CITY OF WILSONVILLE	ESTIMATED PERSONNEL TASK HOURS																								
WILLAMETTE OUTFALLS	AKS Engineering & Forestry									Shannon & Wilson							W	Volf Water Re							
PROJECT COSTS  ENGINEERING & FORES	Project Principa / QA QC	Project Surveyor	Project Engineer	Eng. Tech	Senior Landscape Architect	Landscape Architect	Survey Tech Survey Crew	Arborist	Admin	Direct Costs	Vice President	Associate	Senior	Professional II	Clerical & Drafting	Direct Costs	Principal Engineer	Senior Geomorph	Principal Scientist	Senior Biologist	Wetland Scientist	Admin	Direct Costs	ESTIMATED TOTAL TASK HOURS	ESTIM. TOTAL
OJECT TASK AND SUBTASK ELEMENTS	\$120.00	\$110.00	\$105.00	\$85.00	\$110.00	\$85.00	\$85.00 \$140.00	\$85.00	\$45.00		\$195.00	\$160.00	\$115.00	\$85.00	\$75.00		\$150.00	\$150.00	\$135.00	\$115.00	\$95.00	\$115.00			
ASE 1: INVESTIGATION PHASE SERVICES oject Kick-off Meeting	4									\$10		3												7	\$9
1 - Natural Resource Assessment - Wetland/Water Delineation																		+	30		32		\$30	62	\$7
2 - Wetland/Water Delineation Report < 2 - Geotechnical Engineering Services	1																8		20		65		·	94	\$10
1 - Literature Review & Site Reconnaissance												4	10	4	4	\$25								22	\$2
2 - Field Explorations 3 - Laboratory Testing	1										1	3	3	40	3	\$15,100 \$2,500								53 6	\$2 \$3
4 - Geotechnical Data Report k 3 - Surveying Services	1										1	14	28	8	8									60	\$7
1 - Site /Topographic Surveying 2 - Property Boundary Surveying	3	10	1				30 40 10 20			\$250 \$1,000														84 39	\$9 \$5
k 4 - Arborist Services		0					10 20																	33	
1 - Tree Evaluation	11		1					24	1	\$20													Phase 1	27 <b>454</b>	\$2 <b>\$6</b>
ASE 2: DESIGN PHASE SERVICES																									
k 1 - Preliminary 50% Design - All Three Projects 1 - Stormwater Report & Calculations	4		4														135		120				\$30	263	\$3
2 - Draft Geotechnical Report 3 - Natural Resources Design Recommendations	2 2		2 2	1							4	18	75	6	4		16	+	40				\$30	111 60	\$13 \$8
4 - Preliminary Engineering Plans - 50% Design 5 - Pre-Application Meeting with USACE/ODSL	60 8		80	200				4	2	\$10 \$15		3					120 8		16					466 47	\$5 <sup>2</sup>
6 - Legal Descriptions	2	4	1				16			ΨΙΟ		3					0		10					23	\$2
k 2 - 70% Design - Willamette Way Outfall 1 - Engineering Plans	24		40	100	8	40		4	2	\$10	1	8					24							251	\$2
ASE 3: PERMITTING PROJECT SERVICES WILLAMETTE WAY																							Phase 2	1221	\$14
k 1 - Submit and Obtain Required Permits	-																							155	
- Biological Assessment (BA) Report, All Three Sites - USACE and DSL Permitting, Submittal & Coord.	2 8		8	40	8	20		1									4 16		60	120	16		\$30	126 176	\$1 \$1
							. '																Phase 3	302	\$3
ASE 4: FINAL DESIGN AND BIDDING WILLAMETTE WAY k 1 - 90% Design, Willamette Way Outfall																									
- Engineering Plans k 2 - Final Design (100% Set), Willamette Way Outfall	16		40	120	4	10		8	6			4					16							224	\$2
- Final Design (100% Set)	8		16	16	1	4		2	6	\$200							8							61	\$6
k 3 - Final Geotechnical Report Willamette Way Outfall - Final Geotechnical Report	2		2								2	8			2									16	\$2
SE 5: CONSTRUCTION PHASE WILLAMETTE WAY (2016)																							Phase 4	301	\$3
c 1 - Construction Phase Services												10				0.50								201	00
- Construction Engineering - Pre-Construction Surveying	40 2	8	40	40	8	8	16		8			18	32			\$150	40	+						234 26	\$2 \$2
- Construction Surveying - Post-Construction Survey	4	2	6				8 24 16 8		1	\$500 \$20														44 28	\$5 \$2
5 - As-Builts	2	1	40		2	8	8 8		1	\$220														70	\$7
ASE 6: 70% DESIGN BELNAP COURT OUTFALL																							Phase 5	402	\$4
k 1 - 70% Design, Belnap Court Outfall I - Engineering Plans	24		40	140	8	40		6	2	\$10	1	8					24							293	\$28
	21		10	110		10	l l			Ψισ	·	Ů					21						Phase 6	293	\$28
ASE 7: PERMITTING PROJECT SERVICES BELNAP CT. sk 1 - Submit and Obtain Required Permits																									
.1 - USACE and DSL Permitting, Submittal & Coord.	8		12	60	8	30											16		60		16		Phase 7	210 <b>210</b>	\$2: <b>\$2</b> :
ASE 8: FINAL DESIGN AND BIDDING BELNAP COURT																							Filase I	210	ΨZ
k 1 - 90% Design, Belnap Court Outfall  1 - Engineering Plans	16		40	120	4	10		8	6			4					16							224	\$2
sk 2 - Final Design (100% Set), Belnap Court Outfall						10				4000		·					- 10								
1 - Final Design (100% Set) sk 3 - Final Geotechnical Report, Belnap Court Outfall	8		16	16	1	8		2	6	\$200							8							65	\$6
I - Final Geotechnical Report	2		2								2	8			2								Phase 8	16 <b>305</b>	\$2 <b>\$3</b> (
ASE 9: CONSTRUCTION PHASE BELNAP COURT (2017)																							1 Hase 0	303	ΨΟ
k 1 - Construction Phase Services  1 - Construction Engineering	60		40	40	8	8		16				24	50			\$200	40							286	\$33
2 - Pre-Construction Surveying	2	8	6				16 16 36			¢500														26	\$2
3 - Construction Surveying 4 - Post-Construction Survey	1	2	0				16 36 16 8		1	\$500 \$20														64 28	\$8 \$2
- As-Builts	1	1	40		2	8	8 8	1	1	\$220									_				Phase 9	69 <b>473</b>	\$7 <b>\$5</b>
SE 10: 70% DESIGN MOREY COURT PROJECT																									
1 - 70% Design, Morey Court Outfall Engineering Plans	24		40	140	8	40		6	2		1	8					24							293	\$2
SE 11: PERMITTING PROJECT SERVICES MOREY COURT																							Phase 10	293	\$2
c 1 - Submit and Obtain Required Permits			40			200											40		00		10			040	
1 - USACE and DSL Permitting, Submittal & Coord.	<u> </u>		12	60	<u> </u>	30	<u> </u>	<u> </u>									16		60		16		Phase 11	210 <b>210</b>	\$2: <b>\$2</b> :
SE 12: FINAL DESIGN AND BIDDING MOREY COURT																									
<ul><li>4 1 - 90% Design, Morey Court Outfall</li><li>- Engineering Plans</li></ul>	16		40	120	4	10		8	6			4					16							224	\$2
2 - Final Design (100% Set), Morey Court Outfall - Final Design (100% Set)	8		16	16	2	8		2	6	\$200							8							66	\$6
: 3 - Final Geotechnical Report, Morey Court Outfall - Final Geotechnical Report	2		2								2	Ω			2									16	\$2
•					1		l	1				0											Phase 12	306	\$3
SE 13: CONSTRUCTION PHASE MOREY COURT (2018)  1 - Construction Phase Services																									
- Construction Engineering	40	0	40	40	8	8	16	8			18	38				\$150	40							240	\$3 \$
- Pre-Construction Surveying - Construction Surveying	4	2	6				16 36			\$500														26 64	\$
- Post-Construction Survey - As-Builts	<u>1</u> 2	1 1	40		2	8	16 8 8 8	1	1 1	\$20 \$220														28 70	\$
		•		•	•	· - I		•	•						•	•		<u>.                                      </u>					Phase 13	428	\$5
																				-		& Engineer		3895 1303	\$4 \$1
				T		200	216 204	98	59		33	193	400	58	0.5		603		406	100	1	on mapel		5198	tota
IMATED PERSONNEL TASK HOLIRS SURTOTAL	432	61	670	1976	Q/I	Jux .	1 /10 1 /			I		104	TUX	n×	/		F 11 1 7		дііп	120 1	145	(1)			
IMATED PERSONNEL TASK HOURS SUBTOTAL IMATED PERSONNEL COST SUBTOTAL	432 \$51,840	61 \$6,710	679 \$71,295	1276 \$108,460	94 \$10,340	298 \$25,330	\$18,360 \$28,560	\$8,330	\$2,655	\$4,145	\$6,435	\$30,880	198 \$22,770	\$4,930	25 \$1,875	\$18,125	\$90,450	\$0	\$54,810	120 \$13,800	145 \$13,775	\$0	\$120	otal costs:	\$59