

**BRISTOL WEST WATERLINE REPLACEMENT PROJECT
ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST**

Revised: 9/19/2024

ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	ENGINEERS OPINION OF PROBABLE COST	
				UNIT PRICE	TOTAL COST
1	Mobilization/Demobilization (1 per construction season)	2	EA	\$50,000.00	\$100,000.00
2	Bonds	1	LS	\$50,000.00	\$50,000.00
3	Watermain - 8" PVC C900 DR-18 (tracer wire included)	8,240	LF	\$100.00	\$824,000.00
4	Watermain - 12" PVC C900 DR-18 (tracer wire included)	1,020	LF	\$120.00	\$122,400.00
5	Watermain - 12" HDPE DR-9 (Directionally Drilled - Tracer wire included)	200	LF	\$250.00	\$50,000.00
6	8" Watermain Gate Valve	23	EA	\$2,500.00	\$57,500.00
7	12" Watermain Gate Valve	1	EA	\$5,000.00	\$5,000.00
8	3/4" SS Saddle & Corporation Stop	143	EA	\$400.00	\$57,200.00
9	1" SS Saddle & Corporation Stop	2	EA	\$900.00	\$1,800.00
10	1 1/4" SS Saddle & Corporation Stop	1	EA	\$1,200.00	\$1,200.00
11	2" SS Saddle & Corporation Stop	1	EA	\$1,800.00	\$1,800.00
12	3/4" Copper Service Lines	3,590	LF	\$70.00	\$251,300.00
13	1" Copper Service Lines	110	LF	\$90.00	\$9,900.00
14	1 1/4" Copper Service Lines	35	LF	\$125.00	\$4,375.00
15	2" Copper Service Lines	20	LF	\$200.00	\$4,000.00
16	3/4" Curb Stops	143	EA	\$500.00	\$71,500.00
17	1" Curb Stops	2	EA	\$750.00	\$1,500.00
18	1 1/4" Curb Stops	1	EA	\$900.00	\$900.00
19	2" Curb Stops	1	EA	\$1,000.00	\$1,000.00
20	Decommissioning & Abandonment of Existing Water Lines and Appurtenances (per street)	9	EA	\$2,000.00	\$18,000.00
21	Fire Hydrant Assembly	19	EA	\$9,000.00	\$171,000.00
22	Rigid Trench Insulation (2" closed cell polystyrene)	288	SF	\$4.00	\$1,152.00
23	Class "B" Concrete (Thrust Blocks)	42	EA	\$250.00	\$10,500.00
24	Rock/Boulder Removal & Subgrade Replacement (> 1 CY)	29	CY	\$150.00	\$4,350.00
25	Excavation/Replacement of Misc. Unsuitable Material	29	CY	\$60.00	\$1,740.00
26	Erosion Control (per street)	9	EA	\$10,000.00	\$90,000.00
27	Tree Trimming (Project wide) - Forester/arborist required	1	LS	\$12,000.00	\$12,000.00
28	Tree Removal/Stump Grinding	5	EA	\$3,000.00	\$15,000.00
29	Tree Replanting	5	EA	\$750.00	\$3,750.00
30	Landscaping Restoration Incl. Topsoil, Reseeding & Mulch (per street)	9	EA	\$5,000.00	\$45,000.00
31	Dust Control - Calcium Chloride (as necessary)	10	TON	\$1,200.00	\$12,000.00
32	Traffic Control, Signage & Electronic Message Boards (per street)	9	EA	\$30,000.00	\$270,000.00
33	Concrete Curb Removal & Replacement	60	LF	\$100.00	\$6,000.00
34	Concrete Sidewalk Removal & Replacement (4' - 5' width)	810	LF	\$60.00	\$48,600.00
35	Stormwater Modifications (Maple Street)	1	LS	\$20,000.00	\$20,000.00
36	Exploratory Excavation (As Needed)	4	EA	\$1,000.00	\$4,000.00
37	Bituminous Pavement Removal & Replacement (6' max trench width)	8,440	SY	\$50.00	\$422,000.00
38	Project Sign	1	LS	\$2,000.00	\$2,000.00

Subtotal \$2,772,467

	Contingency (7%)	1	LS		\$194,072.69
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Total \$2,966,539.69

Notes:

1. Anticipated costs are for construction only and do not include Town Administrative expenses or Step 3 Construction Engineering costs
2. Total Quantities are a summary of Elm, Pleasant, Church, School, Park, West, Munsill, Maple, Taylor