



ENGINEERING FEE ESTIMATION

PROJECT NAME/DESCRIPTION:	Town of Bristol - WWTP Improvements Building Amendment
ESTIMATE DATE:	9/18/2023
PROJECT MANAGER:	Andrew M. Robarge
RATE YEAR WORK WILL BE COMPLETED:	July 1, 2023 - June 30, 2024
START DATE:	9/21/2023
DURATION (MONTHS):	3.0
DIRECT LABOR MULTIPLIER:	3.3086
SUB-CONSULTANT ADMINISTRATIVE CHARGE:	15%
REIMBURSABLE EXPENSES ADMINISTRATIVE CHARGE:	15%

TASK/HOUR SUMMARY																	Total
	Project	Project	Sr Electrical	Project	Project	Engineer	Engineer	Designer	Designer	Designer	CADD	Clerical	Total	Direct	Sub-		Cost
	Manager III	Manager II	Engineer	Engineer II	Engineer I	Intern II	Intern I	Grade IV	Grade III	Grade II	Specialist I	Grade II	Hours	Labor	Consultant	Expenses	w. Multiplier
EMPLOYEE NAME	Wells	Robarge	Church	Fortier	Mendoza	Wakefield	Litsheim / Dill	Dugan	Johnson	Means	Goldstein	Zarakas					
TASK																	
PROCESS - SITE CIVIL DESIGN - NEW BUILDING	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Process - Architect Coordination	8	2			4				12			1	27	\$1,755			\$5,806
Site-Civil Design (Drain Piping, Conduit)	4				4		8		8		16		40	\$1,775			\$5,871
Geotechnical Investigation (Two Borings and Report)					2							1	3	\$136	\$5,800		\$7,119
Process - Site Civil Design - New Building Sub-total	12	2	0	0	10	0	8	0	20	0	16	2	70	\$3,665	\$5,800	\$0	\$18,797
ARCHITECTURAL DESIGN	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pipe Gallery Exterior Aesthetic Treatment Design	2				2				2				6	\$393	\$1,600		\$3,142
New Control and Maintenance Building Design													0	\$0			\$0
Code Analysis and Life Safety Plan	1				1				1		1		4	\$225	\$1,480		\$2,447
Floor, Ceiling, and Roof Plans	2				1				1		1		5	\$316	\$8,880		\$11,257
Exterior and Interior Elevations and Typical Building Sections	2				1				1		1		5	\$316	\$8,880		\$11,257
Door and Window Schedules / Details	2				1				1		1		5	\$316	\$2,960		\$4,449
Specifications	4				4				1		1		10	\$655	\$5,920		\$8,976
Architectural Comcheck Portion, Design Release by PE	1				1				1		1		4	\$225	\$1,480		\$2,447
QA/QC		4					4	2					10	\$570			\$1,887
Architectural Design Sub-total	14	4	0	0	11	0	4	2	8	0	6	0	49	\$3,017	\$31,200	\$0	\$45,862
MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN - NEW BUILDING	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Site Investigation for Electrical and Controls to Remain								16					16	\$927		\$500	\$3,641
Design for new electrical power: Plan Sheet & Coordination	2				1	8			1	8	1		21	\$1,054			\$3,487
Design Power to HVAC, lighting, outlets: Specs & Plan Sheets	2				1	8			1	8	1		21	\$1,054			\$3,487
Design relocated Ex. Panels: Specs & Plan Sheets	2				1			16	1		1		21	\$1,242			\$4,111
Design of HVAC and controls: Specs & Plan Sheets	2				1			16	1		1		21	\$1,242			\$4,111
Plumbing Design: Specs & Plan Sheets	2				1		16		1		1		21	\$952			\$3,148
QA/QC			4										4	\$362			\$1,199
Mechanical, Electrical, and Plumbing Design - New Building Sub-total	10	0	4	0	5	16	16	48	5	16	5	0	125	\$6,833	\$0	\$500	\$23,183
GRAND TOTAL	36	6	4	0	26	16	28	50	33	16	27	2	244	\$13,515	\$37,000	\$500	\$87,842