

Project Estimating Sheet - OHM ADVISORS

Project Name: City of Ann Arbor WWTP Construction Services Tertiary Filter Clear Well Improvement															
Prepared By: Jennifer Drinan	Management	EWRG			STRUCTURAL		MEP		Subconsultant - FK Engineering	MANAGEMENT	EWRG	STRUCTURAL	MEP	PROJECT TOTAL	
	PM	Lead Engineer	Engineer	Field Services	Lead Engineer	Technician	Lead Engineer	Engineer							
Date: July 13, 2021	Jennifer Drinan	Sherri Wright	Michael Morianti	Lucas Manhice	Mike Spurbeck	Terry Dahl	Lou Meyette	Erin Harris							
	Project Manager	Sr. Engineer	GE 4	GE 2	PE 3	Tech 4	PE 3	GE 2							
Current Labor Cost as an hourly rate	\$190.00	\$185.00	\$145.00	\$130.00	\$165.00	\$135.00	\$170.00	\$135.00							
Escalated Labor Cost as an hourly rate	\$200.00	\$190.00	\$150.00	\$130.00	\$170.00	\$140.00	\$180.00	\$140.00							
Geotechnical Investigation															
Subconsultant - FK Engineering									0	0	0	0	0	0	
									0	0	0	0	0	0	
TOTAL HOURS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,030	\$0	\$0	\$0	\$0	\$9,030	
Bidding Assistance															
Pre Bid Meetings	6			4					0	6	4	0	0	10	
Addendum and Recommendation	4			5					0	4	5	0	0	9	
									0	0	0	0	0	0	
TOTAL HOURS	10	0	0	9	0	0	0	0	0	10	9	0	0	19	
TOTAL COSTS	\$1,900	\$0	\$0	\$1,170	\$0	\$0	\$0	\$0	\$0	\$1,900	\$1,170	\$0	\$0	\$3,070	
Construction Administration															
Progress Meetings with AA (Pre Con + 1 per month for 9 months of construction)	40								0	40	0	0	0	40	
Shop drawing review		12	32		16		2	8	0	0	44	16	10	70	
RFIs	8	8	16		8				0	8	24	8	0	40	
Process pay requests (assume 9)	18		36						0	18	36	0	0	54	
Change Orders	16	16	16						0	16	32	0	0	48	
Record Drawing Preparation	4	4	40		4	8		8	0	4	44	12.1	8	68.1	
									0	0	0	0	0	0	
TOTAL HOURS	86	40	140	0	28	8	2	16	0	86	180	36	18	320	
TOTAL COSTS	\$17,200	\$7,600	\$21,000	\$0	\$4,777	\$1,120	\$360	\$2,240	\$0	\$17,200	\$28,600	\$5,897	\$2,600	\$54,300	
Construction Observation															
Site visits (Part time 16 hours per week for 36 weeks)	20		576		48			24	0	20	576	48	24	668	
Progress meetings (9 months and weekly meetings with contractor)	12		72						0	12	72	0	0	84	
Construction Sequencing/Shutdown Days Phase 1	8		16						0	8	16	0	0	24	
Construction Sequencing/Shutdown Days Phase 2	8		16						0	8	16	0	0	24	
Equipment startup & Commissioning Phase 1	12		24						0	12	24	0	0	36	
Equipment startup & Commissioning Phase 2	12		24						0	12	24	0	0	36	
Final completion punchlist walkthrough	8		16		8			8	0	8	16	8	8	40	
									0	0	0	0	0	0	
TOTAL HOURS	80	0	744	0	56	0	0	32	0	80	744	56	32	912	
TOTAL COSTS	\$16,000	\$0	\$111,600	\$0	\$9,520	\$0	\$0	\$4,480	\$0	\$16,000	\$111,600	\$9,520	\$4,480	\$141,600	
TOTAL HOURS	176	40	884	9	84.1	8	2	48	0	176	933	92	50	1251	
TOTAL COST	\$35,200	\$7,600	\$132,600	\$1,170	\$14,297	\$1,120	\$360	\$6,720	\$9,030	\$35,200	\$141,370	\$15,417	\$7,080	\$208,000	