PROJECT BUDGET BY:
PROJECT NAME:
AGREEMENT NUMBER:
TASK WORK ASSIGNMENT:

Singhofen & Associates, Inc.
Roosevelt Creek WMP

**EXHIBIT B - TOTAL PROJECT COSTS** 

PROJECT METRIC (SQ MI):	12.5	and	6	(depends	on the ta	sk/subtask	<b>k</b> )															
	Prof. Engineer	Prof. Enginee	Prof. r Enginee	Prof. r Engineer	Intern /	Engineer Intern / Scientist	GIS	CADD/ GIS Tech.	CADD/ GIS Tech.	Admin	Sr	Super- visory	Sr. Prof.	Prof.	Engineer	Sr. r Design	Environ. Scientist	Survey Sub	Line Item	Line Item	Element Costs Running	Total Project Costs Running
Title/Job Description	IV	III	II	I	III	I	III	II	I	III	Principal	Engineer		Engineer		Engineer	1 1001	Consultant	Costs	Hours	Total	Total
Firm Name Personnel Hourly Rate ELEMENT & TASK DESCRIPTIONS	\$AI \$214.00	\$181.00	\$162.00	\$152.00	\$131.00	\$AI \$110.00	\$AI \$117.00	\$95.00	\$65.00	\$85.00	\$213.00	\$185.00	\$163.00	\$142.00	\$130.00	\$129.00	\$79.00	1				
1.0 Project Development																						
1.1 Kickoff Meeting	2.0	2.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	\$0	\$2,420.00	16.0	\$2,420.00	\$2,420.00
1.2 Data Collection and Initial Evaluation	0.0	0.0	0.0	3.0	0.0	7.0	0.0	15.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$5,901.00	75.0	\$8,321.00	\$8,321.00
1.3 Draft Project Plan	0.0	0.0	0.0	4.0	0.0	20.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	\$0	\$3,517.00	31.0	\$11,838.00	\$11,838.00
1.4 Final Project Plan	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,220.00	12.0	\$13,058.00	\$13,058.00
1.5 Project Management and Quality Assurance/Quality Control	0.0	0.0	0.0	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	\$440.00	4.0	\$13,498.00	\$13,498.00
Element 1 Hours	2.0	2.0	2.0	7.0	0.0	43.0	0.0	15.0	50.0	11.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	_			\$13,498.00	
Element 1 Days (8 Hour/Day) Element 1 Costs	0.3 \$428	0.3 \$362	0.3 \$324	0.9 \$1,064	0.0 \$0	5.4 \$4,730	0.0 \$0	1.9 \$1,425	6.3 \$3,250	1.4 \$935	0.0 \$0	0.3 \$370	0.3 \$326	0.3 \$284	0.0 \$0	0.0 \$0	0.0 \$0	\$0				
O.O. Westershood Final ration	•			•			· ·			•				•	•		•					
2.0 Watershed Evaluation  2.1 Assembly and Evaluation of Watershed Data																						
2.1.1 Drainage Pattern and Watershed Boundary	0.0	0.0	0.0	3.0	0.0	7.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,986.00	18.0	\$1,986.00	\$15,484.00
2.1.2 DEM Review, Topographic Void Update, and Hydro-correction	4.0	1.0	4.0	0.0	0.0	16.0	23.0	5.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$8,431.00	81.0	\$10,417.00	\$23,915.00
2.1.3 Areas of Development	2.0	0.0	0.0	0.0	0.0	8.0	0.0	30.0	115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$11,633.00	155.0	\$22,050.00	\$35,548.00
2.1.4 Initial 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	\$25,106.00	\$38,604.00
2.1.5 Hydrologic Characteristics and Recharge	0.0	3.0	22.0	0.0	2.0	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	\$4,589.00	29.0	\$29,695.00	\$43,193.00
2.1.6 Historical Water Levels	2.0	1.0	1.0	1.0	0.0	11.0	0.0	1.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,008.00	29.0	\$32,703.00	\$46,201.00
2.1.7 Existing Model Data Migration	0.0	0.0	0.0	0.0	0.0	10.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,504.00	22.0	, ,	. ,
2.1.8 Existing Model Data QC Review	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,855.00			\$50,560.00
2.1.9 Preliminary Hydro-, Model-, and HEP Network Development	3.0	0.0	0.0	8.0	0.0	20.0	37.0	16.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$16,082.00	179.0	\$53,144.00	\$66,642.00
2.1.10 Initial Desktop Acquisition	6.0	0.0	0.0	12.0	8.0	75.0	14.0	38.0	170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$28,704.00	323.0	\$81,848.00	\$95,346.00
2.1.11 Data Acquisition Plan	0.0	0.0	0.0	6.0	0.0	10.0	7.0	0.0	9.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$3,756.00	36.0	\$85,604.00	\$99,102.00
2.1.12 Task Memorandum	2.0	2.0	4.0	4.0	0.0	24.0	2.0	4.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$5,990.00	52.0	\$91,594.00	\$105,092.00
2.1.13 Pre-Submittal Meeting	0.0	3.0	3.0	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	\$3,135.00	24.0	\$94,729.00	\$108,227.00
2.1.14 Project Management and QA/QC	0.0	2.0	2.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,666.00	22.0	\$97,395.00	\$110,893.00
2.2 Hydrologic and Hydraulic Feature Database 2.2.1 Acquisition of Data	0.0	0.0	0.0	9.0	1.0	33.0	13.0	0.0	20.0	0.0	0.0	0.0	0.0	60.0	0.0	124.0	80.0	\$20,000,00	\$68 706 00	340.0	\$166 101 00	\$179,679.00
		0.0			1.0		13.0		20.0	0.0	0.0	0.0		00.0		124.0						
2.2.2 HydroNetwork Development	0.0	0.0	0.0	2.0	0.0	2.0	3.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$1,200.00			\$180,879.00
2.2.3 Topographic Information Refinement	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			\$180,879.00
2.2.4 Hydrologic Feature Database	0.0	0.0	0.0	3.0	0.0	3.0	6.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$0	\$2,528.00			\$183,407.00
2.2.5 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			\$185,513.00
2.2.6 Project Management and QA/QC	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	4.0	0.0	0.0	0.0	\$0	\$4,122.00	27.0	\$176,137.00	\$189,635.00
2.3 Preliminary Model Features								<del></del> _						<del></del> _								

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Singhofen & Associates, Inc. Roosevelt Creek WMP

TASK WORK ASSIGNMENT: PROJECT METRIC (SQ MI):	10.5		6	/damanda	an tha tac	de/auditaale	۸															
PROJECT METRIC (SQ MI):	12.5	and	<u> </u>	(aepenas	on the tas																	Total
	Prof.	Prof.	Prof.	Prof.	Engineer Intern /	Engineer Intern /	CADD/ GIS	CADD/ GIS	CADD/ GIS			Super-				Sr.	Environ.			Line	Element Costs	Project Costs
			-		Scientist			Tech.	Tech.	Admin	Sr	visory	Sr. Prof.	Prof.	Engineer	_		Survey Sub-	Line Item		Running	Running
Title/Job Description	IV SAI	III SAI	II SAI	SAI	SAI	SAI	SAI	II SAI	SAI	III SAI	Principal ASCI	Engineer	Engineer ASCI	Engineer ASCI	ASCI	Engineer ASCI	ASCI	Consultant	Costs	Hours	Total	Total
Firm Name 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) Element 2 Costs	3.1 \$5,350	6.0 \$8,688	18.4 \$23,814	15.0	2.9 \$3,013	57.6 \$50,710	21.6	14.4	68.3 \$35,490	2.0	0.0 \$0	2.3 \$3,330	3.0 \$3,912	8.0 \$9,088	0.4 \$390	16.0 \$16,512	10.0 \$6,320	\$30,000				
Element 2 Costs	\$5,550	φο,000	φ23,014	\$10,240	φ3,013	φ50,710	φ20,24 I	\$10,925	φ35,490	\$1,360	Φυ	φ3,330	\$3,912	ф <del>9,000</del>	Φ390	\$10,512	\$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												ļ					1					
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		\$125,805.00	
3.3.4 Multi-Day Event Sims and Rainfall Justification			0.0	2.0		9.0	0.0	0.0			0.0	0.0		0.0			0.0	\$0			\$128,099.00	
,	1.0	0.0			6.0				0.0	0.0			0.0		0.0	0.0		7 -	\$2,294.00			
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			\$154,614.00	
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

PROJECT BUDGET BY: PROJECT NAME: AGREEMENT NUMBER: TASK WORK ASSIGNMENT:

Singhofen & Associates, Inc. Roosevelt Creek WMP

TASK WORK ASSIGNMENT: PROJECT METRIC (SQ MI):	12.5	and	6	(depends	on the ta	sk/subtasl	<b>(</b> )															
Title/Job Description	Prof. Engineer IV	Prof. Engineer	Prof. Engineer	Prof. Engineer	Engineer Intern / Scientist	Engineer Intern / Scientist	GIS	CADD/ GIS Tech.	CADD/ GIS Tech.	Admin	Sr Principal	Super- visory Engineer	Sr. Prof.	Prof.	Engineer	Sr. Design Engineer	Environ. Scientist	Survey Sub-		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	Consultant	Costs	nours	Total	Total
Personnel Hourly Rate	\$214.00	\$181.00		\$152.00		\$110.00	\$117.00		\$65.00	\$85.00	\$213.00			\$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
O O O Due Culturalities Magazine	0.0	0.0	0.0	0.0	F.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	Φ0	ΦΩ ΩΕΩ ΩΩ	05.0	#104.000.00	Φ44E 047 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
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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	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	0.0	0.0	\$0	\$2,298.00	100	\$193,577.00	0 0454 450 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 Cmts	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	10.0	\$219,546.00	\$490.427.00
3.3.2 FTe-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	φυ	φ2,321.00	19.0	φ219,540.00	φ460,427.00
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
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3.6 Preliminary Floodplain Open House and Response to Public					•															1		
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	12.0	\$233,531.00	\$404 412 00
3.0.2 nesponse to rubiic Confinents	5.0	0.0	0.0	5.0	0.0	20.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	φυ	\$5,220.00	42.0	φ233,331.00	φ494,412.00
3.6.3 Meeting - Discuss Approach and Responding to Public Cmts	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
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3.7 Final Approved Floodplain Analysis Deliverables			1		•									•						1		
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
5.7.2 FTC Oubfillial Weeting	0.0	0.0	0.0	3.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ΨΟ	ψ2,100.00	10.0	ψ240,073.00	ψ507,554.00
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		24.8			76.1			39.1	2.3	0.0	0.0	1.5	10.6	0.0	9.0	5.0	Φ0				
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																						l.
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	1100	\$25.269.00	\$544,362.00
4.1.3 FFLOS Alialysis nepoli	2.0	0.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	20.0	20.0	ΦΟ	\$12,964.00	110.0	\$35,266.00	\$544,562.00
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
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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
ACOURT WILL BUILD AND A COURT OF THE COURT O			ļ		<u> </u>			<u> </u>						<u> </u>			<u> </u>	<u> </u>	<u> </u>	ļ	<u> </u>	
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	\$560 142 00
4.2.1 Surface water nesource 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	20.0	0.0	10.0	0.0	φυ	φο,334.00	01.0	φ51,049.00	φυου, 140.00
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
4.0.4.0WDA (Webs O ell's Dece				1	0.0				0.0		100	6.0	100	40.0	0.0	010		<b>*</b>	M40 450 55	70.	000 570 01	0007.007.00
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
<u> </u>		<u> </u>	1	1	<u> </u>	<u> </u>	<u> </u>	1	1	<u> </u>	1	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	<u> </u>	Ĭ		

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)

PROJECT METRIC (SQ MI):	12.5	and	0	(depends	on the ta	SK/SUDIASK	4)															
	Prof. Engineer	Prof. Engineer	Prof. Engineer	Prof.	Intern /	r Engineer Intern / t Scientist	GIS	CADD/ GIS Tech.	CADD/ GIS Tech.	Admin	Sr	Super- visory	Sr. Prof.	Prof.	Engineer	Sr. Design	Environ. Scientist	Survey Sub	· Line Item	Line Item	Element Costs Running	Total Project Costs Running
Title/Job Description	īv	ĬII	ı ı	Ĭ	III		Ш	ll l	1	III	Principal	Engineer	Engineer	Engineer	ı ı	Engineer	1	Consultant		Hours	Total	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					
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
																						1
4.3 Alternatives Analysis and Recommendations (FPLOS and SWI	RA)																					
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
																						<u>.                                    </u>
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		T		\$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			
T	1 4400	200.0	054.0	0.45.0	1 444 0	1 4 6 4 6 5	1000	407.0		05.0						100.0	0040	1	1			
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	***			<b>***</b>	
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	
One the second of the second o																					<b>\$04.000.00</b>	
Contingency Services																					\$64,868.00	
Project Total Cost																					\$713,545.00	