



**BUSINESS OF THE CITY COUNCIL
CITY OF MERCER ISLAND**

**AB 6401
February 6, 2024
Consent Agenda**

AGENDA BILL INFORMATION

TITLE:	AB 6401: Sunset Hwy and 77th Ave SE Intersection Improvements Project Closeout	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution
RECOMMENDED ACTION:	Accept the completed project and authorize staff to close out the contract.	

DEPARTMENT:	Public Works
STAFF:	Jason Kintner, Chief of Operations Clint Morris, Capital Division Manager
COUNCIL LIAISON:	n/a
EXHIBITS:	1. Project Location Map 2. Intersection Design Concept
CITY COUNCIL PRIORITY:	3. Make once-in-a-generation investments to update and modernize aging infrastructure, capital facilities, and parks.

AMOUNT OF EXPENDITURE	\$ 1,570,615
AMOUNT BUDGETED	\$ 1,594,568
APPROPRIATION REQUIRED	\$ 0

EXECUTIVE SUMMARY

The purpose of this agenda bill is to accept the completed Sunset Hwy and 77th Ave SE Intersection Improvements Project (SP0120) and authorize staff to close out the construction contract.

- This project constructed a raised concrete intersection with rapid rectangular flashing beacons (RRFBs) at the north and south crosswalks, new pedestrian median islands, bike lanes, ADA curb ramps, and minor landscaping.
- Design work occurred between October 2021 and August 2022. Construction occurred between January and June 2023.
- This project was included in the 2021-2022 Capital Budget and is funded from Sound Transit East Link Mitigation funds. At bid award, an appropriation of \$994,568 was requested from the Sound Transit East Link Mitigation funds.
- The total project cost was \$1,570,615 and came in \$23,953 under budget. Unspent project funds remain with unallocated Sound Transit East Link Mitigation resources.

BACKGROUND

The Sunset Hwy and 77th Ave SE Intersection Improvements project was included in the Transportation Improvement Program (TIP) in 2020 as one of several East Link Traffic Safety/Mitigation projects. The project

is located adjacent to the future East Link light rail station and the Mountains-to-Sound I-90 trail crosses 77th Ave SE on the north leg of the intersection (see Exhibit 1). The project enhances pedestrian safety at these major crossings that connect walking and bicycle routes between the East Link station, the Mountains-to-Sound I-90 Trail, and Mercer Island Town Center.

Design work on the project began in October 2021. The project limits are partially within Washington State Department of Transportation (WSDOT) right-of-way, so the design was reviewed and approved by WSDOT staff. After receiving only two contractor bids in June 2022, City staff and the engineering consultant made several design changes and rebid the project in September 2022, resulting in slightly lower contractor pricing. Nine construction bids were received on October 13, 2022. On November 1, 2022, the City Council awarded the contract to Active Construction, Inc. in the amount of \$1,181,181, appropriated \$994,568 Sound Transit East Link Mitigation funds, and set the project's total budget to \$1,594,568 ([AB 6175](#)).

ISSUE/DISCUSSION

PROJECT DESCRIPTION

Construction activities began in late January 2023. The intersection was partially closed, in stages, to allow new portions to be constructed while still allowing vehicle and pedestrian traffic to flow. The entire east side of the intersection was closed and built first, then traffic was switched to that new side and the west side was closed and reconstructed. Access to nearby businesses was kept open during the construction work.

The project was substantially completed in May, and traffic was returned to normal operation. In June 2023, the rapid rectangular flashing beacons (RRFB) components were installed and activated. During design, the RRFB hardware was found to have a long lead time to manufacture and deliver. The City ordered these components several months in advance of the project and provided them to the contractor for installation, which allowed the project to be completed and fully operational on time.

Improvements included construction of a raised concrete intersection with ADA ramps, sidewalks, curb and gutter, new pedestrian refuge median islands, and new RRFBs at the north and south crosswalks. The raised intersection provides traffic calming and the RRFBs have enhanced safety of the pedestrian crossings by drawing driver attention to the crosswalks. Other work included signage, pavement markings, street lighting upgrades, and a watermain extension to outside the new concrete work. The intersection's design layout is shown in Exhibit 2.

The total project cost was \$1,570,615, which is \$23,953 less than the amount budgeted at the time of contract award.

Two significant project costs were erroneously omitted from the project's budget at bid award: Project Design and RRFB Equipment Purchase. Design costs on this project were \$127,803 and RRFB equipment costs were \$44,232. These design and RRFB costs are offset in the project's budget by the unused construction contingency, savings during construction, and savings in inspection services.

Actual expenditures compared to the approved project budget are shown in the table on the following page. The unspent project budget will revert back to the remaining unallocated balance of Sound Transit East Link Mitigation Funds.

**SUNSET HWY and 77TH AVE SE INTERSECTION IMPROVEMENTS
PROJECT BUDGET & ACTUAL EXPENDITURES**

Description	Approved Project Budget (At Bid Award)	Actual Expenditures
Construction - Contract with ACI	\$1,181,181	\$1,137,561
Construction Contingency - 10%	\$118,118	\$0
Construction - RRFB Equipment Purchase	\$0	\$44,232
Project Design (2021-2022)	\$0	\$127,803
WSDOT Coordination	\$5,000	\$7,136
Inspection Services / Construction Support	\$248,457	\$214,753
Contract Administration / Project Management	\$30,000	\$27,754
1% for the Arts	\$11,812	\$11,376
Total Awarded Project Cost	\$1,594,568	\$1,570,615
Budget Remaining		\$23,953

RECOMMENDED ACTION

Accept the completed Sunset Hwy and 77th Ave SE Intersection Improvements project and authorize staff to close out the contract.