

PROJECT BUDGET BY:
 PROJECT NAME:
 AGREEMENT NUMBER:
 TASK WORK ASSIGNMENT:
 PROJECT METRIC (SQ MI):

Singhofen & Associates, Inc.
 Roosevelt Creek WMP

12.5 and 6 (depends on the task/subtask)

Title/Job Description	Prof. Engineer IV	Prof. Engineer III	Prof. Engineer II	Prof. Engineer I	Engineer Intern / Scientist III	Engineer Intern / Scientist I	CADD/ GIS Tech. III	CADD/ GIS Tech. II	CADD/ GIS Tech. I	Admin III	Sr Principal	Super- visory Engineer	Sr. Prof. Engineer	Prof. Engineer	Engineer III	Sr. Design Engineer	Environ. Scientist I	Survey Sub- Consultant	Line Item Costs	Line Item Hours	Element Costs Running Total	Total Project Costs Running Total	
Firm Name	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI						
Personnel Hourly Rate	\$214.00	\$181.00	\$162.00	\$152.00	\$131.00	\$110.00	\$117.00	\$95.00	\$65.00	\$85.00	\$213.00	\$185.00	\$163.00	\$142.00	\$130.00	\$129.00	\$79.00						
2.3.1 Additional GIS Processing	0.0	0.0	0.0	2.0	0.0	8.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,056.00	26.0	\$179,193.00	\$192,691.00	
2.3.2 Preliminary Model Schematic	4.0	14.0	84.0	4.0	8.0	8.0	0.0	1.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$21,254.00	148.0	\$200,447.00	\$213,945.00	
2.3.3 Model Parameterization Approach	0.0	2.0	4.0	6.0	4.0	22.0	0.0	0.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$5,726.00	50.0	\$206,173.00	\$219,671.00	
2.3.4 Watershed Evaluation Report	2.0	2.0	6.0	4.0	0.0	34.0	0.0	0.0	4.0	4.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	\$0	\$7,688.00	62.0	\$213,861.00	\$227,359.00	
2.3.5 Pre-Submittal Meeting	0.0	2.0	3.0	3.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	2.0	4.0	0.0	\$0	\$4,078.00	31.0	\$217,939.00	\$231,437.00	
2.3.6 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,126.00	8.0	\$219,065.00	\$232,563.00	
2.4 Peer Review of Watershed Evaluation																							
2.4.1 Peer Review Kick-off Meeting and Presentation	0.0	2.0	2.0	8.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0	5.0	5.0	0.0	1.0	0.0	0.0	\$0	\$4,782.00	33.0	\$223,847.00	\$237,345.00	
2.4.2 Peer Review Communication	0.0	2.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,190.00	8.0	\$225,037.00	\$238,535.00	
2.4.3 Meeting to Discuss Approach to Responding to	0.0	6.0	6.0	10.0	0.0	18.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	\$0	\$6,036.00	44.0	\$231,073.00	\$244,571.00	
2.5 Final Approved Watershed Evaluation Deliverables																							
2.5.1 Revised Deliverables	0.0	2.0	2.0	20.0	0.0	36.0	24.0	12.0	12.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	\$0	\$13,280.00	114.0	\$244,353.00	\$257,851.00	
2.5.2 Pre-Submittal Meeting	0.0	0.0	0.0	3.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	\$0	\$1,574.00	12.0	\$245,927.00	\$259,425.00	
2.5.3 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,456.00	11.0	\$247,383.00	\$260,881.00	
Element 2 Hours	25.0	48.0	147.0	120.0	23.0	461.0	173.0	115.0	546.0	16.0	0.0	18.0	24.0	64.0	3.0	128.0	80.0					\$247,383.00	
Element 2 Days (8 Hour/Day)	3.1	6.0	18.4	15.0	2.9	57.6	21.6	14.4	68.3	2.0	0.0	2.3	3.0	8.0	0.4	16.0	10.0						
Element 2 Costs	\$5,350	\$8,688	\$23,814	\$18,240	\$3,013	\$50,710	\$20,241	\$10,925	\$35,490	\$1,360	\$0	\$3,330	\$3,912	\$9,088	\$390	\$16,512	\$6,320	\$30,000					
3.0 Watershed Management Plan - Floodplain Analysis																							
3.1 Watershed Model Parameterization																							
3.1.1 Acquisition of Additional Model Parameters	0.0	0.0	0.0	3.0	0.0	8.0	4.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	0.0	8.0	16.0	\$0	\$5,756.00	55.0	\$5,756.00	\$266,637.00	
3.1.2 Development of Model Specific Geodatabase	8.0	15.0	52.0	41.0	20.0	113.5	63.0	36.0	149.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$55,004.00	501.5	\$60,760.00	\$321,641.00	
3.1.3 Model Setup, Debug, and Stabilization	4.0	6.0	22.0	10.0	8.0	24.0	25.0	1.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$14,904.00	118.0	\$75,664.00	\$336,545.00	
3.1.4 Pre-Submittal Meeting	0.0	3.0	3.0	3.0	5.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,460.00	26.0	\$79,124.00	\$340,005.00	
3.1.5 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	\$0	\$1,598.00	12.0	\$80,722.00	\$341,603.00	
3.2 Final Approved Watershed Model Parameterization Deliverables																							
3.2.1 Revised Deliverables	2.0	6.0	12.0	8.0	20.0	42.0	12.0	4.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$16,038.00	142.0	\$96,760.00	\$357,641.00	
3.2.2 Pre-Submittal Meeting	0.0	3.0	3.0	3.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,695.00	20.0	\$99,455.00	\$360,336.00	
3.2.3 Project Management and Quality Assurance/Control	0.0	1.0	2.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,275.00	10.0	\$100,730.00	\$361,611.00	
3.3 Watershed Model Development and Floodplain Delineation																							
3.3.1 Model Calibration and Verification	4.0	24.0	44.0	4.0	8.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$14,920.00	92.0	\$115,650.00	\$376,531.00	
3.3.2 Model Validation	2.0	0.0	0.0	2.0	4.0	18.0	8.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$4,692.00	42.0	\$120,342.00	\$381,223.00	
3.3.3 Design Storm Simulations	2.0	0.0	0.0	6.0	13.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$5,463.00	43.0	\$125,805.00	\$386,686.00	
3.3.4 Multi-Day Event Sims and Rainfall Justification	1.0	0.0	0.0	2.0	6.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,294.00	18.0	\$128,099.00	\$388,980.00	
3.3.5a Floodplain Delineation	2.0	0.0	0.0	9.0	0.0	34.0	3.0	0.0	0.0	0.0	0.0	0.0	12.0	60.0	0.0	64.0	24.0	\$0	\$26,515.00	208.0	\$154,614.00	\$415,495.00	
3.3.5b Floodway Development (NOT INCLUDED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$0.00	0.0	\$154,614.00	\$415,495.00	

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Firm Name	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI						
Personnel Hourly Rate	\$214.00	\$181.00	\$162.00	\$152.00	\$131.00	\$110.00	\$117.00	\$95.00	\$65.00	\$85.00	\$213.00	\$185.00	\$163.00	\$142.00	\$130.00	\$129.00	\$79.00						
3.3.6 Floodplain Justification Report	4.0	6.0	16.0	6.0	0.0	46.0	4.0	0.0	16.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$12,524.00	104.0	\$167,138.00	\$428,019.00	
3.3.7 Sea-level Rise (SLR) Scenarios	2.0	4.0	24.0	4.0	0.0	32.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$13,848.00	106.0	\$180,986.00	\$441,867.00	
3.3.8 Pre-Submittal Meeting	0.0	3.0	3.0	3.0	5.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,350.00	25.0	\$184,336.00	\$445,217.00	
3.3.9 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	\$0	\$3,398.00	24.0	\$187,734.00	\$448,615.00	
3.4 Peer Review of Watershed Model Development and Floodplain																							
3.4.1 Peer Review Meeting and Presentation	3.0	1.0	1.0	5.0	0.0	14.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,545.00	28.0	\$191,279.00	\$452,160.00	
3.4.2 Peer Review Communication	2.0	2.0	2.0	2.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,298.00	16.0	\$193,577.00	\$454,458.00	
3.4.3 Meeting - Discuss Approach to Resp. to Review Cmets	4.0	4.0	4.0	8.0	4.0	18.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$6,078.00	44.0	\$199,655.00	\$460,536.00	
3.5 Approved Floodplain Analysis Deliverables for Preliminary																							
3.5.1 Revised Deliverables	8.0	2.0	4.0	12.0	12.0	58.0	16.0	0.0	44.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$17,570.00	160.0	\$217,225.00	\$478,106.00	
3.5.2 Pre-Submittal Meeting	0.0	0.0	0.0	3.0	5.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,321.00	19.0	\$219,546.00	\$480,427.00	
3.5.3 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,456.00	11.0	\$221,002.00	\$481,883.00	
3.6 Preliminary Floodplain Open House and Response to Public																							
3.6.1 Preliminary Floodplain Open House	10.0	0.0	0.0	1.0	0.0	18.0	23.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$7,303.00	56.0	\$228,305.00	\$489,186.00	
3.6.2 Response to Public Comments	5.0	0.0	0.0	5.0	0.0	20.0	8.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$5,226.00	42.0	\$233,531.00	\$494,412.00	
3.6.3 Meeting - Discuss Approach and Responding to Public Cmets	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$324.00	2.0	\$233,855.00	\$494,736.00	
3.7 Final Approved Floodplain Analysis Deliverables																							
3.7.1 Revised Deliverables	4.0	0.0	0.0	8.0	8.0	24.0	16.0	16.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$10,712.00	100.0	\$244,567.00	\$505,448.00	
3.7.2 Pre-Submittal Meeting	0.0	0.0	0.0	3.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,106.00	18.0	\$246,673.00	\$507,554.00	
3.7.3 Project Management and QA/QC	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,540.00	14.0	\$248,213.00	\$509,094.00	
Element 3 Hours	68.0	86.0	198.0	151.0	118.0	608.5	230.0	57.0	313.0	18.0	0.0	0.0	12.0	85.0	0.0	72.0	40.0					\$248,213.00	
Element 3 Days (8 Hour/Day)	8.5	10.8	24.8	18.9	14.8	76.1	28.8	7.1	39.1	2.3	0.0	0.0	1.5	10.6	0.0	9.0	5.0						
Element 3 Costs	\$14,552	\$15,566	\$32,076	\$22,952	\$15,458	\$66,935	\$26,910	\$5,415	\$20,345	\$1,530	\$0	\$0	\$1,956	\$12,070	\$0	\$9,288	\$3,160	\$0					
Recommendations																							
4.1 FPLOS Determination																							
4.1.1 Methodology Meeting	2.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	14.0	0.0	8.0	0.0	\$0	\$4,518.00	32.0	\$4,518.00	\$513,612.00	
4.1.2 FPLOS Determination	1.0	0.0	0.0	1.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	40.0	0.0	\$0	\$17,766.00	130.0	\$22,284.00	\$531,378.00	
4.1.3 FPLOS Analysis Report	2.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	40.0	0.0	20.0	28.0	\$0	\$12,984.00	110.0	\$35,268.00	\$544,362.00	
4.1.4 Pre-Submittal Meeting	0.0	0.0	0.0	3.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	13.0	0.0	4.0	0.0	\$0	\$3,971.00	30.0	\$39,239.00	\$548,333.00	
4.1.5 Project Management and QA/QC	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	4.0	0.0	\$0	\$3,276.00	26.0	\$42,515.00	\$551,609.00	
4.2 Surface Water Resource Assessment (SWRA) and BMPs of Water																							
4.2.1 Surface Water Resource Assessment Approach - Water Quality	1.0	2.0	2.0	3.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	26.0	0.0	16.0	0.0	\$0	\$8,534.00	61.0	\$51,049.00	\$560,143.00	
4.2.2 Water Quality Assessment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	56.0	56.0	\$0	\$14,488.00	132.0	\$65,537.00	\$574,631.00	
4.2.3 Existing Conditions Pollutant Loading Analysis	2.0	90.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	33.0	0.0	0.0	0.0	\$0	\$22,578.00	133.0	\$88,115.00	\$597,209.00	
4.2.4 SWRA of Water Quality Report	2.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	40.0	0.0	24.0	0.0	\$0	\$10,458.00	78.0	\$98,573.00	\$607,667.00	

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Firm Name	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI	ASCI						
Personnel Hourly Rate	\$214.00	\$181.00	\$162.00	\$152.00	\$131.00	\$110.00	\$117.00	\$95.00	\$65.00	\$85.00	\$213.00	\$185.00	\$163.00	\$142.00	\$130.00	\$129.00	\$79.00						
4.2.5 Pre-Submittal Meeting	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	0.0	4.0	0.0	\$0	\$2,218.00	16.0	\$100,791.00	\$609,885.00	
4.2.6 Project Management and QA/QC	0.0	0.0	0.0	4.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	14.0	0.0	\$0	\$6,134.00	46.0	\$106,925.00	\$616,019.00	
4.3 Alternatives Analysis and Recommendations (FPLOS and SWRA)																							
4.3.1 Alternatives Analysis and Poject Ranking	7.0	0.0	0.0	13.0	0.0	11.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	58.0	82.0	16.0	0.0	\$0	\$26,154.00	193.0	\$133,079.00	\$642,173.00	
4.3.2 Pre Submittal Meeting	0.0	0.0	0.0	3.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	\$0	\$3,732.00	29.0	\$136,811.00	\$645,905.00	
4.3.3 Project Management and QA/QC	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	\$0	\$2,772.00	22.0	\$139,583.00	\$648,677.00	
Element 4 Hours	17.0	92.0	4.0	37.0	0.0	100.0	0.0	0.0	0.0	20.0	0.0	0.0	15.0	373.0	90.0	206.0	84.0						
Element 4 Days (8 Hour/Day)	2.1	11.5	0.5	4.6	0.0	12.5	0.0	0.0	0.0	2.5	0.0	0.0	1.9	46.6	11.3	25.8	10.5				\$139,583.00		
Element 4 Costs	\$3,638	\$16,652	\$648	\$5,624	\$0	\$11,000	\$0	\$0	\$0	\$1,700	\$0	\$0	\$2,445	\$52,966	\$11,700	\$26,574	\$6,636	\$0	\$139,583				
Total Hours	112.0	228.0	351.0	315.0	141.0	1,212.5	403.0	187.0	909.0	65.0	0.0	20.0	53.0	524.0	93.0	406.0	204.0						
Total Days (8 Hour/Day)	14.0	28.5	43.9	39.4	17.6	151.6	50.4	23.4	113.6	8.1	0.0	2.5	6.6	65.5	11.6	50.8	25.5						
Basic Services Total Costs	\$23,968	\$41,268	\$56,862	\$47,880	\$18,471	\$133,375	\$47,151	\$17,765	\$59,085	\$5,525	\$0	\$3,700	\$8,639	\$74,408	\$12,090	\$52,374	\$16,116	\$30,000			\$648,677.00		
Contingency Services																						\$64,868.00	
Project Total Cost																						\$713,545.00	