



February 15, 2024

Tyson Ames  
Municipality of Skagway, Public Works Director  
P.O. Box 415  
Skagway, AK 99840  
[t.ames@skagway.org](mailto:t.ames@skagway.org)

RE: MOS West Creek Subdivision  
Hydraulic Study, Percolation Tests,  
River Levee Survey, Design, Permitting and Bid Services Fee Proposal

DEAR TYSON,

RESPEC is pleased to submit this fee proposal for performing topographic mapping, engineering design and bid services for the construction of a portion of the West Creek levee in Dyea. A reconnaissance inspection was made with yourself and the writer to confirm the locations of the existing West Creek levee. Two areas were observed in which the rock armor levee is missing, with field measurements of 720' and 30' respectively of missing levee recorded.

Additionally, MOS is requesting that RESPEC provide a hydraulic/drainage study, percolation test pits/report, cultural coordination with local tribal governments and rough order of magnitude construction cost estimating for the subdivision development of West Creek. The following is our anticipated scope of work tasks:

## **SCOPE OF WORK**

### **TASK 1 – West Creek Levee Topographic Mapping**

The first work task is to obtain field topographic survey so that accurate mapping can be produced for engineering design and permitting needs. The topographic survey will survey in the two areas of the West Creek levee that are missing so that connections to the existing armor rock levee sections can be made. The topographic survey will also include obtaining ground elevation shots within the West Creek Subdivision area for facilitating the design of the subdivision access road and drainage. Features which will be surveyed include the existing gravel access road that parallels West Creek, existing top of river bank, spot elevations on the existing riprap slope, edge of water at the river, water shots where feasible. Horizontal and vertical control for construction will be established on or near the project site. Field survey data will be reduced and mapped at a 1"=10' scale for use in engineering design. All work will be prepared in AutoCAD R2023 in standard U.S. imperial units.

### **TASK 2 – West Creek Levee Engineering Design (65%, 90% and Final Documents)**

Using the topographic mapping produced in Task 1 RESPEC will develop 65% design drawings and technical specifications for the installation of rock armor levee on those portions of West Creek that currently are not protected. The 65% design

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SUITE 4  
JUNEAU, AK 99801  
907.780.6060



documents would include cover sheet, note sheet, individual plan view sheets of the project area, site cross sections of the levee showing repair areas, typical sections of the river levee reconstruction, construction details, temporary access road to the work zone, erosion and sediment control plan, and traffic haul route plan. 65% design plans, technical specifications, quantity calculations and engineers cost estimate will be prepared and submitted to MOS for review. RESPEC engineer will travel to Skagway and perform a plans in hand walk-through in the field with MOS staff to collaborate on the of the 65% design documents prepared. A sheet by sheet review will also be performed with the MOS Public Works Director while in Skagway.

Corrections to the 65% design plans, specifications and cost estimate will be made by RESPEC and construction documents advanced to a 90% design level. 90% design drawings, technical specifications and construction cost estimate will be submitted in electronic format to MOS for review.

Final bid ready documents will be prepared by RESPEC incorporating all final MOS comments. The bid ready documents will include final signed construction drawings, final technical specifications, and final engineers cost estimate for the project. All documents will be coordinated with MOS for getting posted onto the MOS website for advertising for construction. Submittals of plans, specifications and cost estimate will be made in 11x17 PDF format at the 65%, 90% and 100% design levels. Technical specifications will be created using CSI format and coordinated with MOS bidding boiler plate sections. It is assumed that there will be at least one project team meeting in each design phase of the project, 3 total. All printing and advertising of project will be done by MOS.

### **TASK 3 – West Creek Agency Permitting**

Agency permits anticipated for the West Creek Levee reconstruction include:

- U.S. Army Corps of Engineers (USACE) permit,
- State of Alaska Department of Fish and Game (ADF&G) Fish Habitat Permit and
- ADEC Section 401 and Antidegradation project review.

We are assuming that a USACE Nationwide Permit 31 for Maintenance of Existing Flood Control Facilities would apply to the areas of West Creek that lack creek bank protection. West Creek is tributary to Taiya River and is a catalogued anadromous water body by the ADF&G that has been identified as an important spawning, rearing and migration of anadromous fish species (Dolly Varden, pink salmon and coho). Consultation with State of Alaska Department of Environmental Conservation Clean Water Act Section 401 would be made to determine if a CWA 401 pre-filing meeting is required.

### **TASK 4 – Bid Services**

RESPEC will respond to contractors questions submitted to MOS that arise during the bid period. We will attend the pre-bid conference in person in Skagway and prepare the pre-bid meeting agenda and prepare pre-bid meeting minutes. We will prepare any addenda as required during the advertising period for the West Creek levee construction documents.



RESPEC will prepare a bid evaluation summary letter for MOS after the bids are opened for MOS to use in issuing a notice of intent to award.

#### **TASK 5 – West Creek Subdivision Drainage Study**

The purpose of the drainage study is to provide a guide for development of the West Creek subdivision area. As the existing topography is very flat and the surrounding area has been subjected to previous flooding events MOS is requesting a drainage study be prepared. The key elements of the study will establish a baseline (existing) condition for existing floodplain elevations on the site, neighboring parcels, and in adjacent drainage features, present the proposed land uses, analyze the developed conditions floodplain, and propose necessary and buildable drainage mitigation solutions.

The overall objective of the study is to determine the ability to mitigate the project, confirm no adverse impacts can be achieved, and set clear expectations of viability of the proposed subdivision. RESPEC will identify in concept any offsite drainage improvements required to support the proposed subdivision. Specifically, the study shall address major topography and offsite overland release, major flood control facilities (channels and basins), major trunk drainage facilities, and NPDES requirements (Stormwater quality facilities, Regional Low-Impact Development (LID) measures, and Hydromodification, if any). The study shall also include a complete analysis of non-trunk pipes, structures, and overland release, including dimensions and locations. Deliverables will include a draft Drainage Study Report for the West Creek Subdivision submitted to MOS for review and comment. Once the comments have been addressed then a final Drainage Study Report will be issued.

#### **TASK 6 – West Creek Subdivision Percolation Test Pits/Report**

No public sewer is available to the West Creek Subdivision. In accordance with State of Alaska Department of Environmental Conservation (ADEC) regulations on site wastewater disposal is permissible pending the minimum lot size area is met. The design and construction of an on lot wastewater disposal system requires having an understanding of the subsurface soils percolation rate and the location of the natural groundwater table. Proper leach field drainage and with sufficient separation distances from the underlying water table and proposed on lot drinking water sources, is necessary to ensure that the leach field will operate both properly and in an environmentally sound manner. Eight (8) shallow test pits up to 8' in depth below the ground surface will be excavated into the soil within the area of a septic system's proposed leach bed. Percolation tests are necessary to determine the soil's ability to leach wastewater effluent at an adequate rate. RESPEC will contract with a local Skagway contractor to provide an excavator and operator to assist in digging the test pits. Each lot will have a test pit with corresponding percolation test performed in accordance with ADEC standards. A percolation test report will be prepared with our findings for each of the percolation tests. We propose to do this work when higher levels of precipitation and ground water levels in West Creek exist to obtain worst case conditions.



**TASK 7 – West Creek Subdivision Cultural Coordination**

RESPEC will coordinate with Skagway Traditional Council (STC) the local tribal government on any cultural aspects of the West Creek Subdivision development. Subdivision development drawings will be shared with STC early in the design process to allow ample time for any comments on the project to be known and addressed. Consultation with State of Alaska Historic Preservation Office (SHPO) will be made.

**TASK 8 – West Creek Subdivision ROM Cost Estimate**

RESPEC will prepare Rough Order Magnitude (ROM) construction cost estimates for the development of the West Creek Subdivision. Construction items would include clearing and grubbing, embankment placement, roadway base course placement, storm drainage culverts, power extension into the subdivision, and costs/timelines for DOT Driveway and Utility permits.

**ESTIMATE OF FEES**

MOS WEST CREEK LEVEE/SUBDIVISION WORK TASKS	ESTIMATED FEE
1 -Topographic Mapping	\$27,595
2 - Engineering Design/Specs (65%, 90% and Final Bid Ready)	\$51,025
3 - Agency Permitting	\$21,980
4 -Bid Services	\$6,935
5 -Drainage Study Report	\$18,655
6 -Percolation Test Pits/Report	\$21,350
7 -Cultural Coordination	\$5,580
8 -Conceptual ROM Cost Estimate	\$6,880
<b>ESTIMATED TIME AND MATERIALS FEE TOTAL</b>	<b>\$160,000</b>

We propose to perform our work on a time and expense basis. RESPEC’s total compensation for services provided pursuant to this agreement, including labor and overhead costs and expenses shall not exceed \$ 160,000 without written authorization by MOS.

Attached herewith is a fee spreadsheet as backup for the West Creek Levee/Subdivision services as described herein. Additional professional services work that is requested or added to the contract will be billed on a separate time and materials basis or negotiated separately. RESPEC will keep you apprised of budget and scope status throughout the performance of this work and alert you of any non-scope items that may impact the budget.

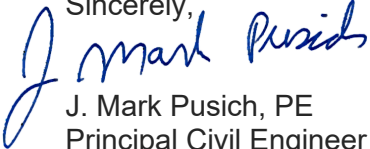
**Fee exclusions:** No geotechnical investigation fee is included in this fee proposal. Construction Administration and field inspection services fee proposal will be submitted once a contractor has been selected for the project as contractor schedule and hours of operation are not known at this time.



**SCHEDULE**

Task 1 Topographic Mapping of the subdivision and West Creek levee gap areas could take place sooner in the overall schedule pending the West Creek water levels are not too high. Task 6 Percolation Test Pits are recommended to take place when ground water tables are higher to observe worst case ground water conditions. Task 5 Drainage Study could begin fairly soon after mapping is completed. The overall goal of the project schedule would be to get the bid ready construction documents completed in late 2024 so construction could occur in early 2025 on the West Creek levee improvements. We welcome further discussion on project schedule.

We appreciate the opportunity to be of service to MOS on this important community project and look forward to working with you. Should you have any questions, please do not hesitate to contact me at your convenience.

Sincerely,  
  
J. Mark Pusich, PE  
Principal Civil Engineer  
[Mark.Pusich@respec.com](mailto:Mark.Pusich@respec.com)  
907-780-6060

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION											
<b>TASK No:</b> 1	<b>TASK DESCRIPTION:</b> TOPOGRAPHIC MAPPING WEST CREEK LEVEE/SUBDIVISION									<b>DATE:</b> 2/15/2024			
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>				<b>PREPARED BY:</b> JMP							
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION											
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT	2 Man Survey Crew	2 Man Survey Crew O.T.						
1	Job Setup/Review Records		2		2								
2	Field Survey Team/Mob/Survey					40	14						
3	Reduce Mapping			40									
4	Review Backcheck Mapping	8	2	4									
5	RESPEC QC/Management	4											
<b>TOTAL HOURS</b>		12	4	44	2	40	14						
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00	\$230.00	\$300.00						
<b>LABOR COSTS (\$)</b>		\$3,000.00	\$760.00	\$5,720.00	\$260.00	\$9,200.00	\$4,200.00						
EXPENSES					COMMENTS: Field survey of West Creek Levee in the areas the levee is not constricted and light topo in West Creek subdivision area.								
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE									
1	Air Fare Juneau/Skagway	3	\$575.00	\$1,725.00									
2	Lodging in Skagway	8	\$150.00	\$1,200.00									
3	Per Diem Skagway	10	\$118.00	\$1,180.00									
4	AK Seaplanes Extra Luggage	1	\$250.00	\$250.00									
5	Airport Parking	4	\$25.00	\$100.00									
<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>							<b>\$23,140</b>						
<b>IF CPFF, TOTAL INDIRECT COST @</b>					0.00%		<b>\$0</b>						
<b>TOTAL EXPENSES:</b>						<b>\$4,455</b>		<b>FIRM'S TOTAL EXPENSES</b>		<b>\$4,455</b>			
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>						<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>						<b>\$27,595</b>	
<b>FIRM:</b>													
<b>AMOUNT:</b>										<b>TOTAL SUBCONTRACTOR PRICES:</b>	<b>\$0</b>		

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC			<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION										
<b>TASK No:</b> 2	<b>TASK DESCRIPTION:</b> WEST CREEK LEVEEE 65% DESIGN						<b>DATE:</b> 2/15/2024						
<b>GROUP:</b>	<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>				<b>PREPARED BY:</b> JMP								
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION											
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT								
1	Cover Sheet			1									
2	Note abbreviation/symbols			2									
3	Survey Control Map			2									
4	Plan Views of River Levee		8	8									
5	Site Cross Sections of River Levee		8	8									
6	Typical Sections of Levee		6	6									
7	Construction Details		6	6									
8	Estimate of Quantities		4	4	8								
9	Cost Estimate	2	4										
10	Technical Specifications		6		6								
11	Plans In Hand Field Review	10											
12	RESPEC QC/Management	6											
<b>TOTAL HOURS</b>		18	42	37	14								
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00								
<b>LABOR COSTS (\$)</b>		\$4,500.00	\$7,980.00	\$4,810.00	\$1,820.00								
<b>EXPENSES</b>					<b>COMMENTS:</b> 65% design plans, specifications and cost estimate. Travel to Skagway for Plans and Hand No hydraulic modeling								
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE									
1	Air Fare Juneau/Skagway	1	\$575.00	\$575.00									
2	Airport Parking	1	\$20.00	\$40.00									
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>				<b>\$19,110</b>				
					<b>IF CPFF, TOTAL INDIRECT COST @</b>				<b>0.00% \$0</b>				
					<b>TOTAL EXPENSES:</b>				<b>\$615</b>				
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL EXPENSES</b>				<b>\$615</b>				
					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>				<b>\$19,725</b>				
<b>FIRM:</b>													
<b>AMOUNT:</b>					<b>TOTAL SUBCONTRACTOR PRICES:</b>				<b>\$0</b>				

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

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**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION			
<b>TASK No:</b> 3	<b>TASK DESCRIPTION:</b> WEST CREEK LEVEEE 90% DESIGN				<b>DATE:</b> 2/15/2024
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>		<b>PREPARED BY:</b> JMP	

SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION												
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT									
1	Cover Sheet			1										
2	Note abbreviation/symbols			2										
3	Survey Control Map			2										
4	Plan Views of River Levee		8	8										
5	Site Cross Sections of River Levee		8	8										
6	Typical Sections of Levee		6	6										
7	Construction Details		6	6										
8	Estimate of Quantities		4	4	8									
9	Cost Estimate	2	4											
10	Technical Specifications		6		6									
11	RESPEC QC/Management	6												
<b>TOTAL HOURS</b>		8	42	37	14									
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00									
<b>LABOR COSTS (\$)</b>		\$2,000.00	\$7,980.00	\$4,810.00	\$1,820.00									

EXPENSES				
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE
		<b>TOTAL EXPENSES:</b>		
		<b>\$0</b>		

**COMMENTS:**  
90% design plans, specifications and cost estimate.

<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>		<b>\$16,610</b>
<b>IF CPFF, TOTAL INDIRECT COST @ 0.00%</b>		<b>\$0</b>
<b>TOTAL EXPENSES</b>		<b>\$0</b>
<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$16,610</b>
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>		
<b>FIRM:</b>		
<b>AMOUNT:</b>	<b>TOTAL SUBCONTRACTOR PRICES:</b>	
	<b>\$0</b>	

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)



**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEEE/SUBDIVISION		
<b>TASK No:</b> 4	<b>TASK DESCRIPTION:</b> WEST CREEK LEVEEEE 100% DESIGN			<b>DATE:</b> 2/15/2024
<b>GROUP:</b>	<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>		<b>PREPARED BY:</b> JMP	

SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT						
1	Cover Sheet			1							
2	Note abbreviation/symbols			1							
3	Survey Control Map			1							
4	Plan Views of River Levee		4	4							
5	Site Cross Sections of River Levee		4	4							
6	Typical Sections of Levee		4	4							
7	Construction Details		4	4							
8	Estimate of Quantities		4	4	8						
9	Cost Estimate	2	4								
10	Technical Specifications		6		6						
11	Assemble/Transmit Bid Documents		6	4	4						
12	RESPEC QC/Management	6									
<b>TOTAL HOURS</b>		8	36	27	18						
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00						
<b>LABOR COSTS (\$)</b>		\$2,000.00	\$6,840.00	\$3,510.00	\$2,340.00						

EXPENSES					COMMENTS: 100% design plans, specifications and cost estimate.	
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE		
<b>TOTAL EXPENSES:</b>				\$0	<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>	\$14,690
					<b>IF CPFF, TOTAL INDIRECT COST @</b>	0.00% \$0
					<b>FIRM'S TOTAL EXPENSES</b>	\$0
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>	\$14,690
<b>FIRM:</b>						
<b>AMOUNT:</b>					<b>TOTAL SUBCONTRACTOR PRICES:</b>	\$0

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION									
<b>TASK No:</b> 5	<b>TASK DESCRIPTION:</b> WEST CREEK LEVEE AGENCY PERMITTING							<b>DATE:</b> 2/15/2024			
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>				<b>PREPARED BY:</b> JMP					
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT						
1	Army Corps of Engineer Permit	2	24	24	8						
2	State of AK Fish and Game	2	24	24	8						
3	ADEC Section 401 Review	2	8		4						
4	Respec QC	4									
<b>TOTAL HOURS</b>		10	56	48	20						
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00						
<b>LABOR COSTS (\$)</b>		\$2,500.00	\$10,640.00	\$6,240.00	\$2,600.00						
EXPENSES					COMMENTS:						
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE	Army Corps of Engineers Permit State of AK Fish and Game Permit ADEC Section 401 Review No environmental studies						
<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$21,980</b>						
<b>IF CPFF, TOTAL INDIRECT COST @</b>				0.00%	<b>\$0</b>						
<b>TOTAL EXPENSES:</b>				<b>\$0</b>	<b>FIRM'S TOTAL EXPENSES</b>		<b>\$0</b>				
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>				<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$21,980</b>					
<b>FIRM:</b>											
<b>AMOUNT:</b>						<b>TOTAL SUBCONTRACTOR PRICES:</b>	<b>\$0</b>				

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

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**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION										
<b>TASK No:</b> 6	<b>TASK DESCRIPTION:</b> WEST CREEK LEVEE BID SERVICES										<b>DATE:</b> 2/15/2024	
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input type="checkbox"/> FPPE <input type="checkbox"/> T&E <input checked="" type="checkbox"/> CPFF <input type="checkbox"/>					<b>PREPARED BY:</b> JMP					
<b>SUB-TASK No.</b>	<b>SUB-TASK DESCRIPTION</b>	<b>LABOR HOURS PER JOB CLASSIFICATION</b>										
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT							
1	Respond to Bidders Questions		4									
2	Prebid Agenda				3							
3	Attend Pre Bid Meeting	10										
4	Prebid Meeting Minutes				3							
5	Prepare Addenda		4	8								
6	Prepare Bid Evaluation	2										
<b>TOTAL HOURS</b>		12	8	8	6							
* <b>LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00							
<b>LABOR COSTS (\$)</b>		\$3,000.00	\$1,520.00	\$1,040.00	\$780.00							

<b>EXPENSES</b>					<b>COMMENTS:</b>  Travel to Skagway for Prebid meeting, respond to bidder questions, prepare prebid meeting agenda/minutes, prepare addenda, prepare bid evaluation
<b>SUB-TASK No.</b>	<b>ITEM(S)</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>	
1	Air Fare Juneau/Skagway	1	\$575.00	\$575.00	
2	Airport Parking	1	\$20.00	\$20.00	
				FIRM'S TOTAL COST OF LABOR (or Fixed Price):	\$6,340
				IF CPFF, TOTAL INDIRECT COST @	0.00% \$0
<b>TOTAL EXPENSES:</b>					<b>\$595</b>
<b>FIRM'S TOTAL EXPENSES</b>					<b>\$595</b>
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>
					<b>\$6,935</b>
<b>FIRM:</b>					
<b>AMOUNT:</b>					<b>TOTAL SUBCONTRACTOR PRICES:</b>
					<b>\$0</b>

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION									
<b>TASK No:</b> 7		<b>TASK DESCRIPTION:</b> WEST CREEK SUBDIVISION DRAINAGE STUDY								<b>DATE:</b> 2/15/2024	
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>			<b>PREPARED BY:</b> JMP						
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT						
1	Drainage Area Calculations		16		24						
2	Site Visit for Engineer		10								
3	Drainage Report Exhibits			16							
4	Draft Drainage Report		12		12						
5	Corrections/Final Drainage Report		8		8						
6	RESPEC QC/Management	6									
<b>TOTAL HOURS</b>		6	46	16	44						
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00						
<b>LABOR COSTS (\$)</b>		\$1,500.00	\$8,740.00	\$2,080.00	\$5,720.00						
EXPENSES					<b>COMMENTS:</b> Field visit for engineer.  No hydraulic modeling						
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE							
1	Air Fare Juneau/Skagway	1	\$575.00	\$575.00							
2	Airport Parking	1	\$20.00	\$40.00							
<b>TOTAL EXPENSES:</b>				\$615	<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>		\$18,040				
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		0.00%				
					<b>FIRM'S TOTAL EXPENSES</b>		\$615				
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		\$18,655				
<b>FIRM:</b>					<b>TOTAL SUBCONTRACTOR PRICES:</b>		\$0				
<b>AMOUNT:</b>											

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC			<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION									
<b>TASK No:</b> 8		<b>TASK DESCRIPTION:</b> WEST CREEK SUBDIVISION PERCOLATION TEST PITS/REPORT								<b>DATE:</b> 2/15/2024		
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CFFF <input type="checkbox"/>			<b>PREPARED BY:</b> JMP							
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION										
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT							
1	Engineer to Skagway for Perc Test		16									
2	Field Monitoring of Test Pits		12									
3	Percolation Test Pit Report		16		12							
4	Percolation Test Pit Report Exhibits			8								
5	RESPEC QC/Management	6										
<b>TOTAL HOURS</b>		6	44	8	12							
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00							
<b>LABOR COSTS (\$)</b>		\$1,500.00	\$8,360.00	\$1,040.00	\$1,560.00							
EXPENSES					<b>COMMENTS:</b> Travel to Skagway for test pits/perc tests, overnight as need to record water levels next day. Skagway rental for excavator and operator (mini) Perc test report/exhibits							
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE								
1	Air Fare Juneau/Skagway	1	\$575.00	\$575.00								
2	Airport Parking	1	\$20.00	\$40.00								
3	Lodging	2	\$200.00	\$400.00								
3	Per Diem	3	\$125.00	\$375.00								
3	Rented Excavator w/Operator	1	\$7,500.00	\$7,500.00								
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>		<b>\$12,460</b>					
					<b>IF CFFF, TOTAL INDIRECT COST @</b>		<b>0.00%</b>	<b>\$0</b>				
					<b>TOTAL EXPENSES:</b>		<b>\$8,890</b>			<b>FIRM'S TOTAL EXPENSES</b>		<b>\$8,890</b>
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>					<b>\$21,350</b>		
<b>FIRM:</b>												
<b>AMOUNT:</b>								<b>TOTAL SUBCONTRACTOR PRICES:</b>		<b>\$0</b>		

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC		<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION									
<b>TASK No:</b> 9	<b>TASK DESCRIPTION:</b> WEST CREEK CULTURAL COORDINATION									<b>DATE:</b> 2/15/2024	
<b>GROUP:</b>	<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>					<b>PREPARED BY:</b> JMP					
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT						
1	Consult with Local Skagway Tribe	1	8		4						
2	Consult with SHPO	1	8		4						
3	RESPEC QC/Management	4									
<b>TOTAL HOURS</b>		6	16	0	8						
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00						
<b>LABOR COSTS (\$)</b>		\$1,500.00	\$3,040.00	\$0.00	\$1,040.00						
EXPENSES					<b>COMMENTS:</b> Work with MOS on cultural coordination with local tribal government for approval of project.  Coordinate with SHPO						
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE							
<b>TOTAL EXPENSES:</b>					<b>\$0</b>						
<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>							<b>\$5,580</b>				
<b>IF CPFF, TOTAL INDIRECT COST @</b>					<b>0.00%</b>		<b>\$0</b>				
<b>FIRM'S TOTAL EXPENSES</b>							<b>\$0</b>				
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>							<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>				
							<b>\$5,580</b>				
<b>FIRM:</b>											
<b>AMOUNT:</b>											<b>\$0</b>

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)

**COST ESTIMATE PER TASK**

<b>FIRM:</b> RESPEC			<b>PROJECT TITLE:</b> MOS WEST CREEK RIVER LEVEEE/SUBDIVISION									
<b>TASK No:</b> 10	<b>TASK DESCRIPTION:</b> WEST CREEK SUBDIVISION ROAD ROM						<b>DATE:</b> 2/15/2024					
<b>GROUP:</b>		<b>METHOD OF PAYMENT:</b> FP <input checked="" type="checkbox"/> FPPE <input type="checkbox"/> T&E <input type="checkbox"/> CPFF <input type="checkbox"/>			<b>PREPARED BY:</b> JMP							
SUB-TASK No.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION										
		Project Manager (Pusich)	Civil Engr. Associate (Puustinen)	AutoCAD Draftsman (Kemp)	Civil Engr. EIT							
1	Estimate of Quantities	1	16		16							
	ROM Cost Estimate	1	4									
	RESPEC QC/Management	2										
<b>TOTAL HOURS</b>		4	20	0	16							
<b>* LABOR RATES (\$/HR)</b>		\$250.00	\$190.00	\$130.00	\$130.00							
<b>LABOR COSTS (\$)</b>		\$1,000.00	\$3,800.00	\$0.00	\$2,080.00							
EXPENSES					<b>COMMENTS:</b> Prepare ROM cost estimate for West Creek Subdivision road and utility construction.							
SUB-TASK No.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE								
1												
2												
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$6,880</b>		
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		0.00%				<b>\$0</b>	
					<b>TOTAL EXPENSES:</b>		<b>\$0</b>			<b>FIRM'S TOTAL EXPENSES</b>	<b>\$0</b>	
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>										<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$6,880</b>
<b>FIRM:</b>												
<b>AMOUNT:</b>										<b>TOTAL SUBCONTRACTOR PRICES:</b>		<b>\$0</b>

\* Labor Rates shall be direct labor (base pay) only if Method of Payment is CPFF; otherwise, Labor Rates shall be total rates (i.e. base pay + benefits + overhead + profit.)