

North Urban Growth Area Sewer Transmisstion System

Fee Estimate
Summary of Otak, Inc. and subconsultants
Otak Project # 17628

<i>Task</i>	<i>Description</i>	Otak	CH2M	Normandeau	GRI	EPIC	AINW	BA	<i>Total Hours</i>	<i>Total Budget by Task</i>
1	Flow Projections	36						92	128	\$15,790
2	Alternatives Analysis									
2.1	Camp Currie Alignment	799	263	55			516		1633	\$161,055
2.2	Pump Station Site Alternatives	176	84						260	\$32,189
2.3	Pipeline Route Alternatives - SR 500 to Downtown	124						54	178	\$18,292
2.4	Define Odor and Corrosion Control Approach	10	88						98	\$16,104
3	Preliminary Design									
3.1	Transient Analysis	4	170						174	\$24,967
3.2	Preliminary Pump Station Design	260	1018						1278	\$177,722
3.3	Pipeline Design	1208						44	1252	\$137,572
3.4	Flow Management and Operations/Maintenance Plan	6	66						72	\$13,506
3.5	Preliminary Design Workshops	160	104					8	272	\$46,092
4	Survey and Mapping									
4.1	Topographic Survey	1176							1176	\$95,450
5	Geotechnical Investigation									
5.1	Geotechnical Data Review				6				6	\$820
5.2	Geotechnical Reconnaissance				140				140	\$14,760
5.3	Geotechnical Report	10			124				134	\$15,788
6	Environmental Services									
6.1	Stream and Wetland Field Review and Report	5		56					61	\$7,892
6.2	JARPA and CWA Compliance			6					6	\$996
6.3	WDNR Aquatic Use Authorization	5		6					11	\$1,670
6.4	WDFW Hydraulic Project Approval									
6.5	Endangered Species Act Compliance	5							5	\$674
6.6	Sole Source Program Compliance									
6.7	SEPA Compliance	5							5	\$674
6.8	Shoreline Master Program Permit									
6.9	Camas Critical Areas and Significant Tree Permit	5		14					19	\$2,998
7	Cultural and Historic Resource Assessments									
7.1	Background Review						54		54	\$5,852
7.2	Site Reconnaissance						72		72	\$6,138
7.3	Resource Surveys						750		750	\$54,446
7.4	Report	6					428		434	\$42,359
8	Right of Way					20			20	\$2,000
9	Project Management									
9.1	Project Management and QA/QC	164	56	10	6	4		6	246	\$39,854
9.2	Project Meetings	140	120	6	8	2		8	284	\$49,782
10	Risk Management									
10.1	Establish Risk Register	12	24						36	\$6,739
10.2	Risk Register Updates	32	6						38	\$5,756
	Total Hours	4348	1999	153	284	26	1820	212	8842	
	Total Labor Cost	\$446,281	\$320,613	\$21,342	\$32,420	\$2,600	\$147,648	\$27,034		\$997,938
	Direct Expenses	\$15,600	\$3,160		\$38,780	\$200	\$3,996	\$200		\$61,936
	Subconsultant Administration	\$29,900								\$29,900
	Project Total	\$491,781	\$323,773	\$21,342	\$71,200	\$2,800	\$151,644	\$27,234		\$1,089,773