



## RESOLUTION NO. U-11294

1 A RESOLUTION related to Tacoma Water; authorizing participation in a City of  
2 Tacoma, Environmental Services, WW Sewer Replacement South J  
3 Street Project.

4 WHEREAS the City of Tacoma, Tacoma Public Utilities, Water Division  
5 ("Tacoma Water") is requesting authorization to participate in the City of  
6 Tacoma, Environmental Services Department ("Environmental Services") WW  
7 Sewer Replacement South J Project, and

8 WHEREAS, as part of this Project, Tacoma Water proposes to partner  
9 with Environmental Services to reconstruct the existing roadway and replace  
10 approximately 2,500 feet of 6-inch to 12-inch potable water main, constructed  
11 circa 1890's, along South J Street, between South 7<sup>th</sup> Street and South 13<sup>th</sup>  
12 Street, and

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14 WHEREAS the total project cost is \$787,282.41, plus a fifteen percent  
15 contingency, for a cumulative total of \$905,374.77, plus applicable taxes, and

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17 WHEREAS the overall project will minimize long-term road maintenance  
18 by improving roadway surface with asphalt, upgrade underground utilities, and  
19 sidewalks/ADA improvements, and

20 WHEREAS Tacoma Water believes it is in the best interest of the utility  
21 and its customers to include water main work in the partnership with the  
22 Environmental Services, to improve project delivery, reduce project costs,  
23 improve system reliability, and consolidate construction disturbance to  
24 residents, and  
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WHEREAS Tacoma Water requests authority to participate in the Environmental Services contract for the above purpose and reasons; Now, Therefore,

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

That Tacoma Water is authorized to participate in the Environmental Services' and Public Works' contract for the WW Sewer Replacement South J Project, in the amount of \$787,282.41, plus a fifteen percent contingency, for a cumulative total of \$905,374.77, plus applicable taxes, and the proper officers of the City are authorized to execute an agreement in a form as approved by the City Attorney.

Approved as to form:

_____	_____
<i>/s/</i>	Chair
_____	_____
Chief Deputy City Attorney	Secretary
_____	Adopted _____
Clerk	



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities <sup>DS</sup> JF  
COPY: Charleen Jacobs, Director and Board Offices  
FROM: Scott Dewhirst, Utilities Dir Dep. Water Superintendent, Tacoma Water <sup>DS</sup> SD  
Ali Poldo, Principal Engineer, Tacoma Water <sup>DS</sup> AP  
MEETING DATE: November 17, 2021  
DATE: November 3, 2021

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**STRATEGIC DIRECTIVE ALIGNMENT (select as many that apply):**

Please indicate which of the Public Utility Board's Strategic Directives is supported by this action.

- |  |   |
|--|---|
| <input type="checkbox"/> SD1 – Equity & Inclusion                  | <input type="checkbox"/> SD8 – Telecom                            |
| <input type="checkbox"/> SD2 – Financial Sustainability            | <input type="checkbox"/> SD9 – Economic Development               |
| <input type="checkbox"/> SD3 – Rates                               | <input type="checkbox"/> SD10 – Government Relations              |
| <input type="checkbox"/> SD4 – Stakeholder Engagement              | <input type="checkbox"/> SD11 – Decarbonization/Electric Vehicles |
| <input type="checkbox"/> SD5 – Environmental Leadership            | <input type="checkbox"/> SD12 – Employee Relations                |
| <input type="checkbox"/> SD6 – Innovation                          | <input type="checkbox"/> SD13 – Customer Service                  |
| <input checked="" type="checkbox"/> SD7 – Reliability & Resiliency | <input type="checkbox"/> SD14 – Resource Planning                 |

**SUMMARY:**

Authorize Tacoma Water to participate in the City of Tacoma, Department of Environmental Services WW Sewer Replacement South J Street Project. Tacoma Water proposes to replace approximately 2,500 feet of 6-inch to 12-inch potable water main. The total project cost is \$787,282.41, plus a 15 percent contingency, for a cumulative total of \$905,374.77, plus applicable taxes.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project. Project partnership will improve project delivery, reduce project costs, improve system reliability, and consolidate construction disturbance to residents.

**BACKGROUND:**

Tacoma Water is partnering with the Environmental Services to reconstruct the existing roadway and replace approximately 2,500 feet of existing water main, constructed circa 1890's, along South J Street, between South 7<sup>th</sup> Street and South 13<sup>th</sup> Street.

The overall project will minimize long-term road maintenance by improving roadway surface with asphalt, upgrade underground utilities, and sidewalks/ADA improvements.

Project partner contributions are summarized in the attached "Environmental Services – Tacoma Water Agreement for Joint Project."



**Board Action Memorandum**

**ISSUE:** The existing water main in this area is an upwards of 130 years old, with sections near the end of its operational life.

**ALTERNATIVES:** Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new roadway by replacing the water main now.

**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?** Yes.

**ATTACHMENTS:** Project Map  
City Manager Action Memorandum  
Environmental Services - Tacoma Water Agreement for Joint Project

**CONTACT:** Ali Polda, Principal Engineer, 253-310-1599  
Jessica Knickerbocker, Assistant Division Manager, 253-389-8044

# ATTACHMENTS

# Project Map



Project Extents – South J Street, from South 7<sup>th</sup> Street to South 13<sup>th</sup> Street



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**TO:** Elizabeth Pauli, City Manager or delegee  
**FROM:** Michael P. Slevin III, P.E., Environmental Services Director  
John Burk, P.E., ES Science and Engineering Division Manager  
Shannon Wall, P.E., Division Manager, Planning & Engineering, Tacoma Water  
**COPY:** City Manager, City Council, City Clerk, EIC Coordinator, LEAP Coordinator, and  
Steve Hoffman, Project Manager, Ali Polda, P.E., Erik Sloan, Pavement  
Manager, and Doreen Klaaskate, Senior Buyer, Finance/Purchasing  
**SUBJECT:** WW Sewer Replacement South J Street  
Request for Bids Specification No. ES21-0547F  
**DATE:** [Today's Date]

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Pursuant to the City of Tacoma March 12, 2020, state of emergency proclamation in response to COVID-19, made in accordance with Tacoma Municipal Code Chapter 1.10., contract awards for purchases must be approved by the City Manager or delegee.

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**RECOMMENDATION SUMMARY:**

The Environmental Services, and Tacoma Water Departments recommend a contract be awarded to Pivetta Brothers Construction, Inc., in the amount of \$3,108,836.81 plus a 15 percent contingency, for a cumulative total of \$3,575,162.33 plus applicable taxes, budgeted from various department funds, to replace aging wastewater, surfacewater, and water distribution pipes in the vicinity of J and I Streets from S 13<sup>th</sup> Street to Division Avenue.

**STRATEGIC POLICY PRIORITY:**

- Strengthen and support a safe city with healthy residents.
- Assure outstanding stewardship of the natural and built environment.

This project will replace aging water distribution pipes, wastewater pipes, and surface water pipes. Roadways impacted by the proposed underground utility replacement work will be restored with permanent asphalt pavement patch. This work supports a safe city with healthy residents, and assures outstanding stewardship of the natural and built environment of this neighborhood.

**BACKGROUND:**

Existing underground utilities in this neighborhood have provided many years of reliable essential services and are in need of replacement. These utilities have reached the end of their design life and are at risk of failure.

**ISSUE:** Replacement of existing wastewater pipes, water distribution pipes, and surface water pipes in this neighborhood will reduce the risk of failure that may cause interruptions in essential City services, and represents the lowest life cycle cost solution.



**ALTERNATIVES:** Taking no action and accepting the risk of future pipe failures that will result in unanticipated interruptions to essential City services provided to this neighborhood.

**COMPETITIVE SOLICITATION:**

Request for Bids Specification No.ES21-0547F was opened October 12, 2021. The project was advertised in normal publications. Nine submittals were received.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
<b>Pivetta Brothers Construction, Inc.</b>	<b>Sumner, WA</b>	<b>\$3,108,836.81</b>
Laser Underground & Earthworks, Inc.	Snohomish, WA	\$3,157,018.00
R.L. Alia Company	Renton, WA	\$3,340,733.90
Rodarte Construction, Inc.	Auburn, WA	\$3,371,333.50
NW Cascade, Inc.	Puyallup, WA	\$3,406,905.00
Pacific Civil & Infrastructure, Inc.	Sumner, WA	\$3,514,081.20
Johansen Construction Co., LLC	Buckley, WA	\$4,167,457.65
Miles Resources, LLC	Tacoma, WA	\$4,899,776.05
Ceccanti, Inc.	Tacoma, WA	\$5,331,494.50

Pre-bid Estimate: \$3,420,411.50  
The recommended award is 10 percent below the pre-bid estimate.

**CONTRACT HISTORY:** New contract

**SUSTAINABILITY:** Replacement of these pipes will minimize the risk of failure thereby reducing the potential for discharge of untreated wastewater into Puget Sound; resulting in positive environmental impacts.

**EIC/LEAP COMPLIANCE:** The recommended contractor is in compliance with the Equity in Contracting (EIC) Regulation requirements per memorandum dated July 29, 2021. The EIC requirements for this project are 6 percent for Minority Business Enterprise (MBE), 3 percent for Women Business Enterprise (WBE), and 5 percent for Small Business Enterprise (SBE). The EIC utilization levels of the recommended contractor, [insert name of recommended contractor], are 6 percent for MBE , 6 percent for WBE, and 6 percent for SBE. The Local Employment and Apprenticeship Training Program (LEAP) requirements are Local Employment Goal of 15 percent and Apprentice Utilization Goal of 15 percent.





**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	ENV-04024-04-04	5330100	\$2,208,624.78
4301 ES Surface Water Fund	ENV-03032-01-04	5330100	\$461,162.78
4600 Tacoma Water Capital Reserve Fund	WTR-00641-02-03	5330100	\$905,374.77
<b>TOTAL</b>			<b>Up to \$3,575,162.33</b>

**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	524700	6310010	\$2,208,624.78
4301 ES Surface Water Fund	529700	6310010	\$461,162.78
4600 Tacoma Water Capital Reserve Fund	587501	6311170	\$905,374.77
<b>TOTAL</b>			<b>\$3,575,162.33</b>

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$3,575,162.33, Plus applicable sales tax.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A

APPROVED

\_\_\_\_\_  
City Manager (or delegee)



**DATE:** November 2, 2021

**TO:** Jessica Knickerbocker, P.E., Tacoma Water Assistant Division Manager  
John Burk, P.E., Environmental Services Division Manager

**FROM:** Ali Polda, P. E., Principal Engineer, Planning & Engineering, Tacoma Water  
Steve Hoffman, Senior Environmental Specialist, Environmental Services

**SUBJECT:** Environmental Services – Tacoma Water Joint Agreement for  
MRP 2021-03 / ES21-0547F  
WW Sewer Replacement South J Street s 13<sup>th</sup> & S 7<sup>th</sup> and I St. Between S 7<sup>th</sup> and  
Division

DS  
DS AP  
SA

Our respective organizations believe a coordinated effort to construct approximately 750 feet of 6-inch to 12-inch stormwater pipe, 4,500 feet of 8-inch to 18-inch sanitary sewer pipe, and 2,500 feet of 4-inch to 12-inch potable water pipe under a single City of Tacoma contract, will result in efficiency and cost savings to all parties. Additionally, a joint project will minimize construction disturbance to adjacent businesses and the general public. The following summarizes the arrangements, assumptions, and action items necessary to move forward with this project:

- The project has been combined into a single Environmental Services construction contract. Environmental Services has the responsibility to lead and coordinate the compilation of contract plans and specifications, and to advertise and award the construction contract.
- The Department of Environmental Services will administer the construction contract. Environmental Services will charge Tacoma Water for the additional incremental contract administration time associated with Tacoma Water scope of work. Tacoma Water will compensate the Environmental Services Department in the amount of 3% of the lowest responsible bidder water base bid plus the shared item costs less sales tax. The estimated cost for the Tacoma Water portion of contract administration is \$23,618.47. This amount will be transferred to the Department of Environmental Services via journal entry at the completion of the project. This method is consistent with how construction management and overhead costs were addressed on previous projects.
- Tacoma Water will be responsible for shared project costs as reflected in the Project Breakdown Estimate worksheet (see attached Exhibit). The Tacoma Water portion of the shared cost are based on actual bid pricing and are estimated to be approximately \$127,839.51.
- Tacoma Water will provide the WBSE for charging water main construction costs to the Water Division fund. The Water Division WBSE for this project is as follows:

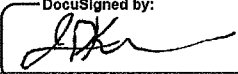
WTR-00641-02-03 Construction Payments to ES

- Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, and other appurtenant items directly related to the installation of new water main. These costs have been segregated within "Schedule D" of the contract bid proposal. Costs for the water distribution main is \$659,442.90.



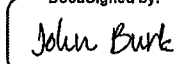
- Tacoma Water will request authorization from the Public Utility Board to participate in the Environmental Services contract as soon as possible following the determination of the lowest responsible bidder.
- Tacoma Water will be included and fully involved in the initiation, discussion, and review of any addendums, revisions, change orders, or change of scope pertaining to the water main work. Any addendums, revisions, change orders, or change of scope pertaining to the water main scope of work or shared bid items shall be subject to the approval of Tacoma Water.
- Tacoma Water will perform all water main construction staking.
- The Department of Environmental Services will act as the overall contract construction inspection lead. Tacoma Water will be responsible for the daily inspection of the water main construction. Tacoma Water, and Environmental Services inspections will be a cooperative and coordinated effort.

We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, the Department of Environmental Services and Tacoma Water. Tacoma Water's total project contribution cost for this project is \$810,900.88, plus applicable taxes and any contingencies. By signature, please indicate your approval to proceed with this joint project.

DocuSigned by:  
  
09393859B4F1444  
\_\_\_\_\_  
Jessica Knickerbocker, P.E.  
Tacoma Water Assistant Division Manager

11/02/2021

\_\_\_\_\_  
Date

DocuSigned by:  
  
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John Burk, P.E.  
Environmental Services Division Manager

11/02/2021

\_\_\_\_\_  
Date

cc: Geff Yotter, Tacoma Water

File MRP 2021-03

Exhibit: Project Breakdown Estimate

SHARED BY PERCENTAGE - ALL UTILITIES

Item #	Bid Item Name	Unit	Total Proj Qty	Unit Price	Amount	PW			SW			W			WW		
						%	\$	Tax?	%	\$	Tax?	%	\$	Tax?	%	\$	Tax?
R001	Project Rehab Covers	LS	1	\$60.00	\$60.00	0%	0		13%	77.5		25%	137.5	YES	62%	341	YES
R002	SPLC Pile	LS	1	\$590.00	\$590.00	0%	0		13%	77.5		25%	137.5	YES	62%	341	YES
R003	Markham	LS	1	\$190,000.00	\$190,000.00	0%	0		13%	32404		25%	12770	YES	62%	129495	YES
R004	Project Temporary Traffic Control	LS	1	\$195,000.00	\$195,000.00	0%	0		13%	25350		25%	48750	YES	61%	129800	YES
R005	Uniformed Police Officer Traffic Control	HR	160	\$10.63	\$1700.80	0%	0		13%	1795.2		25%	3403	YES	62%	4303.2	YES
R006	Structural Pollution Prevention Plan (SPP)	LS	1	\$2,100.00	\$2,100.00	0%	0		13%	273		25%	540	YES	62%	1100.2	YES
R007	SPLC Construction Stowwater Owner Permit	LS	1	\$2,100.00	\$2,100.00	0%	0		13%	273		25%	540	YES	62%	1100.2	YES
R008	Enroll/Water Pollution Control	FA	1	\$15,000.00	\$15,000.00	0%	0		13%	1950		25%	3750	YES	62%	6000	YES
R009	Water Protection	BA	49	\$5,400.00	\$2,646.00	0%	0		15%	343.54		25%	687.08	YES	62%	1045.52	YES
R010	Street Closing	HR	80	\$135.00	\$10,800.00	0%	0		13%	1404		25%	2700	YES	62%	3636	YES
R011	Raised Pavement Marker Type 2Y	HR	7	\$337.00	\$2,359.00	0%	0		13%	282.789		25%	464.4	YES	62%	1069.52	YES
R012	Raised Pavement Marker Type 2TY	HR	11	\$397.00	\$4,367.00	0%	0		13%	27.958		25%	55.916	YES	62%	1122.64	YES
R013	Postcard Signage	LS	1	\$11,115.00	\$11,115.00	0%	0		13%	1434.95		25%	2757.75	YES	62%	4991.8	YES
R014	Pole Line	LP	1477	\$7.95	\$11,751.15	0%	0		15%	411.216		25%	782.8	YES	62%	1667.184	YES
R015	Parade Walk Lane Line	LP	15	\$7.95	\$119.25	0%	0		15%	3.712		25%	7.175	YES	62%	11.752	YES
R016	Parade On-suffill Lane	SP	174	\$9.95	\$1,731.30	0%	0		15%	129.75		25%	243.75	YES	62%	461.5	YES
R017	Parade Stop Lane	LP	34	\$9.95	\$340.30	0%	0		15%	27.566		25%	55.688	YES	62%	113.18	YES
R018	Parade Truss Ladder	BA	5	\$47.95	\$239.75	0%	0		13%	55.0339		25%	104.9375	YES	62%	265.323	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
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		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
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		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
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		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
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		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		15%	0		25%	0	YES	62%	0	YES
		AD	0	\$0.00	\$0.00	0%	0		13%	0		25%	0	YES	62%	0	YES
	</																







Sales Tax Calculation

Sales Tax Rate 10.30%

Total Taxable Public Works Items	\$0.00
Total Tax - Public Works	\$0.00
Total Taxable Stormwater Items	\$0.00
Total Tax - Stormwater	\$0.00
Total Taxable Water Items	\$757,282.41
Total Tax - Water	\$81,090.09
Total Taxable Wastewater Items	\$1,020,543.26
Total Tax - Wastewater	\$107,815.96
Total Sales Tax	\$278,906.05

General Practice for Sales Tax:

Wastewater & Water surface restoration items are non-taxable ONLY in areas where there is a partnership with Public Works to also build roadways or where ES is building roadways (pavement projects).  
Wastewater and Water surface restoration items are taxable IF this project will not build a roadway regardless of whether it is a partnership project (ie. only replacing C&G, sidewalks, driveways, in-crv roadways patching, etc.)  
Work occurring on private property or real property (not in right-of-way) is taxed regardless of who utility pays for the work.  
Items in the Roadway Schedule that are not roadway related items (such as mobilization, SPCC Plan, Project Red Lines, etc.) ARE taxable for Wastewater and Water utilities.