



## MEMORANDUM

**DATE:** September 2, 2021

**TO:** Anna Vogel, Procurement Manager and Natasha Ramras, Chief Financial Officer

**FROM:** Sheryl Hale, Senior Civil Engineer and Dan Swensen, Interim Public Works Director

**RE:** **Apprenticeship Program Waiver Request**

**PROJECT:** **Southside Interceptor PH2 CIPP Rehabilitation Project**

**CC:**

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The above referenced project has an engineer's estimate of \$1.4M to rehabilitate approximately 2,800 LF of existing 36-inch sewers. According to current City policy, this level of project estimate would require a minimum apprenticeship utilization goal of 3% to be assigned to this project.

From experience on past projects the City has determined that the rehabilitation projects that utilize Cured-In-Place (CIPP) trenchless technology the labor hours required to complete the project are very low compared to the high cost of the materials needed.

If one was to compare a Trenchless project like this to a traditional dig project the differences in material to labor costs would be very apparent. Here is a comparison of two recent projects:

Project	Project Type	Length of Sewer	Budget	Labor Hours
Southside Interceptor Rehab - CIPP	Trenchless	2,173 LF Existing 42-inch sewer	\$1,255,000	2,281.33
Central Van North PH1	Traditional Dig	2,800 LF new 8-inch sewer	\$659,000	4,112.5

As can be seen above, the specialized projects utilizing trenchless technology have roughly twice the cost with half the labor hours.

In addition to the high material costs and low labor hours this trenchless technology is very specialized. Typically, contractor's that bid on this type of work are from outside the Vancouver area which makes it even more difficult to find and establish a network of apprenticeship laborers.

On the Southside Interceptor project noted above, a project very similar to the planned Southside Interceptor Phase 2 project, there was a 3% apprenticeship goal, but the contractor was not able to supply any apprenticeship hours.

Regarding the approved criteria for apprenticeship requirement waiver, the Southside Interceptor Phase 2 CIPP project meets both; the project is a high material's but low labor hours project, and the contractor will only be allowed 30 working days to complete the work.

Public Works requests that the apprenticeship requirement be waived for the Southside Interceptor Phase 2 CIPP Rehabilitation project.