



RESOLUTION NO. U-11211

1 A RESOLUTION related to Tacoma Water; authorizing additional funding for
2 the City of Tacoma, Public Works contract for the East 64th Street
3 Project.

4 WHEREAS the City of Tacoma, Tacoma Public Utilities, Water Division
5 ("Tacoma Water"), was authorized by Resolution U-11129 to participate in the
6 Public Works contract for the East 64th Street Project ("Project"), and

7 WHEREAS this contract involves the installation of approximately 3,300
8 feet of new 4-inch water main along East 64th Street, from Pacific Avenue to
9 McKinley Avenue,

10 WHEREAS the new water main provides improvement to the existing
11 customer's water pressures by adjusting and extending the higher pressure
12 zone boundaries to the area, and

13 WHEREAS due to unanticipated field conditions such as sanitary sewers
14 in need of rehabilitation, contaminated soil, manholes requiring safety
15 upgrades, and unmarked and abandoned utilities, the original funding of
16 \$748,505.19, is insufficient,

17 WHEREAS in order to complete the Project construction, an additional
18 \$80,000 is requested, for an aggregate total of \$828,505.19, with funding from
19 unused Tacoma Water funds from other previous projects; Now, therefore,

20 BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

21 That Tacoma Water's request for additional funding in the amount of
22 \$80,000, to complete its portion of the Public Works' contract for the East 64th
23
24
25
26



Street Project, for an aggregate total of \$828,505.19, plus applicable taxes is approved.

Approved as to form:

Chair

/s/
Chief Deputy City Attorney

Secretary

Clerk

Adopted _____

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Scott Dewhirst, Water Superintendent, Tacoma Water SD
Ali Polda, Principal Engineer, Tacoma Water
MEETING DATE: October 28, 2020
DATE: October 15, 2020

SUMMARY:

Authorize additional funding for the East 64th Street Project administered by City of Tacoma Department of Public Works. On December 4th, 2019, under Resolution U-1119, the Public Utility Board authorized Tacoma Water participation and funding of \$748,505.19 for the Project. Tacoma Water requests increasing project funding by \$80,000.00 to \$828,505.19, plus applicable taxes. Currently the project is under construction and costs have increased due to several unanticipated field conditions.

BACKGROUND:

The Project scope involves installing approximately 3,300 feet of new 4-inch water main along East 64th Street, from Pacific Avenue to McKinley Avenue. The new water main improves existing customer's water pressures by adjusting and extending the higher pressure zone boundaries to the area.

The following unanticipated field conditions resulted in additional costs:

- Rehabilitation of private sanitary sewers, which were at risk of failure because of the close proximity to water infrastructure improvements.
- Extensive contaminated soil discovery along the project extents requiring environmental remediation and authorized disposal.
- Safety upgrades for existing manhole structures, including installing ladders and replacing chambers.
- Unmarked and abandoned utilities encountered during excavation.

ISSUE: Additional funding is required to complete Project construction.

ALTERNATIVES: Tacoma Water is a partner within the Public Works Project and construction cannot be completed without additional funding.



Board Action Memorandum

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes, unspent funding from previous projects is available to cover overages.

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Not applicable.

ATTACHMENTS: Original Board Action Memo for Resolution U-1119

CONTACT: Ali Polda, Principal Engineer, 253-502-8152
Jessica Knickerbocker, Assistant Division Manager, 253-389-8044

**Board Action Memorandum**

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Ali Polda, Principal Engineer, Tacoma Water
MEETING DATE: December 4th, 2019
DATE: November 13th, 2019

SUMMARY:

Authorize Tacoma Water to participate in the City of Tacoma, Department of Public Works East 64th Street Project. Tacoma Water proposes to install approximately 3,300 feet of new 4-inch water main along East 64th Street, from Pacific Avenue to McKinley Avenue, at a project cost of \$748,505.19 plus applicable taxes. New water main is proposed to improve existing customer water pressure by adjusting and extending the higher pressure zone boundaries to the area.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Public Works project. Project partnership will improve project delivery, reduce project costs, mitigate future risks, and consolidate construction disturbance to residents and businesses.

BACKGROUND:

For background information regarding the Public Works portion of the project please refer to the Contract and Award Letter.

The 2018 Water System Plan conducted computer modeling to identify areas in Tacoma Water's service area where existing customers may be experiencing low water pressures. Modeling forecasts through the year 2037 under a peak water demand scenario predicts that some customers along East 64th Street may experience water pressures below 30 pounds per square inch (psi). Field investigations and historic customer complaints also independently confirm lower water pressures in the area.

Washington State code requires a minimum of 30 psi pressure is maintained at the water meter at all times under peak water demands. A new water main is proposed to increase customer water pressure up to 80 psi by adjusting and extending the higher pressure zone boundaries to the area.

Pressure reducing valves, which allow for manual adjustment of the water pressure at each property, will be installed as part of the project. Some customers may opt to lower water pressure through the valves. Customer outreach will be conducted to educate customers on how to operate and maintain the valves.



Board Action Memorandum

ISSUE: Tacoma Water customers along East 64th Street may experience low water pressure below code requirements under peak water demands in the future.

ALTERNATIVES: Not increasing the water pressures may violate State code requirements.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Not Applicable.

ATTACHMENTS: Project Map
Contract and Award Letter
Agreement for Joint Project Tacoma Water – Public Works

CONTACT: Ali Polda, Principal Engineer, 253-502-8152
Ryan Flynn, Interim Division Manager, 253-396-3111