

Attachment A: Additional Background information

Integrity Structural Engineering Supplemental Agreement No. 3

Background Information

The Overlake Village Station (OVS) and Redmond Technology Station (RTS) pedestrian bridges were originally part of Sound Transit's E360 design-build contract, which was scheduled to be completed in 2019. In 2016 the City selected Integrity Structural Engineering to provide bridge engineering support services for both bridges during design and construction. At this time the OVS pedestrian bridge is still under construction and expected to be completed in 2021.

In late 2016 Microsoft developed a new design concept for the RTS Pedestrian Bridge and removed it from the E360 contract. The new design shifted the alignment south to connect into Microsoft's redevelopment plans for East Campus, increased the width from 14' to 30'-50', increased the length to approximately 1,200' and significantly increased the scope, scale, and complexity of the bridge. The RTS bridge is currently being delivered by Microsoft under a separate design-build contract and scheduled to be completed in 2022. Both bridges will be conveyed to the City after they are completed.

This supplemental agreement provides for continued structural engineering support services through construction completion of the bridges and was identified as an anticipated Council action in the Sound Transit Light Rail Quarterly Updates presented to Council on 6/16/20, 9/15/20, and 11/17/20. Additional services are needed for the reasons described below. Additional costs will be paid for from current project budgets.

- OVS Pedestrian Bridge (Figure 1)
 - Although nearing completion, the bridge is still under construction and the construction duration is approximately 15 months longer originally anticipated
 - The level of effort required to review and respond to design changes and address non-conforming work is greater than originally anticipated.
 - Funding: CIP, \$9,000
- RTS Pedestrian Bridge (Figure 2)
 - The level of the support needed during the construction phase is greater than anticipated due to the complexity of the project, construction challenges, large number of design changes, need to address non-conforming work, and nature of the design-build process.
 - The construction duration for the bridge is longer than originally anticipated
 - Funding: Microsoft: \$187,425 (funded by an existing Construction Agreement with the City)

Integrity Structural Engineering Contract Summary

7/19/16	Consultant Agreement	\$300,000	Original agreement, 12/31/19 completion date
1/19/19	Supplement 1	\$150,000	Added RTS Ped Bridge construction phase, completion date extended to 12/31/2022
8/7/20	Supplement 2	\$50,000	Additional construction support for both bridges. This supplement was a stopgap measure until the cost through completion could be accurately estimated.
1/19/21	Supplement 3	\$196,425	Additional construction support, primarily for the RTS Ped Bridge, pending Council approval
	Total	\$696,425	

Funding

	OVS Bridge	RTS Bridge	Total
CIP	\$194,519.22	\$145,625.78	\$340,145.00
Microsoft Construction Agreement		\$356,280.00	\$356,280.00
			\$696,425.00

Figure1 - OVS Pedestrian Bridge (looking west)



Figure 2 - RTS Pedestrian Bridge (looking west)

