

SUBJECT

BOARD RESOLUTION NO. 24-561

Pertaining to Amendment to Contract No. 4478 to provide professional design and construction management and observation for the Robert Street bridge water main repair.

STRATEGIC PLAN GOALS: Infrastructure Strategy and Performance

On January 27, 2023, a 16-inch steel water main under the Robert Street bridge ruptured. SPRWS Distribution staff responded immediately and shutoff the water main. Upon further investigation, it was determined that the rupture was the result of freezing inside the pipe due to a dead head condition caused by a closed valve on the south end of the bridge.

A professional services contract was executed with Stantec Consulting Services to perform a field inspection and condition assessment of the water main. This effort resulted in preparation of a technical memorandum outlining three design alternatives for repair of the water main on a fast-tracked timeline. The recommended option is to replace and repair the segments of pipe that ruptured inside piers 3 and 4 as well as the south abutment of the bridge. Additionally, a flexible liner should be installed in the segment of water main between pier 4 and the south abutment. A preliminary cost estimate for this work is up to \$1,500,000.

See attached Scope of Work.

RECOMMENDATION

Approval