



RESOLUTION NO. U-11282

1 A RESOLUTION related to Tacoma Water; authorizing the participation in a
2 City of Tacoma, Department of Public Works, Brewery District Project to
3 reconstruct and replace water main.

4 WHEREAS the City of Tacoma, Tacoma Public Utilities, Water Division
5 ("Tacoma Water") is requesting authorization to participate in a Department of
6 Public Works ("Public Works"), Brewery District Project ("Project") for the
7 reconstruction and replacement of water main project along Fawcett Avenue,
8 and

9 WHEREAS, as part of this project, Tacoma Water proposes to partner
10 with Public Works to reconstruct the existing roadway and replace
11 approximately 5,300 feet of 4-inch to 20-inch water main, constructed circa
12 1939, along Fawcett Avenue, between 6th Street and South 19th Street, and

13 WHEREAS the approximate cost for Tacoma Water is \$1,874,086.58,
14 plus a fifteen percent contingency, for a cumulative total of \$2,155,199.57, and

15 WHEREAS Tacoma Water believes it is in the best interest of the utility
16 and its customers to include the water main work in the Public Works Project
17 and the partnership will improve project delivery, reduce project costs, improve
18 system availability, and consolidate construction disturbance to neighborhood
19 businesses, and

20 WHEREAS it is more cost effective to mitigate the risk of future water
21 main breaks under a new roadway by replacing the water main now, and

22 WHEREAS Tacoma Water requests authority to participate in the Public
23 Works contract for the above purpose and reasons; Now, Therefore,
24
25
26



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

That Tacoma Water is authorized to participate in the Public Works Brewery District Project along Fawcett Avenue, with costs in the amount of \$1,874,086.58, plus a fifteen percent contingency, for a cumulative total of \$2,155,199.57, and the proper officers of the City are authorized to execute necessary agreements in forms as approved by the City Attorney.

Approved as to form:

Chair

/s/

Chief Deputy City Attorney

Secretary

Adopted.

Clerk



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities *JF*
COPY: Charleen Jacobs, Director and Board Offices
FROM: Scott Dewhirst, Utilities Dir Dep. Water Superintendent, Tacoma Water *SD*
Troy Saghafi, Professional Engineer, Tacoma Water *TS*
MEETING DATE: October 13, 2021
DATE: September 28, 2021

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 Public Works, Brewery District Project. Tacoma Water proposes to install approximately 5,300 feet of 4-inch to 20-inch water main along Fawcett Avenue. Total project cost is \$1,874,086.58, plus a 15 percent contingency, for a cumulative total of \$2,155,199.57 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 Public Works project. This project partnership will improve project delivery, reduce project costs, improve system availability, and consolidate construction disturbance to businesses.

BACKGROUND:

Tacoma Water is partnering with the Public Works Department to reconstruct the existing roadway and replace approximately 5,300 feet of existing water main, constructed circa 1939, along Fawcett Avenue, between 6th Street and South 19th 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 attachment "Agreement for Joint Project Public Works - Tacoma Water."



Board Action Memorandum

ISSUE: The existing water main in this area is over 100 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
Agreement for Joint Project Public Works - Tacoma Water

CONTACT: Troy Saghafi, Professional Engineer, 253-345-8445
Ali Poldi, Principal Engineer, 253-310-1599

AN





TO: Elizabeth Pauli, City Manager
FROM: Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer
Nick Correll, Project Manager, Public Works Engineering
COPY: City Manager, City Council, City Clerk, EIC Coordinator, LEAP Coordinator, and
Tina Eide, Senior Buyer, Finance/Purchasing
SUBJECT: Revitalizing Tacoma's Brewery District
Request for Bids Specification No. PW20-0015F
DATE: [9/2/2021]

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.

RECOMMENDATION SUMMARY:

The Public Works Department recommends a contract be awarded to Active Construction, Inc., in the amount of \$6,605,605.00, plus a 15% contingency, for a cumulative total of \$7,596,445.75, plus any applicable taxes, budgeted from various departmental funds, for the installation of bicycle signal detection along the Fawcett Ave "Bicycle Boulevard" and missing link bicycle lanes in the City's bicycle network, the restoration of approximately 0.95 miles of roadway, the construction of ADA curb ramps, pedestrian refuge islands, mid-block crossings, and the installation of other supporting signal equipment and bicycle amenities.

STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Ensure all Tacoma residents are valued and have access to resources to meet their needs.
- Assure outstanding stewardship of the natural and built environment.
- Encourage and promote an efficient and effective government, which is fiscally sustainable and guided by engaged residents.

By repaving the roadway surface, upgrading signal infrastructure, and upgrading curb ramps to ADA-compliance, this project ensures that residents have safe, equitable access to businesses and residences along the Fawcett Avenue corridor, by vehicular, bicycle, or pedestrian travel modes. This project ties into the City's existing bicycle network and has support from local business groups.

BACKGROUND:

Fawcett Avenue is a designated bicycle boulevard in the City's bicycle network, and serves to connect residences, businesses, and other services along the corridor, in addition to being a missing link to the existing bicycle network in the area.

ISSUE: Currently there are gaps and unimproved areas in the City's bicycle network, of which Fawcett Ave and South 15th Street are major components. The roadway surface is in poor condition due to its age and frequent patching from previous utility work, frontage improvements, and other intermediary projects. Non-ADA-compliant curb ramps exist at the



majority of the intersections along Fawcett Avenue, and the signals do not currently feature proper timing, bicycle detection, or ADA-compliant push-button systems, all of which are important safety features for a bicycle boulevard.

ALTERNATIVES: The alternative to this project is to not add the missing link bicycle lanes on South 15th Street, to not add the bicycle amenities on the Fawcett Avenue Bicycle Boulevard, to continue patching the roadway surface instead of restoring it, and to leave the curb ramps non-compliant with ADA standards, none of which supports safe and equitable pedestrian, bicycle, and vehicle travel for Tacoma residents.

COMPETITIVE SOLICITATION:

Request for Bids Specification No. PW20-0015F was opened August 10, 2021. No companies were invited to bid in addition to normal advertising of the project. Three submittals were received. Active Construction, Inc. submitted a bid that resulted in the lowest evaluated submittal after consideration of Disadvantaged Business Enterprise (DBE) participation goals.

The table below reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u>	<u>Submittal Amount</u>
Active Construction, Inc	Tacoma, WA	\$6,605,605.00
Tucci & Sons, Inc	Tacoma, WA	\$6,898,141.50
Pacific Civil & Infrastructure, Inc	Sumner, WA	\$7,270,519.10

Pre-bid Estimate: \$5,605,535.00

The recommended award is 17.8 percent above the pre-bid estimate.

Based on the estimated working days, staff believes this project will result in 4,138 labor hours.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: This project will improve the City's infrastructure and safety of residents by providing a new driving surface for non-motorized and motorized travel, as well as by installing bicycle detection at intersections. ADA-compliant curb ramps will be installed as part of the contract, along with ADA-compliant push-button systems, addressing social equity factors including ergonomic and human health impacts.

EIC/LEAP COMPLIANCE: Not applicable.

DISADVANTAGED BUSINESS ENTERPRISE (DBE): The recommended contract is in compliance with 49 Code of Federal Regulations Part 26, per memorandum dated August 31, 2021. The DBE goal for this project is 19 percent, and the DBE participation is 19.76 percent. The designated training hours for this project are 800 hours.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
1060-CAPTL (PW Street Capital Projects)	PWK-G0032-05-01	5330100	\$4,410,945.03
4600 Tacoma Water Capital Reserve Fund	WTR-00604-01-07-03	5330100	\$2,094,645.82
ES Surface Water Utility Fund 4301	ENV-03031-22-04	5330100	\$297,335.64
ES Wastewater Utility Fund 4300	ENV-04023-14-04	5330100	\$159,188.07
Tacoma Power CBD A&R Fund 4700	PWR-01088-03-02	5330100	\$634,331.19
TOTAL			Up to \$7,596,445.75

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
WSDOT HSIP Grant	PWK-G0026-FS-04	4332270	\$230,000.00
PSRC TAP Grant			\$1,834,043.00
Streets Initiative Revenues	PWK-G0026-FS-02	6311108	\$2,346,902.03
Tacoma Power CBD A&R Fund 4700		6311200	\$634,331.19
4600 Tacoma Water Capital Reserve Fund	587501	6311170	\$2,094,645.82
ES Surface Water Utility Fund 4301		Rate Revenues	\$297,335.64
ES Wastewater Utility Fund 4300		Rate Revenues	\$159,188.07
TOTAL			\$7,596,445.75



City of Tacoma

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$7,596,445.75

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)



TO: Chris Larson, P.E., Division Manager, Public Works Engineering Division
Jessica Knickerbocker, P.E., Assistant Division Manager, Planning & Engineering,
Tacoma Water

FROM: Nick Correll, Project Manager, Public Works Engineering Division *NC*
Troy Saghabi, P.E., Professional Engineer, Planning & Engineering, Tacoma Water *TS*

SUBJECT: Agreement for Brewery District PW20-0015F/MRP 2019-45

DATE: September 14, 2021

Tacoma Public Works, Engineering Division and Tacoma Water, Planning & Engineering is collaborating to add water related infrastructure to the Brewery District Project.

The following summarizes the construction cost allocations for the project and other commitments.

1. The project is located in the Downtown Tacoma, along Fawcett Avenue, from S 6th Street to S 19th Streets. Water infrastructure improvements include installing new 4-inch to 20-inch water main and associated appurtenances along the entire project extents. Project design began in October 2019, the project advertised for construction in July 2021, and bids opened August 10, 2021.
2. The project has been combined into a single Public Works construction contract. Public Works has the responsibility to lead and coordinate the compilation of contract plans & specifications and advertise & award the construction contract.
3. Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic control, and other appurtenant items directly related to the installation of new water main. These costs have been segregated within "Schedule W" of the contract bid proposal. The estimated cost of "Schedule W" plus force account is \$1,798,156.15 plus taxes.
4. Tacoma Water will be responsible for the shared street restoration and general contract costs as reflected in the Project Breakdown Estimate worksheet (see exhibit A). Tacoma Water's portion of the shared cost is based on actual bid pricing and is estimated to be approximately \$23,275.00 plus taxes. As quantities on the Project Breakdown Estimate worksheet are contractor bid prices, the Departmental actual bid quantities and costs will be separated by the same percentage, as the per bid item estimate reflected on the Project Breakdown Estimate worksheet.
5. The Department of Public Works will administer the construction contract and provide construction management (contract administration and construction inspection assistance). Public Works Department will charge Tacoma Water for the additional incremental contract administration time associated with Tacoma Water's scope of work. Tacoma Water will compensate the Public Works Department in the amount of 3% of the lowest responsible bidder's water base bid plus the shared item costs less force account bid items and sales tax. The estimated cost for the Tacoma Water portion of contract administration is \$52,655.43. This amount will be transferred to the Department of Public Works 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.

6. Tacoma Water will be responsible for the daily inspection and surveying of the water main construction. Tacoma Water, Public Works and Environmental Services inspections will be a cooperative and coordinated effort.
7. Tacoma Water has provided the following WBSE for charging these construction costs:
 - o WTR-00604-01-07-03 Construction Payments
8. Project participation is subject to Public Utility Board Approval.

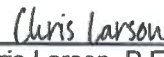
We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, the Department of Public Works, and Tacoma Water. Tacoma Water's water-related project construction costs is \$1,821,431.15 plus a contract administration cost of \$52,655.43 for a cumulative total of \$1,874,086.58 plus applicable taxes and contingencies. Payment by Tacoma Water will be made for the actual quantities and costs incurred during project closeout. By signature, please indicate your approval to proceed with this joint project.



Jessica Knickerbocker, P.E.
Planning & Engineering Assistant Division Manager
Tacoma Water

09/14/2021

Date



Chris Larson, P.E.
Engineering Division Manager
Public Works

09/14/2021

Date

Attachment: Exhibit-A

Cc: Sue O'Neill, Public Works, Engineering Division
Geff Yotter, Planning & Engineering, Tacoma Water
Tina Dunn, Public Works, Engineering Division

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
Roadway Bid Items R-1 through R-50									
R1	Training, per hour	HR	1,000	\$6.29	\$6,290.00	\$0.01	\$10.00	-	-
R2	Test Hole, per linear foot	LF	100	\$50.00	\$5,000.00	\$130.00	\$13,000.00	-	-
R3	Roadway Excavation of Non-Contaminated Material, Incl. Haul, per cubic yard	CY	470	\$60.00	\$28,200.00	\$55.00	\$25,850.00	-	-
R4	Roadway Excavation of Contaminated Material, Incl. Haul, per cubic yard	CY	460	\$120.00	\$55,200.00	\$150.00	\$69,000.00	-	-
R5	Gravel Borrow Incl. Haul, per ton	TN	100	\$30.00	\$3,000.00	\$41.50	\$4,150.00	-	-
R6	Structure Excavation Class B Incl. Haul - Non-contaminated, per cubic yard	CY	50	\$60.00	\$3,000.00	\$33.00	\$1,650.00	-	-
R7	Structure Excavation Class B Incl. Haul - Contaminated, per cubic yard	CY	130	\$120.00	\$15,600.00	\$119.00	\$15,470.00	-	-
R8	Remove Existing Pavement, Type I, Class C8, per square yard	SY	1,514	\$18.00	\$27,252.00	\$29.50	\$44,663.00	-	-
R9	Remove Existing Pavement, Type I, Class CA, per square yard	SY	3,990	\$25.00	\$99,750.00	\$19.00	\$75,810.00	-	-
R10	Remove Existing Pavement, Type I, Class C12, per square yard	SY	1,420	\$28.00	\$39,760.00	\$28.00	\$39,760.00	-	-
R11	Remove Curb, per linear foot	LF	2,846	\$10.00	\$28,460.00	\$7.50	\$21,345.00	-	-
R12	Crushed Surfacing Top Course, per ton	TN	700	\$35.00	\$24,500.00	\$43.00	\$30,100.00	-	-
R13	Cement Conc. Pavement, 10-Inch Section, per square yard	SY	1,549	\$160.00	\$246,400.00	\$113.00	\$174,020.00	-	-
R14	Traffic Island Concrete Pavement, 7-Inch Section, per square yard	SY	70	\$300.00	\$21,000.00	\$210.00	\$14,700.00	-	-
R15	Adjust Existing Valve Chamber to Grade, per each	EA	20	\$500.00	\$10,000.00	\$585.00	\$11,700.00	-	-
R16	Inlet Protection, per each	EA	50	\$100.00	\$5,000.00	\$92.00	\$4,600.00	-	-
R17	Cement Conc. Traffic Curb and Gutter, per linear foot	LF	3,460	\$20.00	\$69,200.00	\$36.00	\$124,560.00	-	-
R18	Mountable Traffic Island Curb, per linear foot	LF	300	\$50.00	\$15,000.00	\$61.00	\$18,300.00	-	-
R19	Cement Conc. Pedestrian Curb, per linear foot	LF	100	\$30.00	\$3,000.00	\$30.00	\$3,000.00	-	-
R20	Cement Conc. Driveway Entrance, per square yard	SY	50	\$120.00	\$6,000.00	\$166.00	\$8,300.00	-	-
R21	Raised Pavement Marker Type 1, per hundred	Hund.	13	\$100.00	\$1,300.00	\$520.00	\$6,760.00	-	-
R22	Raised Pavement Marker Type 2, per hundred	Hund.	5	\$100.00	\$500.00	\$630.00	\$3,150.00	-	-
R23	Low-Profile Plastic Curbing with Delineators, per linear foot	LF	100	\$50.00	\$5,000.00	\$82.00	\$8,200.00	-	-
R24	Chain Link Fence Type 3, per linear foot	LF	80	\$50.00	\$4,000.00	\$131.00	\$10,480.00	-	-
R25	Monument in Case, per each	EA	8	\$800.00	\$6,400.00	\$777.00	\$6,216.00	-	-
R26	Cement Conc. Sidewalk, per square yard	SY	1,042	\$60.00	\$62,520.00	\$53.50	\$55,747.00	-	-
R27	Cement Conc. Curb Ramp, per each	EA	51	\$2,400.00	\$122,400.00	\$2,675.00	\$136,425.00	-	-
R28	Detectable Warning Surface, per square foot	SF	50	\$20.00	\$1,000.00	\$170.00	\$8,500.00	-	-
R29	Quarry Spalls, per ton	TN	10	\$150.00	\$1,500.00	\$64.00	\$640.00	-	-
R30	Painted Curb, per linear foot	LF	75	\$1.00	\$75.00	\$5.50	\$412.50	-	-
R31	Plastic Line, per linear foot	LF	3,600	\$1.00	\$3,600.00	\$2.00	\$7,200.00	-	-
R32	Plastic Wide Dotted Entry Line, per linear foot	LF	100	\$1.50	\$150.00	\$5.50	\$550.00	-	-
R33	Plastic Wide Lane Line, per linear foot	LF	2,000	\$2.00	\$4,000.00	\$2.00	\$4,000.00	-	-
R34	Plastic Crosswalk Line, per linear foot	LF	4,000	\$2.20	\$8,800.00	\$4.25	\$17,000.00	-	-
R35	Plastic Crosshatch Marking, per linear foot	LF	200.0	\$2.20	\$440.00	\$9.00	\$1,800.00	-	-
R36	Plastic Stop Line, per linear foot	LF	500	\$4.00	\$2,000.00	\$6.50	\$3,250.00	-	-
R37	Plastic Traffic Arrow, per each	EA	28	\$70.00	\$1,960.00	\$115.00	\$3,220.00	-	-
R38	Plastic Traffic Letter, per each	EA	72	\$35.00	\$2,520.00	\$82.00	\$5,904.00	-	-
R39	Plastic Sharrow Symbol, per each	EA	42	\$90.00	\$3,780.00	\$400.00	\$16,800.00	-	-
R40	Plastic Bicycle Lane Symbol, per each	EA	30	\$90.00	\$2,700.00	\$400.00	\$12,000.00	-	-
R41	Green Durable Product, per square foot	SF	30	\$5.00	\$150.00	\$33.00	\$990.00	-	-
R42	Plastic Access Parking Space Symbol with Background, per each	EA	5	\$200.00	\$1,000.00	\$220.00	\$1,100.00	-	-
R43	Plastic Speed Bump Symbol, per each	EA	4	\$100.00	\$400.00	\$303.00	\$1,212.00	-	-
SubTotal, Group R Unit Bid Item Nos. R-1 through R-43					\$947,807.00		\$1,011,544.50		\$0.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
Force Account Items									
R44	Certified Arborist Assessment Report Compliance, by force account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R45	Existing Irrigation Systems, by force account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R46	Field Adjustment, by Force Account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R47	Minor Change, by force account	EST	1	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	-	-
R48	Archaeological and Historical Objects Monitor	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R49	Dewatering, by Force Account	EST	1	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	31.25%	\$6,250.00
R50	Structure Excavation Class B Incl. Haul -- Contaminated CID, by Force	EST	1	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	-	-
					\$60,000.00		\$60,000.00		\$6,250.00
	Total, Group R				\$1,007,807.00		\$1,071,544.50		\$6,250.00
Group-A: Asphalt Paving Bid Items A-1 through A-7									
A-1	Recycled Concrete Aggregate, per ton	TN	3390	\$30.00	\$101,700.00	\$32.50	\$110,175.00	-	-
A-2	Planing Bituminous Pavement, per square yard	SY	20200	\$8.00	\$161,600.00	\$7.50	\$151,500.00	-	-
A-3	Temporary Pavement Patch, per ton	TN	100	\$150.00	\$15,000.00	\$219.00	\$21,900.00	-	-
A-4	HMA for Preleveling CL 3/8" PG 58H-22, per ton	TN	1500	\$100.00	\$150,000.00	\$109.00	\$163,500.00	-	-
A-5	Fiber Reinforced HMA CL 1/2" PG 58H-22, per ton	TN	3400	\$100.00	\$340,000.00	\$120.00	\$408,000.00	-	-
A-6	Fiberglass Interlay Grid, per square yard	SY	890	\$40.00	\$35,600.00	\$16.00	\$14,240.00	-	-
A-7	HMA for Approach CL 3/8" PG 58H-22, per square yard	SY	30	\$125.00	\$3,750.00	\$73.00	\$2,190.00	-	-
	SubTotal, Group A Unit Bid Item Nos. A-1 through A-7				\$807,650.00		\$871,505.00		\$0.00
Group-P: Power Bid Items P-1 through P-9									
P-1	Structure Excavation Class B Incl. Haul - Contaminated, per cubic yard	CY	571	\$120.00	\$68,520.00	\$38.50	\$21,983.50	-	-
P-2	Structure Excavation Class B Incl. Haul -- Hazardous Waste, per cubic yard	CY	134	\$150.00	\$20,100.00	\$143.50	\$19,229.00	-	-
P-3	Power Utility Vault, per each	EA	2	\$40,000.00	\$80,000.00	\$56,950.00	\$113,900.00	-	-
P-4	Conduit Bank, Section A, per linear foot	LF	75	\$65.00	\$4,875.00	\$290.00	\$21,750.00	-	-
P-5	Conduit Bank, Section B, per linear foot	LF	140	\$60.00	\$8,400.00	\$303.50	\$42,490.00	-	-
P-6	Conduit Bank, Section C, per linear foot	LF	370	\$60.00	\$22,200.00	\$249.00	\$92,130.00	-	-
P-7	Conduit Bank, Section D, per linear foot	LF	195	\$60.00	\$11,700.00	\$237.00	\$46,215.00	-	-
P-8	Conduit Bank, Section E, per linear foot	LF	170	\$20.00	\$3,400.00	\$140.00	\$23,800.00	-	-
P-9	Electronic Tracer Ball, per each	EA	4	\$25.00	\$100.00	\$660.00	\$2,640.00	-	-
	SubTotal, Group P Unit Bid Item Nos. P-1 through P-9				\$219,295.00		\$384,137.50		\$0.00
	10.3% Sales Tax on Power Bid Items				\$22,587.39		\$39,566.16		\$0.00
	Total, Group P				\$241,882.39		\$423,703.66		\$0.00
Group-L: Lump Sum Bid Items L-1 through L-29									
L-1	Roadway Surveying	LS	1	\$100,000.00	\$100,000.00	\$51,180.00	\$51,180.00	-	-
L-2	Record Drawings (Minimum Bid \$5,000.00)	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
L-3	SPCC Plan	LS	1	\$1,000.00	\$1,000.00	\$150.00	\$150.00	25.00%	\$37.50
L-4	Mobilization	LS	1	\$300,000.00	\$300,000.00	\$464,604.85	\$464,604.85	-	-
L-5	Pedestrian Traffic Control	LS	1	\$50,000.00	\$50,000.00	\$8,500.00	\$8,500.00	25.00%	\$2,125.00
L-6	Project Temporary Traffic Control	LS	1	\$300,000.00	\$300,000.00	\$450,000.00	\$450,000.00	-	-
L-7	Clearing and Grubbing	LS	1	\$35,000.00	\$35,000.00	\$8,750.00	\$8,750.00	-	-
L-8	Certified Arborist	LS	1	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	25.00%	\$1,375.00
L-9	Removal of Structures and Obstructions	LS	1	\$10,000.00	\$10,000.00	\$80,000.00	\$80,000.00	-	-
L-10	Subgrade Maintenance and Protection	LS	1	\$10,000.00	\$10,000.00	\$250.00	\$250.00	-	-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
L-11	Site Health and Safety Plan	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-12	Site Health and Safety Officer	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-13	Soil Management Plan	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-14	Erosion Control and Water Pollution Prevention	LS	1	\$12,000.00	\$12,000.00	\$25,000.00	\$25,000.00	25.00%	\$6,250.00
L-15	Stormwater Pollution Prevention Plan (SWPPP)	LS	1	\$1,000.00	\$1,000.00	\$150.00	\$150.00	25.00%	\$37.50
L-16	NPDES Construction Stormwater General Permit	LS	1	\$2,000.00	\$2,000.00	\$3,350.00	\$3,350.00	25.00%	\$837.50
L-17	Dewatering Plan and SAD permit	LS	1	\$1,000.00	\$1,000.00	\$25,000.00	\$25,000.00	25.00%	\$6,250.00
L-18	Roadside Restoration	LS	1	\$30,000.00	\$30,000.00	\$5,000.00	\$5,000.00	-	-
L-19	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 15th St., Complete	LS	1	\$114,000.00	\$114,000.00	\$105,000.00	\$105,000.00	-	-
L-20	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 13th St., Complete	LS	1	\$114,000.00	\$114,000.00	\$95,000.00	\$95,000.00	-	-
L-21	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 11th St., Complete	LS	1	\$92,000.00	\$92,000.00	\$96,000.00	\$96,000.00	-	-
L-22	Modifications of Existing Traffic Signal System at intersection of Fawcett Ave & S 9th St., Complete	LS	1	\$148,000.00	\$148,000.00	\$167,000.00	\$167,000.00	-	-
L-23	Modifications of Existing Flashing Beacon System at intersection of Fawcett Ave & S 6th Ave., Complete	LS	1	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	-	-
L-24	HAWK Beacon System at Fawcett Avenue and S 19th Street, Complete	LS	1	\$230,000.00	\$230,000.00	\$290,000.00	\$290,000.00	-	-
L-25	Permanent Signing	LS	1	\$30,000.00	\$30,000.00	\$78,000.00	\$78,000.00	-	-
L-26	Temporary Storm Bypass Plan	LS	1	\$1,000.00	\$1,000.00	\$250.00	\$250.00	-	-
L-27	Temporary Storm Sewer Bypass	LS	1	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	-	-
L-28	Temporary Sanitary Bypass Plan	LS	1	\$1,000.00	\$1,000.00	\$250.00	\$250.00	-	-
L-29	Temporary Sanitary Sewer Bypass	LS	1	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00	-	-
SubTotal, Group L Unit Bid Item Nos. L-1 through L-29					\$1,627,500.00		\$2,019,384.85		\$17,025.00

Group SD: Storm Sewer Bid Items SD-1 through SD-23

SD-1	Structure Excavation Class B Incl. Haul - Non-contaminated, per cubic yard	CY	500	\$60.00	\$30,000.00	\$33.50	\$16,750.00	-	-
SD-2	Structure Excavation Class B Incl Haul - Contaminated, per cubic yard	CY	110	\$120.00	\$13,200.00	\$128.00	\$14,080.00	-	-
SD-3	Gravel Backfill for Walls, per cubic yard	CY	390	\$30.00	\$11,700.00	\$53.00	\$20,670.00	-	-
SD-4	Shoring or Extra Excavation Class B, per square foot	SF	6200	\$2.00	\$12,400.00	\$0.05	\$310.00	-	-
SD-5	Remove Existing Pavement, Type II, Class CA, per square yard	SY	660	\$25.00	\$16,500.00	\$23.50	\$15,510.00	-	-
SD-6	Remove Manhole, per each	EA	1	\$1,000.00	\$1,000.00	\$1,125.00	\$1,125.00	-	-
SD-7	Remove Catch Basin, per each	EA	27	\$500.00	\$13,500.00	\$430.00	\$11,610.00	-	-
SD-8	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	EA	13	\$1,000.00	\$13,000.00	\$970.00	\$12,610.00	-	-
SD-9	Adjust Existing Catch Basin, Furnish New Frame and Grate, per each	EA	14	\$500.00	\$7,000.00	\$805.00	\$11,270.00	-	-
SD-10	Adjust Existing Manhole, Furnish new Frame and Cover, per each	EA	19	\$950.00	\$18,050.00	\$1,170.00	\$22,230.00	-	-
SD-11	Manhole 48-In. Diam. Type 1, per each	EA	2	\$5,000.00	\$10,000.00	\$5,425.00	\$10,850.00	-	-
SD-12	Manhole 48-In. Diam. Type 3 with CIP Base, per each	EA	1	\$5,000.00	\$5,000.00	\$8,400.00	\$8,400.00	-	-
SD-13	Manhole 48-In. Diam. Type 1 with CIP Base, per each	EA	1	\$7,500.00	\$7,500.00	\$8,875.00	\$8,875.00	-	-
SD-14	Catch Basin Type 1, per each	EA	4	\$1,300.00	\$5,200.00	\$1,300.00	\$5,200.00	-	-
SD-15	Catch Basin Type 1 with Combination Inlet, per each	EA	23	\$1,400.00	\$32,200.00	\$1,650.00	\$37,950.00	-	-
SD-16	Catch Basin Type 2, 48-In. Diam., per each	EA	1	\$5,000.00	\$5,000.00	\$4,700.00	\$4,700.00	-	-
SD-17	30" x 60" Type BB Inlet, per each	EA	7	\$2,500.00	\$17,500.00	\$8,000.00	\$56,000.00	-	-
SD-18	Connect New Sewer Pipe 12-In. Diam. to Existing Structure, per each	EA	16	\$1,100.00	\$17,600.00	\$1,015.00	\$16,240.00	-	-
SD-19	CDF for Pipe Abandonment, per cubic yard	CY	20	\$50.00	\$1,000.00	\$305.00	\$6,100.00	-	-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
SD-20	PVC Storm Sewer Pipe 12-In. Diam., per linear foot	LF	450	\$50.00	\$22,500.00	\$88.50	\$39,825.00	-	-
SD-21	Cl. III Reinf. Conc. Storm Sewer Pipe 12-In. Diam., per linear foot	LF	530	\$60.00	\$31,800.00	\$62.00	\$32,860.00	-	-
SD-22	Ductile Iron Storm Sewer Pipe 12-In. Diam., per linear foot	LF	41	\$100.00	\$4,100.00	\$87.00	\$3,567.00	-	-
SD-23	Testing Sewer Pipe, per linear foot	LF	980	\$3.00	\$2,940.00	\$4.50	\$4,410.00	-	-
Sub Total, Group SD Unit Bid Item Nos. SD-1 through SD-23					\$298,690.00		\$361,142.00		
Group S: Sanitary Sewer Bid Items S-1 through S-12									
S-1	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	CY	280	\$60.00	\$16,800.00	\$36.00	\$10,080.00	-	-
S-2	Gravel Backfill for Walls, per cubic yard	CY	220	\$38.00	\$8,360.00	\$49.00	\$10,780.00	-	-
S-3	Shoring or Extra Excavation Class B, per square foot	SF	2700	\$2.00	\$5,400.00	\$0.05	\$135.00	-	-
S-4	Remove Existing Pavement, Type II, Class CA, per square yard	SY	200	\$40.00	\$8,000.00	\$27.50	\$5,500.00	-	-
S-5	Remove Manhole, per each	EA	2	\$1,000.00	\$2,000.00	\$1,125.00	\$2,250.00	-	-
S-6	Adjust Existing Manhole, Furnish new Frame and Cover, per each	EA	15	\$1,000.00	\$15,000.00	\$1,500.00	\$22,500.00	-	-
S-7	Manhole 48-In. Diam. Type 1, per each	EA	2	\$3,000.00	\$6,000.00	\$5,400.00	\$10,800.00	-	-
S-8	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	EA	2	\$1,000.00	\$2,000.00	\$1,050.00	\$2,100.00	-	-
S-9	CDF for Pipe Abandonment, per cubic yard	CY	20	\$50.00	\$1,000.00	\$290.00	\$5,800.00	-	-
S-10	PVC Sanitary Sewer Pipe 8-In. Diam., per linear foot	LF	30	\$125.00	\$3,750.00	\$116.00	\$3,480.00	-	-
S-11	PVC Sanitary Sewer Pipe 12-In. Diam., per linear foot	LF	300	\$55.00	\$16,500.00	\$80.00	\$24,000.00	-	-
S-12	Testing Sewer Pipe, per linear foot	LF	330	\$3.00	\$990.00	\$7.00	\$2,310.00	-	-
Sub Total, Group S Unit Bid Item Nos. S-1 through S-12					\$85,800.00		\$99,735.00		\$0.00
10.3% Sales Tax on Sanitary Sewer Main Extension Bid Items					\$8,837.40		\$10,272.71		\$0.00
Total, Group S					\$94,637.40		\$110,007.71		\$0.00
Group W: Water Main Bid Items S-1 through S-12									
1	Mobilization (1-09.7)	LS	1	\$136,000.00	\$136,000.00	\$1,000.00	\$1,000.00	100.00%	\$1,000.00
2	Project Temporary Traffic Control (1-10)	LS	1	\$70,000.00	\$70,000.00	\$5,000.00	\$5,000.00	100.00%	\$5,000.00
3	Removal/Disposal of existing asphalt, concrete sidewalk/curbing & concrete pavement. Includes all thicknesses and combinations (2-02.3(3))	SY	4623	\$10.00	\$46,230.00	\$19.00	\$87,837.00	100.00%	\$87,837.00
4	Temporary HMA Class ½" PG58-22, 2-inch minimum depth, installed & removed (5-04 & 9-03.8)	SY	4623	\$25.00	\$115,575.00	\$47.00	\$217,281.00	100.00%	\$217,281.00
5	HMA CI ½" PG58-22 pavement for permanent trench patch (5-04 & 9-03.8)-6" in Depth	TN	782	\$150.00	\$117,300.00	\$163.00	\$127,466.00	100.00%	\$127,466.00
6	Crushed Surfacing Top Course for trench backfill (7-09.5 & 9-03.9(3))	TN	5642	\$25.00	\$141,050.00	\$25.00	\$141,050.00	100.00%	\$141,050.00
7	Storm, Sanitary, Side Sewer Restoration (7-04, 7-09.5, 7-17, & 7-18)	EA	8	\$500.00	\$4,000.00	\$1,220.00	\$9,760.00	100.00%	\$9,760.00
8	Trench Excavation & Haul of Contaminated Material (2-13, 7-09.4, & 7-09.5)	CY	672	\$100.00	\$67,200.00	\$125.00	\$84,000.00	100.00%	\$84,000.00
9	Trench Excavation & Disposal (7-09.3(7) & 7-09.5)	CY	2932	\$20.00	\$58,640.00	\$36.00	\$105,552.00	100.00%	\$105,552.00
10	Trench Shoring (7-09.3(7) & 7-09.5)	LF	5283	\$1.00	\$5,283.00	\$0.05	\$264.15	100.00%	\$264.15
11	20-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test. (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	3	\$150.00	\$450.00	\$1,450.00	\$4,350.00	100.00%	\$4,350.00
12	12-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test. (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	5320	\$80.00	\$425,600.00	\$84.00	\$446,880.00	100.00%	\$446,880.00
13	8-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test. (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	176	\$65.00	\$11,440.00	\$67.00	\$11,792.00	100.00%	\$11,792.00
14	6-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test. (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	241	\$60.00	\$14,460.00	\$95.00	\$22,895.00	100.00%	\$22,895.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: FW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
15	4-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	27	\$50.00	\$1,350.00	\$126.00	\$3,402.00	100.00%	\$3,402.00
16	12-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	3	\$700.00	\$2,100.00	\$717.00	\$2,151.00	100.00%	\$2,151.00
17	12-inch x 8-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	3	\$500.00	\$1,500.00	\$580.00	\$1,680.00	100.00%	\$1,680.00
18	12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	13	\$450.00	\$5,850.00	\$550.00	\$7,150.00	100.00%	\$7,150.00
19	12-inch x 4-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	8	\$425.00	\$3,400.00	\$495.00	\$3,960.00	100.00%	\$3,960.00
20	12-inch x 6-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	EA	2	\$550.00	\$1,100.00	\$550.00	\$1,100.00	100.00%	\$1,100.00
21	12-inch x 4-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	EA	1	\$500.00	\$500.00	\$550.00	\$550.00	100.00%	\$550.00
22	20-inch x 12-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-09.9 & 9-30.2(1))	EA	2	\$850.00	\$1,700.00	\$1,680.00	\$3,320.00	100.00%	\$3,320.00
23	12-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-09.9 & 9-30.2(1))	EA	2	\$250.00	\$500.00	\$935.00	\$1,870.00	100.00%	\$1,870.00
24	6-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-09.9 & 9-30.2(1))	EA	1	\$150.00	\$150.00	\$790.00	\$790.00	100.00%	\$790.00
25	12-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	EA	2	\$1,000.00	\$2,000.00	\$855.00	\$1,710.00	100.00%	\$1,710.00
26	12-inch x 8-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	EA	1	\$650.00	\$650.00	\$680.00	\$680.00	100.00%	\$680.00
27	12-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	24	\$475.00	\$11,400.00	\$495.00	\$11,880.00	100.00%	\$11,880.00
28	12-inch Ductile Iron Ell, M.J., 22 1/2°, installed, (7-09. & 9-30.2(1))	EA	1	\$350.00	\$350.00	\$435.00	\$435.00	100.00%	\$435.00
29	8-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	6	\$200.00	\$1,200.00	\$245.00	\$1,470.00	100.00%	\$1,470.00
30	6-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$155.00	\$620.00	100.00%	\$620.00
31	12-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed, (7-09.5 & 9-30.2(1))	EA	1	\$450.00	\$450.00	\$475.00	\$475.00	100.00%	\$475.00
32	8-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed, (7-09.5 & 9-30.2(1))	EA	3	\$250.00	\$750.00	\$310.00	\$930.00	100.00%	\$930.00
33	20-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	2	\$3,500.00	\$7,000.00	\$1,910.00	\$3,820.00	100.00%	\$3,820.00
34	12-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	6	\$1,700.00	\$10,200.00	\$850.00	\$5,100.00	100.00%	\$5,100.00
35	8-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	1	\$1,100.00	\$1,100.00	\$575.00	\$575.00	100.00%	\$575.00
36	6-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	2	\$800.00	\$1,600.00	\$545.00	\$1,090.00	100.00%	\$1,090.00
37	20-inch Ductile Iron Cap, M.J., tapped 4", installed and removed (9-30.2(1) & 7-09.5)	EA	2	\$325.00	\$650.00	\$1,390.00	\$2,780.00	100.00%	\$2,780.00
38	12-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	15	\$250.00	\$3,750.00	\$270.00	\$4,050.00	100.00%	\$4,050.00
39	8-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	6	\$200.00	\$1,200.00	\$199.00	\$1,194.00	100.00%	\$1,194.00
40	6-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$750.00	\$3,000.00	100.00%	\$3,000.00
41	8-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$227.00	\$908.00	100.00%	\$908.00
42	6-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	7	\$95.00	\$665.00	\$785.00	\$5,495.00	100.00%	\$5,495.00
43	4-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	9	\$50.00	\$450.00	\$750.00	\$6,750.00	100.00%	\$6,750.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
44	Temporary 4-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	2	\$550.00	\$1,100.00	\$3,775.00	\$7,550.00	100.00%	\$7,550.00
45	Temporary 2-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	45	\$500.00	\$22,500.00	\$3,200.00	\$144,000.00	100.00%	\$144,000.00
46	20-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	6	\$550.00	\$3,300.00	\$445.00	\$2,670.00	100.00%	\$2,670.00
47	12-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	41	\$250.00	\$10,250.00	\$167.00	\$6,847.00	100.00%	\$6,847.00
48	8-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	22	\$175.00	\$3,850.00	\$89.00	\$1,958.00	100.00%	\$1,958.00
49	6-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	50	\$125.00	\$6,250.00	\$67.00	\$3,350.00	100.00%	\$3,350.00
50	4-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	18	\$100.00	\$1,800.00	\$55.00	\$990.00	100.00%	\$990.00
51	6-inch Push on Joint Restraining Gasket, installed 9-30.2(6))	EA	4	\$250.00	\$1,000.00	\$89.00	\$356.00	100.00%	\$356.00
52	Concrete Thrust Anchor, installed. (7-09.3(21) & 7-09.5)	EA	58	\$500.00	\$29,000.00	\$240.00	\$13,920.00	100.00%	\$13,920.00
53	Temporary Concrete Thrust Anchor, installed and removed (7-09.3(21) & 7-09.5)	EA	45	\$300.00	\$13,500.00	\$325.00	\$14,625.00	100.00%	\$14,625.00
54	Trench Compaction Test (as directed by the Inspector) (7-09.3(11) & 7-09.5)	EA	106	\$150.00	\$15,900.00	\$220.00	\$23,320.00	100.00%	\$23,320.00
55	Test Holes (See Special Provisions). (7-09.3(6) & 7-09.5)	LS	1	\$5,000.00	\$5,000.00	\$4,640.00	\$4,640.00	100.00%	\$4,640.00
56	12-inch Butterfly valve, M.J., ANSI/AWWA, C504, with C.I. valve box (7-12 & 9-30.3)	EA	20	\$2,050.00	\$41,000.00	\$3,750.00	\$75,000.00	100.00%	\$75,000.00
57	8-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	4	\$1,600.00	\$6,400.00	\$2,100.00	\$8,400.00	100.00%	\$8,400.00
58	6-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	14	\$1,200.00	\$16,800.00	\$1,600.00	\$22,400.00	100.00%	\$22,400.00
59	4-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	8	\$900.00	\$7,200.00	\$1,490.00	\$11,920.00	100.00%	\$11,920.00
60	6-inch Gate Valve, Flg x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9-30.3)	EA	2	\$1,500.00	\$3,000.00	\$16.00	\$32.00	100.00%	\$32.00
61	4-inch Gate Valve, Flg x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9-30.3)	EA	1	\$1,200.00	\$1,200.00	\$1,430.00	\$1,430.00	100.00%	\$1,430.00
62	6-inch Hydrant, M.J., 5.0-ft bury, with 4-inch Tacoma Standard Threads & 5-inch Quick Coupling (7-14 & 9-30.5(21))	EA	7	\$3,750.00	\$26,250.00	\$5,775.00	\$40,425.00	100.00%	\$40,425.00
63	Street cleaning with Self-propelled Pickup and Vacuum Street Sweeper Equipment. (8-01.3(8))	HR	69	\$100.00	\$6,900.00	\$149.00	\$10,281.00	100.00%	\$10,281.00
64	Force Account (1-09.6)	EST	1	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	100.00%	\$60,000.00
Sub-Total, Group WA					\$1,558,793.00		\$1,798,156.15		\$1,798,156.15
10.3% Sales Tax on Water Main Bid Items					\$160,555.68		\$185,210.08		\$185,210.08
TOTAL of BID, GROUP WA					\$1,719,348.68		\$1,983,366.23		\$1,983,366.23
GROUP R: Roadway Bid Items GROUP R TOTAL					\$1,007,807.00		\$1,071,544.50		\$6,250.00
GROUP A: Asphalt Paving Bid Items GROUP A TOTAL					\$807,650.00		\$871,505.00		-
GROUP P: Power Bid Items GROUP P SUB-TOTAL (less tax)					\$219,295.00		\$384,137.50		-
GROUP L: Lump Sum Bid Items GROUP L TOTAL					\$1,627,500.00		\$2,019,384.85		\$17,025.00
GROUP SD: Storm Sewer Bid Items GROUP SD TOTAL					\$298,690.00		\$361,142.00		-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
	GROUP S: Sanitary Sewer Bid Items GROUP S SUB-TOTAL (less tax)				\$85,800.00		\$99,735.00		-
	GROUP WA: Water Main Bid Items GROUP WA SUB-TOTAL (less tax)				\$1,558,793.00		\$1,798,156.15		\$1,798,156.15
	TOTAL BASE BID (LESS SALES TAX)				\$5,605,535.00		\$6,605,605.00		
	DBE = LESS SALES TAX & FA				\$5,485,535.00		\$6,485,605.00		
	BASE BID + FA - SALES TAX				\$5,605,535.00		\$6,605,605.00		

Tacoma Water Overview	
Item	Description
A	Bid Group W-SubTotal
B	Tax (10.3%)
C	Bid Group W-Total
D	Shared Lump Sum Bid Items
E	Shared Force Account Items
F	Total Shared
G	Admin Costs (3%)
	(A + D - \$60,000) * 3%
H	Total Construction Costs
	(A + F)
I	Cumulative Total (less tax, less cont.)
	(G + H)

Amount
\$1,798,156.15
\$185,210.08
\$1,983,366.23
\$17,025.00
\$6,250.00
\$23,275.00
\$52,655.43
\$1,821,431.15
\$1,874,086.58

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
Roadway Bid Items R-1 through R-50									
R1	Training, per hour	HR	1,000	\$6.29	\$6,290.00	\$0.01	\$10.00	-	-
R2	Test Hole, per linear foot	LF	100	\$50.00	\$5,000.00	\$130.00	\$13,000.00	-	-
R3	Roadway Excavation of Non-Contaminated Material, Incl. Haul, per cubic yard	CY	470	\$60.00	\$28,200.00	\$55.00	\$25,850.00	-	-
R4	Roadway Excavation of Contaminated Material, Incl. Haul, per cubic yard	CY	460	\$120.00	\$55,200.00	\$150.00	\$69,000.00	-	-
R5	Gravel Borrow Incl. Haul, per ton	TN	100	\$30.00	\$3,000.00	\$41.50	\$4,150.00	-	-
R6	Structure Excavation Class B Incl. Haul - Non-contaminated, per cubic yard	CY	50	\$60.00	\$3,000.00	\$33.00	\$1,650.00	-	-
R7	Structure Excavation Class B Incl. Haul - Contaminated, per cubic yard	CY	130	\$120.00	\$15,600.00	\$119.00	\$15,470.00	-	-
R8	Remove Existing Pavement, Type I, Class C8, per square yard	SY	1,514	\$18.00	\$27,252.00	\$29.50	\$44,663.00	-	-
R9	Remove Existing Pavement, Type I, Class C8, per square yard	SY	3,990	\$25.00	\$99,750.00	\$19.00	\$75,810.00	-	-
R10	Remove Existing Pavement, Type I, Class C12, per square yard	SY	1,420	\$28.00	\$39,760.00	\$28.00	\$39,760.00	-	-
R11	Remove Curb, per linear foot	LF	2,846	\$10.00	\$28,460.00	\$7.50	\$21,345.00	-	-
R12	Crushed Surfacing Top Course, per ton	TN	700	\$35.00	\$24,500.00	\$43.00	\$30,100.00	-	-
R13	Cement Conc. Pavement, 10-Inch Section, per square yard	SY	1,540	\$160.00	\$246,400.00	\$113.00	\$174,020.00	-	-
R14	Traffic Island Concrete Pavement, 7-Inch Section, per square yard	SY	70	\$300.00	\$21,000.00	\$210.00	\$14,700.00	-	-
R15	Adjust Existing Valve Chamber to Grade, per each	EA	20	\$500.00	\$10,000.00	\$585.00	\$11,700.00	-	-
R16	Inlet Protection, per each	EA	50	\$100.00	\$5,000.00	\$92.00	\$4,600.00	-	-
R17	Cement Conc. Traffic Curb and Gutter, per linear foot	LF	3,480	\$20.00	\$69,200.00	\$36.00	\$125,560.00	-	-
R18	Mountable Traffic Island Curb, per linear foot	LF	300	\$50.00	\$15,000.00	\$61.00	\$18,300.00	-	-
R19	Cement Conc. Pedestrian Curb, per linear foot	LF	100	\$30.00	\$3,000.00	\$30.00	\$3,000.00	-	-
R20	Cement Conc. Driveway Entrance, per square yard	SY	50	\$120.00	\$6,000.00	\$166.00	\$8,300.00	-	-
R21	Raised Pavement Marker Type 1, per hundred	Hund.	13	\$100.00	\$1,300.00	\$520.00	\$6,760.00	-	-
R22	Raised Pavement Marker Type 2, per hundred	Hund.	5	\$100.00	\$500.00	\$630.00	\$3,150.00	-	-
R23	Low-Profile Plastic Curbing with Delineators, per linear foot	LF	100	\$50.00	\$5,000.00	\$82.00	\$8,200.00	-	-
R24	Chain Link Fence Type 3, per linear foot	LF	80	\$50.00	\$4,000.00	\$131.00	\$10,480.00	-	-
R25	Monument In Case, per each	EA	9	\$800.00	\$6,400.00	\$777.00	\$6,993.00	-	-
R26	Cement Conc. Sidewalk, per square yard	SY	1,042	\$60.00	\$62,520.00	\$53.50	\$55,747.00	-	-
R27	Cement Conc. Curb Ramp, per each	EA	51	\$2,400.00	\$122,400.00	\$2,675.00	\$136,425.00	-	-
R28	Detectable Warning Surface, per square foot	SF	50	\$20.00	\$1,000.00	\$170.00	\$8,500.00	-	-
R29	Quarry Spalls, per ton	TN	10	\$150.00	\$1,500.00	\$64.00	\$640.00	-	-
R30	Painted Curb, per linear foot	LF	75	\$1.00	\$75.00	\$5.50	\$412.50	-	-
R31	Plastic Line, per linear foot	LF	3,600	\$1.00	\$3,600.00	\$2.00	\$7,200.00	-	-
R32	Plastic Wide Dotted Entry Line, per linear foot	LF	100	\$1.50	\$150.00	\$5.50	\$550.00	-	-
R33	Plastic Wide Lane Line, per linear foot	LF	2,000	\$2.00	\$4,000.00	\$2.00	\$4,000.00	-	-
R34	Plastic Crosswalk Line, per linear foot	LF	4,000	\$2.20	\$8,800.00	\$4.25	\$17,000.00	-	-
R35	Plastic Crosshatch Marking, per linear foot	LF	200.0	\$2.20	\$440.00	\$9.00	\$1,800.00	-	-
R36	Plastic Stop Line, per linear foot	LF	500	\$4.00	\$2,000.00	\$6.50	\$3,250.00	-	-
R37	Plastic Traffic Arrow, per each	EA	28	\$70.00	\$1,960.00	\$115.00	\$3,220.00	-	-
R38	Plastic Traffic Letter, per each	EA	72	\$35.00	\$2,520.00	\$82.00	\$5,904.00	-	-
R39	Plastic Sharrow Symbol, per each	EA	42	\$90.00	\$3,780.00	\$400.00	\$16,800.00	-	-
R40	Plastic Bicycle Lane Symbol, per each	EA	30	\$90.00	\$2,700.00	\$400.00	\$12,000.00	-	-
R41	Green Durable Product, per square foot	SF	30	\$5.00	\$150.00	\$33.00	\$990.00	-	-
R42	Plastic Access Parking Space Symbol with Background, per each	EA	5	\$200.00	\$1,000.00	\$220.00	\$1,100.00	-	-
R43	Plastic Speed Bump Symbol, per each	EA	4	\$100.00	\$400.00	\$303.00	\$1,212.00	-	-
SubTotal, Group R Unit Bid Item Nos. R-1 through R-43					\$947,807.00		\$1,011,544.50		\$0.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
Force Account Items									
R44	Certified Arborist Assessment Report Compliance, by force account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R45	Existing Irrigation Systems, by force account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R46	Field Adjustment, by Force Account	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R47	Minor Change, by force account	EST	1	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	-	-
R48	Archaeological and Historical Objects Monitor	EST	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
R49	Dewatering, by Force Account	EST	1	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	31.25%	\$6,250.00
R50	Structure Excavation Class B Incl. Haul – Contaminated CID, by Force	EST	1	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	-	-
					\$60,000.00		\$60,000.00		\$6,250.00
	Total, Group R				\$1,007,807.00		\$1,071,544.50		\$6,250.00
Group-A: Asphalt Paving Bid Items A-1 through A-7									
A-1	Recycled Concrete Aggregate, per ton	TN	3390	\$30.00	\$101,700.00	\$32.50	\$110,175.00	-	-
A-2	Planing Bituminous Pavement, per square yard	SY	20200	\$8.00	\$161,600.00	\$7.50	\$151,500.00	-	-
A-3	Temporary Pavement Patch, per ton	TN	100	\$150.00	\$15,000.00	\$219.00	\$21,900.00	-	-
A-4	HMA for Preleveling CL 3/8" PG 58H-22, per ton	TN	1500	\$100.00	\$150,000.00	\$109.00	\$163,500.00	-	-
A-5	Fiber Reinforced HMA CL 1/2" PG 58H-22, per ton	TN	3400	\$100.00	\$340,000.00	\$120.00	\$408,000.00	-	-
A-6	Fiberglass Interlay Grid, per square yard	SY	890	\$40.00	\$35,600.00	\$16.00	\$14,240.00	-	-
A-7	HMA for Approach CL 3/8" PG 58H-22, per square yard	SY	30	\$125.00	\$3,750.00	\$73.00	\$2,190.00	-	-
	SubTotal, Group A Unit Bid Item Nos. A-1 through A-7				\$807,650.00		\$871,505.00		\$0.00
Group-P: Power Bid Items P-1 through P-9									
P-1	Structure Excavation Class B Incl. Haul - Contaminated, per cubic yard	CY	571	\$120.00	\$68,520.00	\$38.50	\$21,983.50	-	-
P-2	Structure Excavation Class B Incl. Haul – Hazardous Waste, per cubic yard	CY	134	\$150.00	\$20,100.00	\$143.50	\$19,229.00	-	-
P-3	Power Utility Vault, per each	EA	2	\$40,000.00	\$80,000.00	\$56,950.00	\$113,900.00	-	-
P-4	Conduit Bank, Section A, per linear foot	LF	75	\$65.00	\$4,875.00	\$290.00	\$21,750.00	-	-
P-5	Conduit Bank, Section B, per linear foot	LF	140	\$60.00	\$8,400.00	\$303.50	\$42,490.00	-	-
P-6	Conduit Bank, Section C, per linear foot	LF	370	\$60.00	\$22,200.00	\$249.00	\$92,130.00	-	-
P-7	Conduit Bank, Section D, per linear foot	LF	195	\$60.00	\$11,700.00	\$237.00	\$46,215.00	-	-
P-8	Conduit Bank, Section E, per linear foot	LF	170	\$20.00	\$3,400.00	\$140.00	\$23,800.00	-	-
P-9	Electronic Tracer Ball, per each	EA	4	\$25.00	\$100.00	\$650.00	\$2,640.00	-	-
	SubTotal, Group P Unit Bid Item Nos. P-1 through P-9				\$219,295.00		\$384,137.50		\$0.00
	10.3% Sales Tax on Power Bid Items				\$22,587.39		\$39,566.16		\$0.00
	Total, Group P				\$241,882.39		\$423,703.66		\$0.00
Group-L: Lump Sum Bid Items L-1 through L-29									
L-1	Roadway Surveying	LS	1	\$100,000.00	\$100,000.00	\$51,180.00	\$51,180.00	-	-
L-2	Record Drawings (Minimum Bid \$5,000.00)	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	-	-
L-3	SPCC Plan	LS	1	\$1,000.00	\$1,000.00	\$150.00	\$150.00	25.00%	\$37.50
L-4	Mobilization	LS	1	\$300,000.00	\$300,000.00	\$464,604.85	\$464,604.85	-	-
L-5	Pedestrian Traffic Control	LS	1	\$50,000.00	\$50,000.00	\$8,500.00	\$8,500.00	25.00%	\$2,125.00
L-6	Project Temporary Traffic Control	LS	1	\$300,000.00	\$300,000.00	\$450,000.00	\$450,000.00	-	-
L-7	Clearing and Grubbing	LS	1	\$35,000.00	\$35,000.00	\$8,750.00	\$8,750.00	-	-
L-8	Certified Arborist	LS	1	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	25.00%	\$1,375.00
L-9	Removal of Structures and Obstructions	LS	1	\$10,000.00	\$10,000.00	\$80,000.00	\$80,000.00	-	-
L-10	Subgrade Maintenance and Protection	LS	1	\$10,000.00	\$10,000.00	\$250.00	\$250.00	-	-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
L-11	Site Health and Safety Plan	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-12	Site Health and Safety Officer	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-13	Soil Management Plan	LS	1	\$500.00	\$500.00	\$150.00	\$150.00	25.00%	\$37.50
L-14	Erosion Control and Water Pollution Prevention	LS	1	\$12,000.00	\$12,000.00	\$25,000.00	\$25,000.00	25.00%	\$6,250.00
L-15	Stormwater Pollution Prevention Plan (SWPPP)	LS	1	\$1,000.00	\$1,000.00	\$150.00	\$150.00	25.00%	\$37.50
L-16	NPDES Construction Stormwater General Permit	LS	1	\$2,000.00	\$2,000.00	\$3,350.00	\$3,350.00	25.00%	\$837.50
L-17	Dewatering Plan and SAD permit	LS	1	\$1,000.00	\$1,000.00	\$25,000.00	\$25,000.00	25.00%	\$6,250.00
L-18	Roadside Restoration	LS	1	\$30,000.00	\$30,000.00	\$5,000.00	\$5,000.00	-	-
L-19	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 15th St., Complete	LS	1	\$114,000.00	\$114,000.00	\$105,000.00	\$105,000.00	-	-
L-20	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 13th St., Complete	LS	1	\$114,000.00	\$114,000.00	\$95,000.00	\$95,000.00	-	-
L-21	Modification of Existing Traffic Signal System at intersection of Fawcett Ave & S 11th St., Complete	LS	1	\$92,000.00	\$92,000.00	\$96,000.00	\$96,000.00	-	-
L-22	Modifications of Existing Traffic Signal System at intersection of Fawcett Ave & S 9th St., Complete	LS	1	\$148,000.00	\$148,000.00	\$167,000.00	\$167,000.00	-	-
L-23	Modifications of Existing Flashing Beacon System at intersection of Fawcett Ave & S 6th Ave., Complete	LS	1	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	-	-
L-24	HAWK Beacon System at Fawcett Avenue and S 19th Street, Complete	LS	1	\$230,000.00	\$230,000.00	\$290,000.00	\$290,000.00	-	-
L-25	Permanent Signing	LS	1	\$30,000.00	\$30,000.00	\$78,000.00	\$78,000.00	-	-
L-26	Temporary Storm Bypass Plan	LS	1	\$1,000.00	\$1,000.00	\$250.00	\$250.00	-	-
L-27	Temporary Storm Sewer Bypass	LS	1	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	-	-
L-28	Temporary Sanitary Bypass Plan	LS	1	\$1,000.00	\$1,000.00	\$250.00	\$250.00	-	-
L-29	Temporary Sanitary Sewer Bypass	LS	1	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00	-	-
Sub Total, Group L Unit Bid Item Nos. L-1 through L-29					\$1,627,500.00		\$2,019,384.85		\$17,025.00

Group SD: Storm Sewer Bid Items SD-1 through SD-23									
SD-1	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	CY	500	\$60.00	\$30,000.00	\$33.50	\$16,750.00	-	-
SD-2	Structure Excavation Class B Incl Haul – Contaminated, per cubic yard	CY	110	\$120.00	\$13,200.00	\$128.00	\$14,080.00	-	-
SD-3	Gravel Backfill for Walls, per cubic yard	CY	390	\$30.00	\$11,700.00	\$53.00	\$20,670.00	-	-
SD-4	Shoring or Extra Excavation Class B, per square foot	SF	6200	\$2.00	\$12,400.00	\$0.95	\$310.00	-	-
SD-5	Remove Existing Pavement, Type II, Class CA, per square yard	SY	660	\$25.00	\$16,500.00	\$23.50	\$15,510.00	-	-
SD-6	Remove Manhole, per each	EA	1	\$1,000.00	\$1,000.00	\$1,125.00	\$1,125.00	-	-
SD-7	Remove Catch Basin, per each	EA	27	\$500.00	\$13,500.00	\$430.00	\$11,610.00	-	-
SD-8	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	EA	13	\$1,000.00	\$13,000.00	\$970.00	\$12,610.00	-	-
SD-9	Adjust Existing Catch Basin, Furnish New Frame and Grate, per each	EA	14	\$500.00	\$7,000.00	\$805.00	\$11,270.00	-	-
SD-10	Adjust Existing Manhole, Furnish new Frame and Cover, per each	EA	19	\$950.00	\$18,050.00	\$1,170.00	\$22,230.00	-	-
SD-11	Manhole 48-In. Diam. Type 1, per each	EA	2	\$5,000.00	\$10,000.00	\$5,425.00	\$10,850.00	-	-
SD-12	Manhole 48-In. Diam. Type 3 with CIP Base, per each	EA	1	\$5,000.00	\$5,000.00	\$8,400.00	\$8,400.00	-	-
SD-13	Manhole 48-In. Diam. Type 1 with CIP Base, per each	EA	1	\$7,500.00	\$7,500.00	\$8,875.00	\$8,875.00	-	-
SD-14	Catch Basin Type 1, per each	EA	4	\$1,300.00	\$5,200.00	\$1,300.00	\$5,200.00	-	-
SD-15	Catch Basin Type 1 with Combination Inlet, per each	EA	23	\$1,400.00	\$32,200.00	\$1,650.00	\$37,950.00	-	-
SD-16	Catch Basin Type 2, 48-In. Diam., per each	EA	1	\$5,000.00	\$5,000.00	\$4,700.00	\$4,700.00	-	-
SD-17	30" x 60" Type BB Inlet, per each	EA	7	\$2,500.00	\$17,500.00	\$8,000.00	\$56,000.00	-	-
SD-18	Connect New Sewer Pipe 12-In. Diam. to Existing Structure, per each	EA	16	\$1,100.00	\$17,600.00	\$1,015.00	\$16,240.00	-	-
SD-19	CDF for Pipe Abandonment, per cubic yard	CY	20	\$50.00	\$1,000.00	\$305.00	\$6,100.00	-	-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
SD-20	PVC Storm Sewer Pipe 12-In. Diam., per linear foot	LF	450	\$50.00	\$22,500.00	\$88.50	\$39,825.00	-	-
SD-21	Cl. III Reinf. Conc. Storm Sewer Pipe 12-In. Diam., per linear foot	LF	530	\$60.00	\$31,800.00	\$62.00	\$32,860.00	-	-
SD-22	Ductile Iron Storm Sewer Pipe 12-In. Diam., per linear foot	LF	41	\$100.00	\$4,100.00	\$87.00	\$3,567.00	-	-
SD-23	Testing Sewer Pipe, per linear foot	LF	980	\$3.00	\$2,940.00	\$4.50	\$4,410.00	-	-
SubTotal, Group SD Unit Bid Item Nos. SD-1 through SD-23					\$298,690.00		\$361,142.00		

Group-S: Sanitary Sewer Bid Items S-1 through S-12									
S-1	Structure Excavation Class B Incl. Haul – Non-contaminated, per cubic yard	CY	280	\$60.00	\$16,800.00	\$36.00	\$10,080.00	-	-
S-2	Gravel Backfill for Walls, per cubic yard	CY	220	\$38.00	\$8,360.00	\$49.00	\$10,780.00	-	-
S-3	Shoring or Extra Excavation Class B, per square foot	SF	2700	\$2.00	\$5,400.00	\$0.05	\$135.00	-	-
S-4	Remove Existing Pavement, Type II, Class CA, per square yard	SY	200	\$40.00	\$8,000.00	\$27.50	\$5,500.00	-	-
S-5	Remove Manhole, per each	EA	2	\$1,000.00	\$2,000.00	\$1,125.00	\$2,250.00	-	-
S-6	Adjust Existing Manhole, Furnish new Frame and Cover, per each	EA	15	\$1,000.00	\$15,000.00	\$1,500.00	\$22,500.00	-	-
S-7	Manhole 48-In. Diam. Type 1, per each	EA	2	\$3,000.00	\$6,000.00	\$5,400.00	\$10,800.00	-	-
S-8	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure, per each	EA	2	\$1,000.00	\$2,000.00	\$1,050.00	\$2,100.00	-	-
S-9	CDF for Pipe Abandonment, per cubic yard	CY	20	\$50.00	\$1,000.00	\$290.00	\$5,800.00	-	-
S-10	PVC Sanitary Sewer Pipe 6-In. Diam., per linear foot	LF	30	\$125.00	\$3,750.00	\$116.00	\$3,480.00	-	-
S-11	PVC Sanitary Sewer Pipe 12-In. Diam., per linear foot	LF	300	\$55.00	\$16,500.00	\$60.00	\$24,000.00	-	-
S-12	Testing Sewer Pipe, per linear foot	LF	330	\$3.00	\$990.00	\$7.00	\$2,310.00	-	-
SubTotal, Group S Unit Bid Item Nos. S-1 through S-12					\$85,800.00		\$99,735.00		\$0.00
10.3% Sales Tax on Sanitary Sewer Main Extension Bid Items					\$8,837.40		\$10,272.71		\$0.00
Total, Group S					\$94,637.40		\$110,007.71		\$0.00

Group-W: Water Main Bid Items S-1 through S-12									
1	Mobilization (1-09.7)	LS	1	\$136,000.00	\$136,000.00	\$1,000.00	\$1,000.00	100.00%	\$1,000.00
2	Project Temporary Traffic Control (1-10)	LS	1	\$70,000.00	\$70,000.00	\$5,000.00	\$5,000.00	100.00%	\$5,000.00
3	Removal/Disposal of existing asphalt, concrete sidewalk/curbing & concrete pavement. Includes all thicknesses and combinations (2-02.3(3))	SY	4623	\$10.00	\$46,230.00	\$19.00	\$87,837.00	100.00%	\$87,837.00
4	Temporary HMA Class ½" PG58-22, 2-inch minimum depth, installed & removed (5-04 & 9-03.8)	SY	4623	\$25.00	\$115,575.00	\$47.00	\$217,281.00	100.00%	\$217,281.00
5	HMA CI ½" PG58-22 pavement for permanent trench patch (5-04 & 9-03.8)-6" in Depth	TN	782	\$150.00	\$117,300.00	\$163.00	\$127,466.00	100.00%	\$127,466.00
6	Crushed Surfacing Top Course for trench backfill (7-09.5 & 9-03.9(3))	TN	5642	\$25.00	\$141,050.00	\$25.00	\$141,050.00	100.00%	\$141,050.00
7	Storm, Sanitary, Side Sewer Restoration (7-04.7-09.5, 7-17, & 7-18)	EA	8	\$500.00	\$4,000.00	\$1,220.00	\$9,760.00	100.00%	\$9,760.00
8	Trench Excavation & Haul of Contaminated Material (2-13, 7-09.4, & 7-09.5)	CY	672	\$100.00	\$67,200.00	\$125.00	\$84,000.00	100.00%	\$84,000.00
9	Trench Excavation & Disposal (7-09.3(7) & 7-09.5)	CY	2932	\$20.00	\$58,640.00	\$36.00	\$105,552.00	100.00%	\$105,552.00
10	Trench Shoring (7-09.3(7) & 7-09.5)	LF	5283	\$1.00	\$5,283.00	\$0.05	\$264.15	100.00%	\$264.15
11	20-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	3	\$150.00	\$450.00	\$1,450.00	\$4,350.00	100.00%	\$4,350.00
12	12-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	5320	\$80.00	\$425,600.00	\$84.00	\$446,880.00	100.00%	\$446,880.00
13	8-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	176	\$65.00	\$11,440.00	\$67.00	\$11,792.00	100.00%	\$11,792.00
14	6-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	241	\$60.00	\$14,460.00	\$95.00	\$22,895.00	100.00%	\$22,895.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
15	4-inch Ductile Iron Pipe, Push-On Joint, ANSI/AWWA, C151, Special Class Thickness No. 52, to furnish, lay and test, (7-09.3(15)A, 7-09.5 & 9-30.1(1))	LF	27	\$50.00	\$1,350.00	\$126.00	\$3,402.00	100.00%	\$3,402.00
16	12-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	3	\$700.00	\$2,100.00	\$717.00	\$2,151.00	100.00%	\$2,151.00
17	12-inch x 8-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	3	\$500.00	\$1,500.00	\$560.00	\$1,680.00	100.00%	\$1,680.00
18	12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	13	\$450.00	\$5,850.00	\$550.00	\$7,150.00	100.00%	\$7,150.00
19	12-inch x 4-inch Ductile Iron Tee, 3-B, M.J., installed (9-30.2(1))	EA	8	\$425.00	\$3,400.00	\$495.00	\$3,960.00	100.00%	\$3,960.00
20	12-inch x 8-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	EA	2	\$550.00	\$1,100.00	\$550.00	\$1,100.00	100.00%	\$1,100.00
21	12-inch x 4-inch Ductile Iron Tee, M.J. x Flg, installed (9-30.2(1))	EA	1	\$500.00	\$500.00	\$550.00	\$550.00	100.00%	\$550.00
22	20-inch x 12-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	EA	2	\$850.00	\$1,700.00	\$1,660.00	\$3,320.00	100.00%	\$3,320.00
23	12-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	EA	2	\$250.00	\$500.00	\$935.00	\$1,870.00	100.00%	\$1,870.00
24	8-inch x 6-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed (7-05.9 & 9-30.2(1))	EA	1	\$150.00	\$150.00	\$790.00	\$790.00	100.00%	\$790.00
25	12-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	EA	2	\$1,000.00	\$2,000.00	\$855.00	\$1,710.00	100.00%	\$1,710.00
26	12-inch x 8-inch Ductile Iron Cross, 4-B, M.J., installed (9-30.2(1))	EA	1	\$650.00	\$650.00	\$660.00	\$660.00	100.00%	\$660.00
27	12-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	24	\$475.00	\$11,400.00	\$495.00	\$11,880.00	100.00%	\$11,880.00
28	12-inch Ductile Iron Ell, M.J., 22 1/2°, installed, (7-09. & 9-30.2(1))	EA	1	\$350.00	\$350.00	\$435.00	\$435.00	100.00%	\$435.00
29	8-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	6	\$200.00	\$1,200.00	\$245.00	\$1,470.00	100.00%	\$1,470.00
30	6-inch Ductile Iron Ell, M.J., 45°, installed, (7-09. & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$155.00	\$620.00	100.00%	\$620.00
31	12-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed, (7-09.5, & 9-30.2(1))	EA	1	\$450.00	\$450.00	\$475.00	\$475.00	100.00%	\$475.00
32	8-inch Ductile Iron Solid Sleeve (Long Pattern) M.J., installed, (7-09.5, & 9-30.2(1))	EA	3	\$250.00	\$750.00	\$310.00	\$930.00	100.00%	\$930.00
33	20-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	2	\$3,500.00	\$7,000.00	\$1,910.00	\$3,820.00	100.00%	\$3,820.00
34	12-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	6	\$1,700.00	\$10,200.00	\$850.00	\$5,100.00	100.00%	\$5,100.00
35	8-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	1	\$1,100.00	\$1,100.00	\$575.00	\$575.00	100.00%	\$575.00
36	6-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed (7-09.3(19)A, 7-09.5 & 9-30.2(7))	EA	2	\$800.00	\$1,600.00	\$545.00	\$1,090.00	100.00%	\$1,090.00
37	20-inch Ductile Iron Cap, M.J., tapped 4", installed and removed (9-30.2(1) & 7-09.5)	EA	2	\$325.00	\$650.00	\$1,390.00	\$2,780.00	100.00%	\$2,780.00
38	12-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	15	\$250.00	\$3,750.00	\$270.00	\$4,050.00	100.00%	\$4,050.00
39	8-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (9-30.2(1) & 7-09.5)	EA	6	\$200.00	\$1,200.00	\$199.00	\$1,194.00	100.00%	\$1,194.00
40	6-inch Ductile Iron Cap, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$750.00	\$3,000.00	100.00%	\$3,000.00
41	8-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	4	\$150.00	\$600.00	\$227.00	\$908.00	100.00%	\$908.00
42	6-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	7	\$95.00	\$665.00	\$785.00	\$5,495.00	100.00%	\$5,495.00
43	4-inch Ductile Iron Plug, M.J., tapped 2", installed and removed (7-09.5 & 9-30.2(1))	EA	9	\$50.00	\$450.00	\$750.00	\$6,750.00	100.00%	\$6,750.00

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

Item	Description	Unit	QTY	ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
				Unit Price	Amount	Unit Price	Amount	(%)	Amount
44	Temporary 4-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	2	\$550.00	\$1,100.00	\$3,775.00	\$7,550.00	100.00%	\$7,550.00
45	Temporary 2-inch Blow-Off Assembly, installed and removed (Dwg. 17-56-1) (7-09.3(22) & 7-09.5)	EA	45	\$500.00	\$22,500.00	\$3,200.00	\$144,000.00	100.00%	\$144,000.00
46	20-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	6	\$550.00	\$3,300.00	\$445.00	\$2,670.00	100.00%	\$2,670.00
47	12-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	41	\$250.00	\$10,250.00	\$167.00	\$6,847.00	100.00%	\$6,847.00
48	8-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	22	\$175.00	\$3,850.00	\$89.00	\$1,958.00	100.00%	\$1,958.00
49	6-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	50	\$125.00	\$6,250.00	\$67.00	\$3,350.00	100.00%	\$3,350.00
50	4-inch Mechanical Joint Restraining Glands (7-14, 7-09.5 & 9-30.2(6))	EA	18	\$100.00	\$1,800.00	\$55.00	\$990.00	100.00%	\$990.00
51	6-inch Push on Joint Restraining Gasket, installed 9-30.2(6))	EA	4	\$250.00	\$1,000.00	\$89.00	\$356.00	100.00%	\$356.00
52	Concrete Thrust Anchor, installed. (7-09.3(21) & 7-09.5)	EA	58	\$500.00	\$29,000.00	\$240.00	\$13,920.00	100.00%	\$13,920.00
53	Temporary Concrete Thrust Anchor, installed and removed (7-09.3(21) & 7-09.5)	EA	45	\$300.00	\$13,500.00	\$325.00	\$14,625.00	100.00%	\$14,625.00
54	Trench Compaction Test (as directed by the Inspector) (7-09.3(11) & 7-09.5)	EA	106	\$150.00	\$15,900.00	\$220.00	\$23,320.00	100.00%	\$23,320.00
55	Test Holes (See Special Provisions). (7-09.3(6) & 7-09.5)	LS	1	\$5,000.00	\$5,000.00	\$4,640.00	\$4,640.00	100.00%	\$4,640.00
56	12-inch Butterfly valve, M.J., ANSI/AWWA, C504, with C.I. valve box (7-12 & 9-30.3)	EA	20	\$2,050.00	\$41,000.00	\$3,750.00	\$75,000.00	100.00%	\$75,000.00
57	8-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	4	\$1,600.00	\$6,400.00	\$2,100.00	\$8,400.00	100.00%	\$8,400.00
58	6-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	14	\$1,200.00	\$16,800.00	\$1,600.00	\$22,400.00	100.00%	\$22,400.00
59	4-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box (7-12 & 9-30.3)	EA	8	\$900.00	\$7,200.00	\$1,490.00	\$11,920.00	100.00%	\$11,920.00
60	6-inch Gate Valve, Fig x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9-30.3)	EA	2	\$1,500.00	\$3,000.00	\$16.00	\$32.00	100.00%	\$32.00
61	4-inch Gate Valve, Fig x M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box. (7-12 & 9-30.3)	EA	1	\$1,200.00	\$1,200.00	\$1,430.00	\$1,430.00	100.00%	\$1,430.00
62	6-inch Hydrant, M.J., 5.0-ft bury, with 4-inch Tacoma Standard Threads & 5-inch Quick Coupling (7-14 & 9-30.5(2))	EA	7	\$3,750.00	\$26,250.00	\$5,775.00	\$40,425.00	100.00%	\$40,425.00
63	Street cleaning with Self-propelled Pickup and Vacuum Street Sweeper Equipment. (8-01.3(8))	HR	69	\$100.00	\$6,900.00	\$149.00	\$10,281.00	100.00%	\$10,281.00
64	Force Account (1-09.6)	EST	1	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	100.00%	\$60,000.00
Sub-Total, Group WA					\$1,558,793.00		\$1,798,156.15		\$1,798,156.15
10.3% Sales Tax on Water Main Bid Items					\$160,555.68		\$185,210.08		\$185,210.08
TOTAL of BID, GROUP WA					\$1,719,348.68		\$1,983,366.23		\$1,983,366.23
GROUP R: Roadway Bid Items GROUP R TOTAL					\$1,007,807.00		\$1,071,544.50		\$6,250.00
GROUP A: Asphalt Paving Bid Items GROUP A TOTAL					\$807,650.00		\$871,505.00		-
GROUP P: Power Bid Items GROUP P SUB-TOTAL (less tax)					\$219,295.00		\$384,137.50		-
GROUP L: Lump Sum Bid Items GROUP L TOTAL					\$1,627,500.00		\$2,019,384.85		\$17,025.00
GROUP SD: Storm Sewer Bid Items GROUP SD TOTAL					\$298,690.00		\$361,142.00		-

Brewery District

MRP 2020-05

Description: Revitalizing Tacomas Brewery District

Specification No.: PW20-0015F

Bid Opening: 08/10/2021

EXHIBIT A

				ENGINEER'S ESTIMATE		Low Bidder Active Construction, Inc.		Water Department Responsibility	
Item	Description	Unit	QTY	Unit Price	Amount	Unit Price	Amount	(%)	Amount
	GROUP S: Sanitary Sewer Bid Items GROUP S SUB-TOTAL (less tax)				\$85,800.00		\$99,735.00		-
	GROUP WA: Water Main Bid Items GROUP WA SUB-TOTAL (less tax)				\$1,558,793.00		\$1,798,156.15		\$1,798,156.15
	TOTAL BASE BID (LESS SALES TAX)				\$5,605,535.00		\$6,605,605.00		
	DBE = LESS SALES TAX & FA				\$5,485,535.00		\$6,485,605.00		
	BASE BID + FA - SALES TAX				\$5,605,535.00		\$6,605,605.00		

Tacoma Water Overview	
Item	Description
A	Bid Group W-SubTotal
B	Tax (10.3%)
C	Bid Group W-Total
D	Shared Lump Sum Bid Items
E	Shared Force Account Items
F	Total Shared
G	Admin Costs (3%)
	(A + D - \$60,000) * 3%
H	Total Construction Costs
	(A + F)
I	Cumulative Total (less tax, less cont.)
	(G + H)

Amount
\$1,798,156.15
\$185,210.08
\$1,983,366.23
\$17,025.00
\$6,250.00
\$23,275.00
\$52,655.43
\$1,821,431.15
\$1,874,086.58