

North Shore STS
Fee Estimate
Summary of Otak, Inc. and all subconsultants
Otak Project # 17628A

<i>Task</i>	<i>Description</i>	Otak	CH2M	GRI	AINW	JLA	<i>Total Hours</i>	<i>Total Budget by Task</i>	<i>Budget Summaries</i>
1	Construction Management and Inspection								
1.1	Project Management of Construction Phase Services	121	360				481	\$67,842	\$994,811
1.2	Services During Bid and Award Phase	84	8				92	\$12,476	
1.3	Pre-Construction Meeting	24	12				36	\$5,684	
1.4	Construction Management and Contract Administration	1333	40				1373	\$184,105	
1.5	Weekly Construction Progress Meetings	334					334	\$43,795	
1.6	Monthly Construction Progress Estimates/Payments	196					196	\$23,604	
1.7	Submittal Review and RFIs	423					423	\$39,136	
1.8	Construction Monitoring and Inspection	3031	1040				4071	\$588,622	
1.9	Material Testing	61					61	\$8,113	
1.10	Construction Phase Close-Out	144	12				156	\$21,433	
2	Survey and Mapping								
2.1	Survey Staking	908					908	\$135,031	\$159,563
2.2	As-Builts	96					96	\$13,132	
2.3	Post-Construction Monumentation Survey	88					88	\$11,400	
3	Archeological Site Monitoring								
3.1	Site Monitoring				836		836	\$66,752	\$86,828
3.2	Site Monitoring Contingency				241		241	\$17,544	
3.3	Archeological Site Meetings				18		18	\$2,532	
4	Design Services During Construction								
4.1	Project Meetings	100	40				140	\$19,814	\$247,251
4.2	Project Submittals and RFIs								
4.2.1	Project Submittals	100	240				340	\$52,120	
4.2.2	Review and Respond to Requests for Information	100	132	100			332	\$50,169	
4.2.3	Review and Respond to Change Orders	80	75				155	\$21,793	
4.3	On-Site Observation Services	100	104				204	\$28,768	
4.4	Design Revisions	320	258				578	\$74,587	
5	Startup, Testing, and Commissioning Services		60				60	\$10,374	\$10,374
6	Record Drawings	300	200				500	\$59,982	\$59,982
7	Public Involvement								
7.1	Website content, including interactive construction activity map	48				56	104	\$10,320	\$37,281
7.2	Stakeholder Database, Project E-mail Updates, Contact Database					60	60	\$6,248	
7.3	Fact sheet					26	26	\$2,758	
7.4	Project mailing					21	21	\$2,149	
7.5	Neighborhood canvassing & signage					79	79	\$8,741	
7.6	Press release					11	11	\$1,120	
7.7	Public Involvement PM					54	54	\$5,944	
8	NS-STs Operations and Maintenance Manual		114				114	\$18,791	\$18,791
9	Remote Odor Control System De-Pressurization Test		44				44	\$8,028	\$8,028
10	Control System Programming and Commissioning								
10.1	Pump Station PLC and Local HMI Programming		195				195	\$39,324	\$95,525
10.2	SCADA Display Configuration		80				80	\$13,732	
10.3	Testing		52				52	\$8,799	
10.4	Startup		150				150	\$21,003	
10.5	Training		76				76	\$12,666	
	<i>Total Hours</i>	7991	3292	100	1095	307	12785		
	<i>Total Labor Cost</i>	\$1,009,292	\$573,521	\$15,800	\$86,828	\$32,993		\$1,718,433	\$1,718,433
	<i>Direct Expenses</i>	\$700	\$17,820		\$8,674	\$2,450		\$29,644	
	<i>Subconsultant Administration</i>	\$36,904						\$36,904	
	Project Total	\$1,046,896	\$591,341	\$15,800	\$95,502	\$35,443		\$1,784,982	