

Exhibit J  
**LEVEL OF EFFORT**  
**Task Outline and Fee Estimate Worksheet**  
**Bristol East - Waterline Replacement Project**  
**VTM Project No: 22-1.4 D**

Agenda Item V.4

Revised 10/24/2024  
 Prepared By: SLP

Item	Code	Description	Principal Engineer	Project Engineer	Field Data Collection & Survey	Expenses & Subcontracts	Labor Costs	Total Costs
<b>STEP II - Final Design Phase Services</b>								
<b>I Standard Final Design Phase Engineering Services</b>								
1	PA	Project Management/Coordination (4 hrs wk x 60 weeks)	240				\$30,000	\$30,000
2	PA	Step II - DWSRF Funding Application (Bristol East)	16				\$2,000	\$2,000
3	PA	Step II - Engineering Services Agreement (Bristol East)	40				\$5,000	\$5,000
4	S	Topo Survey/Field Reconnaissance & Coordination (13 street segments)	0		240		\$30,000	\$30,000
5	D	Layout/Design/Drawing Preparation (60%, 90%, 100% Review - Estimate 25 sheets)	280	620			\$97,000	\$97,000
6	D	Addition of Private Service Lines (Not included in scope)	0				\$0	\$0
7	D	Preparation/Public Review Meetings & Presentation with Selectboard & Public	20				\$2,500	\$2,500
8	D	Permit to Construct Preparation/Submittal/DEC Review	24				\$3,000	\$3,000
9	D	Construction Specifications	80				\$10,000	\$10,000
10	D	Material Takeoffs/Cost Estimates	60	80			\$15,500	\$15,500
11	D	Environmental Documentation - SHPO, Env., Act 250, NEPA	60				\$7,500	\$7,500
12	D	ROW Certification Town Attorney Coordination	16				\$2,000	\$2,000
13	D	Step III - Priority List Application	16				\$2,000	\$2,000
<b>Subtotal</b>			<b>852</b>	<b>700</b>	<b>240</b>	<b>\$0</b>	<b>\$206,500</b>	<b>\$206,500</b>
<b>II Direct Expenses &amp; Subcontracts</b>								
1	D	Supplies (Cost + 8%)				\$500	\$0	\$500
2	PA	Permit Fees (Cost)				\$900	\$0	\$900
3	S	Travel (50 trips x 44 miles@\$0.655) = \$28.82/trip				\$1,441	\$0	\$1,441
4	SUB	VTUMS - Utility Location Services (Cost + 8%)				\$10,000	\$0	\$10,000
5	SUB	Geotechnical Evaluation				\$7,500	\$0	\$7,500
<b>Subtotal</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>\$20,341</b>	<b>\$0</b>	<b>\$20,341</b>
<b>III Non-Standard Services</b>								
1	SUB	Archeological Services (Cost + 8%)				\$8,000	\$0	\$8,000
2	SUB	Linear Project Env. Assessment (Cost + 8%)				\$27,000	\$0	\$27,000
3	SUB	Hydraulic Modeling - Bristol Distribution System (Cost + 8%)				\$40,000	\$0	\$40,000
4	SUB	Hydrant Flow Testing - Up to 12 (Cost +8%)				\$11,000	\$0	\$11,000
5	SUB	Boundary & ROW Location Services (If necessary, Cost + 8%)				\$16,000	\$0	\$16,000
6	D	Amendment to PER, review draft with client, review with State, Finalize	40				\$5,000	\$5,000
<b>Subtotal</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>\$102,000</b>	<b>\$5,000</b>	<b>\$107,000</b>
SUBTOTAL (hours)			852	700	240			
HOURLY RATE (\$/hr)			\$125	\$100	\$125			
Subtotal Hourly Costs + Expenses (\$)						\$122,341	\$211,500	\$333,841
<b>TOTALS BY WORK TYPE:</b>								
Standard Final Design Phase Engineering Services :			\$206,500					
Direct Expenses & Subcontracts:			\$20,341	TOT STANDARD FINAL DESIGN PHASE ENG. COST =				\$226,841
Subcontracted Services:			\$107,000					
<b>Total</b>			<b>\$333,841</b>	<b>TOTAL STEP 2 ENG COST =</b>				<b>\$333,841</b>

**NOTES**

PA = Project Administration, D = Design, S = Survey, SUB = Subcontracted Services  
 No service replacements are anticipated within this scope of work

Budgetary Construction Cost =	\$3,654,158	9.1%	Total Eng. Cost as % of Const.
VT Eng. Fee Curve (Large Proj.)=	\$224,164		
Est. Constuction Eng. =	\$410,967		