

SRF Consulting Group, Inc.

Client: Saint Paul Regional Water Services

Project: Summit Avenue Watermain Reconstruction Project

Subconsultants: NA

SCOPE OF WORK / DELIVERABLES & COSTS

Work Tasks and Person-Hour Estimates



17176.PP / Water

TASK NO. SUMMARY OF TASKS

1.0 MUNICIPAL WATER INFRASTRUCTURE

Project Overview:

This project consists of the preliminary design for approximately 5 miles of watermain Summit Avenue from Mississippi River Boulevard to W. Kellogg Boulevard as well as the final design of the watermain improvements for the 1 mile long segment between Mississippi River Boulevard and Fairview Avenue S. This is assumed to be designed in coordination as a combined project with the City of Saint Paul Summit Avenue project and is not a stand-alone design. This is based on an approximate WM Replacement Cost for the final design segment (Mississippi River Blvd - Fairview) of \$2,800,000 and an approximate WM Replacement Cost for the remaining portion of the project of \$10,300,000. This proposal is based on that amount. No construction services are included in this scope, and will be contracted at a later time.

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TASK NO.	TASK DESCRIPTION	SRF CONSULTING										SRF SUB TOTAL		SUB-CONSULTANT		TOTAL	
		PROF. VIII/VII	PROF. VI	PROF. V	PROF. IV	PROF. III	PROF. II	PROF. I	TECH.	SUPPORT	HOURS	EST. FEE	HOURS	FEE	HOURS	FEE	
		Mike Turner Jim Gersema	John Maczko (PM)	Sean Clarke Mike Aaron	Nathan Kemmer Nic Racek	Ian Reagle Tong Thao		Evan Xhumba Mitch Miller	Eric Schultz Joey Haas Jordan Hiedeman								
1.0	MUNICIPAL WATER INFRASTRUCTURE																
	<u>Assumptions:</u>																
	- Concept Design will be performed for the whole 4.7 mile long corridor, Final design will be performed for the segment from Mississippi River Boulevard to Fairview Ave.																
	- Surface Watermain Features will be acquired as part of the City of Saint Paul Summit Ave design project topographic survey.																
	- This work is assumed to be performed in conjunction with the City's Summit Avenue project design and is not a stand-alone project.																
	- Watermain Removal, Watermain Construction, Watermain Details, Service Plans, Tabulations and Temporary Watermain Plans will be incorporated into the overall City Plan for Street Reconstruction.																
	- This is based on an approximate WM Replacement Cost for the final design segment (Mississippi River Blvd - Fairview) of \$2,800,000 and an approximate WM Replacement Cost for the remaining portion of the project of \$10,300,000.																
	<u>Client Deliverables:</u>																
	- Record Drawings & Watermain Service Location and Permit Information																
	- Concept, Plan and Special Provision Review																
	- Watermain Inspection (Fill above the watermain will be Inspected as part of the Construction Task 11)																
	<u>Project Management</u>																
1.1	Task Management and administration of the project will include monthly progress updates, invoicing, cost and schedule updates, billing preparation, other non-technical work, and communication with the project personnel to ensure project tasks are completed on time, within budget, and in accordance with city and SPRW requirements, rules, and regulations (assumes 2 hours/month x 1 staff (Task Manager) x 24 months(2026 & 2027) 1 hour/month for 12 additional months (2028), 30 minutes per month for the Project Director and minimal support time.	18	-	60	-	-	-	-	-	-	6	84	\$19,656.00		84	\$19,656.00	
	<u>SPRW Coordination Meetings</u>																
1.2	Arrange, Facilitate, prepare agenda and meeting records for monthly SPRW Coordination Meetings. Assumes Monthly Meeting Feb 2026 - June 2026 and Every Other Month October 2026 - October 2027. 11 total meetings- 1 hour long virtual meetings (Jan 2026 - Nov 2027) Includes Task Manager (2 hours per meeting), and up to 1 project staff (1 hour per meeting per person)	-	-	22	-	11	-	6	-	-	39		\$7,460.00		39	\$7,460.00	

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1.3	<u>Existing Watermain / Utility Layout</u> Prepare / develop an existing utility map, including the locations, size and type of existing watermains and services based on the record drawing and permit information provided by the City / SPRWS. This will be supplemented / confirmed with any City provided topographic survey for surface elements. This will be combined with the existing utility map / basemap being prepared for design of the roadway improvement and with the information for the existing and proposed sanitary / storm sewer replacement. This will cover the length of the 4.7 mile long corridor.	8	8	53	-	65	-	65	-	-	199	\$35,627.00			199	\$35,627.00	
1.4.1	<u>Proposed Watermain Replacement Alternatives & Layout</u> Develop recommendations / construction alternative recommendations for trench and trenchless replacement of the watermain and identify approximate location of proposed water main replacements into a proposed watermain layout. This will include locations of proposed lead service line replacements to the extent possible. Consideration will be given to limit impacts to properties, utilities (existing / proposed) and to avoid trees where possible.	4	4	45	-	65	-	63	-	-	181	\$31,315.00			181	\$31,315.00	
1.4.2	Develop concept level cost estimate for consideration of alternatives	2	2	16	-	30	-	20	-	-	70	\$12,252.00			70	\$12,252.00	
1.4.3	Develop proposed watermain replacement layout	4	7	75	-	140	-	151	-	-	377	\$62,861.00			377	\$62,861.00	
1.5.1	<u>EAW Coordination / Watermain Replacement Memo</u> Coordinate impact limits at the completion of preliminary design for use in the EAW evaluation process and coordinate with the Civil Design Team, Utility Coordination Team and EAW team.	-	-	16	-	4	-	-	-	-	20	\$4,184.00			20	\$4,184.00	
1.5.2	Prepare a draft and final watermain replacement memo.	-	-	16	-	16	-	-	-	-	32	\$6,128.00			32	\$6,128.00	
1.6.1	<u>Construction Plans / Estimate / Specifications</u> Based on selected watermain replacement alternative, develop 30% Watermain Design Plans including removals and proposed plan and profiles and submit to SPRWS and City for review and comment	2	2	30	-	50	-	47	-	-	131	\$22,258.00			131	\$22,258.00	
1.6.2	Incorporate 30% Review Comments and Develop 60% Watermain Construction Plans, including development of watermain and service line construction plans by construction stage. Submit to City and SPRWS for review and Comment.	2	2	30	-	100	-	98	-	-	232	\$37,294.00			232	\$37,294.00	
1.6.3	Incorporate 60% Review Comments and Develop 90% Watermain Construction Plans. Submit to City and SPRWS for review and Comment	2	2	35	-	91	-	94	-	-	224	\$36,397.00			224	\$36,397.00	
1.6.4	Incorporate 90% Review Comments and Develop Final Signed Watermain Removal Plans, Tabulations, Watermain and Watermain Service Construction Plan, & Profiles, Standard Details and Temp. Watermain Plans by Stage. Submit to SPRW for approvals and combine with City Construction Plan.	1	1	8	-	18	-	19	-	-	47	\$7,836.00			47	\$7,836.00	
1.6.5	Develop 30%, 60%, 90% and Final Construction Cost Estimates and coordinate to include in City Construction Plan Statement of Estimated Quantities and Bid Item List.	-	-	12	-	12	-	-	-	-	24	\$4,596.00			24	\$4,596.00	
1.6.6	Review City Provided Standard Watermain Specifications and Details and Prepare Draft (90%) and Final (100%) Watermain Special Provisions to accompany the standard specifications.	-	-	16	-	16	-	-	-	-	32	\$6,128.00			32	\$6,128.00	

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1.7	<u>Construction Communications Coordination</u> Provide input to the construction team for construction communications and phasing for construction timeline communications	-	-	4	-	-	-	-	-	-	4	\$884.00			4	\$884.00
<u>SRF Deliverables:</u>																
- Existing Watermain Layout (Whole Corridor)																
- Proposed Watermain Replacement Layout (Whole Corridor)																
- Watermain Replacement Memo (Whole Corridor)																
- 30%, 60%, 90% and Final Watermain Construction Plans and Construction Cost Estimate (MRB to Fairview)																
- Watermain Replacement Special Provisions																
SUBTOTAL - TASK 1		43	28	438	0	618	0	563	0	6	1,696	\$294,876	0	\$0	1,696	\$294,876

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						PROF. III	PROF. II	PROF. I				HOURS	EST. FEE	HOURS	FEE	HOURS	FEE
SUMMARY OF COSTS:																	
1	MUNICIPAL WATER INFRASTRUCTURE EXPENSES	\$ 12,986.00	\$ 7,448.00	\$ 96,798.00	\$ -	\$ 100,116.00	\$ -	\$ 76,568.00	\$ -	\$ 960.00	\$294,876.00	\$53.25	\$0.00	\$0.00	\$294,876.00	\$53.25	
TOTALS		\$12,986.00	\$7,448.00	\$96,798.00	\$0.00	\$100,116.00	\$0.00	\$76,568.00	\$0.00	\$960.00	\$294,929.25		\$0.00		\$294,929.25		
SUMMARY OF HOURS:																	
1	MUNICIPAL WATER INFRASTRUCTURE Expenses	43	28	438	-	618	-	563	-	6	1,696	-	-	1,696	\$294,876.00	\$53.25	
TOTALS		43	28	438	0	618	0	563	0	6	1,696	0	0	1,696	\$294,929.25		
AVERAGE HOURLY RATES (BLENDED)		\$302.00	\$266.00	\$221.00	\$198.00	\$162.00	\$146.00	\$136.00	\$155.00	\$160.00	Total Includes Sub-Consultant Fees						