 Watercourse Stabilization Project | Schedule "A" | Schedule "B" | Total |
| Construction Contract | \$103,451.54 | \$57,413.26 | \$160,864.80 |
| Construction Contingency 5% | \$5,172.58 | \$2,870.66 | \$8,043.24 |
| Survey, Design and Construction Support Services | \$49,814.05 | \$26,822.95 | \$76,637.00 |
| Project Management/ Permitting | \$30,245.35 | \$29,303.61 | \$59,548.96 |
| Inspection Service | \$2,500.00 | \$2,000.00 | \$4,500.00 |
| Total Project Budget | \$191,183.52 | \$118,410.48 | \$309,594.00 |
| 2017-2018 Budget (Initial Design) | \$25,000.00 | \$15,000.00 | \$40,000.00 |
| 2019-2020 Budget (Permit, Design, Construction) | \$139,000.00 | \$111,000.00 | \$250,000.00 |
| Total Approved Budget | \$164,000.00 | \$126,000.00 | \$290,000.00 |

As shown in Table-2 on page 1, additional funding appropriation is needed to complete the project. The amount requested is \$19,594.00 from the Stormwater Fund.

The increase in the total project cost is likely due to the changes in the design per the Washington State Department of Fish and Wildlife's direction. Fortunately, the design team has a good working relationship with the permitting agencies and kept them aware of the project in the early design stage, which may have avoided additional changes during the final design stage.

There is available funding in the Stormwater Fund to cover the appropriation request. A recent stormwater project, Sub Basin 51a was completed in 2019 and had expenditure savings to cover the additional appropriation needs.

Due to the permit requirement, construction is anticipated to begin in early July 2020 and be completed before the fish-window closes.

RECOMMENDATION

Award the 2020 Watercourse Stabilization Project to Green Earthworks Const. Inc. in the amount of \$160,864.79, appropriate \$19,594.00 from the Stormwater Fund, set the total project budget at \$309,594.00, and direct the City Manager to execute the construction contract.