



**REVISED** February 14, 2018

Municipality of Skagway  
P.O. Box 415  
Skagway, Alaska 99840

Attn: Tyson Ames  
MOS Public Works Director

Re: Klondike Highway Sanitary Sewer & Water Extension  
Engineering Design/Survey Fee Proposal

Dear Tyson;

PDC Inc. Engineers (PDC) is pleased to submit this fee proposal for engineering design, survey and permitting services for the extension of the Municipality of Skagway (MOS) public sewer system from Alaska Street (22.5 Avenue) to the State of Alaska maintenance shop on the Klondike Highway in Skagway, Alaska. This is a distance of approximately 6,350' and would involve installing insulated sewer pipe below the existing State of Alaska DOT/PF (ADOT/PF) Skagway River Pedestrian Bridge and through ADOT/PF owned and maintained Right of Way. Underground borings beneath the Klondike Highway are anticipated to avoid open trench construction across Klondike Highway. A lift station is assumed to be required for in the Seven Pastures area prior to discharging wastewater across the pedestrian bridge and to Alaska Street where the existing sewer system is gravity flow. Lift station to be precast concrete wet well and valve vault with NEMA exterior control panel. All work within the Klondike Highway will require ADOT/PF permitting as well as ADEC permitting. Carson Dorn in 2015 prepared MOS public water system extension plans from Alaska Street to south of Dyea Road intersection. Per our discussion on 2/14/2018 the design work will also include extending the MOS public water system from the end of the Carson Dorn design at Dairy Drive north to the ADOT/PF maintenance shop which is 2,900' to the north from the Dairy Drive intersection. The project schedule as discussed would include the survey, design and permitting work to occur in 2018 with construction of the water and sanitary sewer completed under one single construction contract scheduled for 2019. The following is our understanding of the scope of work requested and our corresponding fee.

### **SCOPE OF WORK**

**Topographic Mapping:** Topographic mapping will be performed from the Alaska Street gravity manhole tie in all the way to the terminus of the sanitary sewer extension location approximately 6,350'. Existing improvements will be mapped including, but not limited to edge of pavement, shoulders, signs, pedestrian bridge, storm drain structures, utility poles, guy wires, storm drain crossings, driveways, building locations, pipe sizes/types/elevations, utility transformers and all other above ground/underground features within the Klondike Highway right of way. 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 R2015 in standard U.S. imperial units.

**65% Design Documents:** C900 PVC sewer pipe and precast concrete manholes using gravity design methods from the ADOT maintenance shop to the Seven Pastures lift station site will be designed. Strategic locations for underground pipe borings beneath Klondike Highway will be prepared and reviewed with MOS. A meeting with ADOT Bridge Design in Juneau will occur and structural design calculations proving that the new sewer main installed on the underside of the Skagway River Pedestrian Bridge will meet their requirements will be provided. We anticipate this line to be insulated and heat traced to prevent freeze up. Electrical and mechanical engineering as required for the lift station design. Water design will include determining strategic locations for water service borings beneath the Klondike Highway and routing of the proposed 10" DI water main. Prepare 65% level design plans and technical specifications for the proposed Klondike Highway sanitary sewer extension improvements. Assumes one design meeting in Skagway for review and coordination. Deliverables will be the 65% 11x17 civil plans, cost estimate and technical specifications in electronic PDF format to MOS. A Plans-in-Hand design review meeting is suggested to take place in Skagway with MOS Public Works Department at the 75% design level. This will allow an opportunity for MOS and PDC to make sure all of the requested improvements have been addressed. It is assumed that there will be at least one public meeting to discuss the project.

**95% Construction Documents:** Prepare 95% bid ready construction plans and specifications for the MOS Klondike Highway sanitary sewer and water extension improvements. Electrical and mechanical engineering as required for the lift station design. Make corrections to the 65% level plans and specifications based on MOS and agency review comments received. Deliverables will be the 95% 11x17 civil plans, cost estimate and technical specifications in electronic PDF format to MOS.

**100% Construction Documents:** Prepare 100% final bid ready construction plans and specifications for the MOS Klondike Highway sanitary sewer and water extension improvements project. Electrical and mechanical engineering as required for the lift station design. Make corrections to the 95% level plans and specifications based on MOS and agency review comments received. Final bid ready document submittal will include one original signed, 22"x34" mylar set, one original signed 11"x17" paper bond set, bid schedule, technical specifications and engineers estimate. All final document preparation will be submitted to MOS in PDF format including the specifications and engineer's estimate. AutoCAD release 2015 or newer version will be utilized.

**Bidding Services** –PDC will answer any bidder's questions that arise during the bid period for sanitary sewer or water related items, PDC project manager will attend the pre-bid conference in Skagway and prepare any addenda as required during the advertising period.

**Agency Permitting** – State of Alaska Department of Environmental Conservation Drinking Water and Wastewater permits will be required for the extension of the public sewer and water. This involves submitting numerous ADEC permit forms, drawings, utility crossing reports, Engineers Report and other paperwork. ADEC plan review fees are required for both permits, which we assume MOS would submit payment for. ADOT/PF Bridge Design will require approval for suspending sanitary sewer pipe from the underside of the pedestrian bridge. Structural seismic calculations and structural details of the sewer pipe hanging system will be required.

### **ESTIMATE OF FEES**

The following is a summary breakdown by work task for the project.

<b>MOS SANITARY SEWER EXTENSION TASK DESCRIPTION</b>	<b>FEE</b>
Topographic Mapping	\$27,480
Design Development (65%)	\$47,488
Construction Documents (95%)	\$38,682
Construction Documents (100%)	\$27,242
Bidding Services (Water and Sewer)	\$5,257
Agency Permitting (Water and Sewer)	\$15,662
<b>ESTIMATED LUMP SUM FEE TOTAL</b>	<b>\$161,811</b>

<b>MOS WATER SYSTEM EXTENSION TASK DESCRIPTION</b>	<b>FEE</b>
Design Development (65%)	\$18,293
Construction Documents (95%)	\$15,337
Construction Documents (100%)	\$13,637
<b>ESTIMATED LUMP SUM FEE TOTAL</b>	<b>\$47,267</b>

Fee estimate assumes that MOS will handle all costs for printing and advertising of the project. Additional engineering work that is requested or added to the contract will be billed on a separate time and materials basis or negotiated separately. PDC 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. PDC is committed to providing high quality and economical services to MOS. PDC can provide construction phase services to MOS if requested for this project.

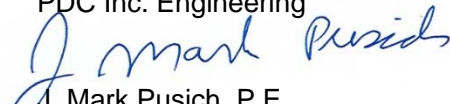
### **SCHEDULE**

We understand the project schedule is for design and permitting in 2018 and construction in 2019. Field survey work could commence once all ice and snow has melted off to allow complete visibility of the ground surface. It would be best to perform this work when there is no snow or ice covering the ground surface and all features can be seen clearly.

Should you have questions concerning this fee proposal please do not hesitate to contact me.

Sincerely,

PDC Inc. Engineering

  
J. Mark Pusich, P.E.  
Principal Civil Engineer

Attachments: Fee Spreadsheet Backup

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**COST ESTIMATE PER TASK**

<b>FIRM:</b> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION											
<b>TASK NO:</b>	2	<b>TASK DESCRIPTION:</b> DESIGN DEVELOPMENT (65%)								<b>DATE:</b>	2/14/2018			
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.								
1	Notes/Symbols/Sheet Index			2	2									
2	Survey Control Map			2	2									
3	Sheet Key Map			1	2									
4	Traffic Control Plan			4	4									
5	Erosion Control Plan			2	2									
6	Sewer Plan View			24	24									
7	Sewer Profile View			24	24									
8	Lift Station Details			24	24									
9	Pedestrian Bridge Structural Calcs			24	24									
10	Construction Details			16	16									
11	Technical Specs			4		4								
12	Quantities/Cost Estimate		1	8		4								
13	PDC QC/QA		8											
14	Plans in Hand Skagway		8											
15														
16														
17														
18														
19														
20														
<b>TOTAL LABOR HOURS</b>		0	17	135	124	8			0	0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00								
<b>LABOR COSTS (\$)</b>		\$0.00	\$3,825.00	\$19,575.00	\$13,020.00	\$720.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Develop 65% design documents, Plan views at 1" =10'. Plans in hand meeting Skagway, Submittals to be 11x17 pdfs. Draft civil specifications.									
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE										
	Large Size Xerox (11x17)	50	\$0.60	\$30.00										
	Xerox (8-1/2x11)	70	\$0.25	\$17.50										
	Skagway Air Travel for Plans in Hand	1	\$300.00	\$300.00										
	PDC Electrical for Lift Station	1	\$5,000.00	\$5,000.00										
	PDC Mechanical for Lift Station	1	\$5,000.00	\$5,000.00										
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$37,140</b>				
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		<b>0.00%</b>			<b>\$0</b>				
					<b>TOTAL EXPENSES:</b>		<b>\$10,348</b>			<b>FIRM'S TOTAL EXPENSES</b>		<b>\$10,348</b>		
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>										<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$47,488</b>		
<b>FIRM:</b>	PDC													
<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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION											
<b>TASK NO:</b>	3	<b>TASK DESCRIPTION:</b> 95% CONSTRUCTION DOCUMENTS							<b>DATE:</b> 2/14/2018					
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.								
1	Notes/Symbols/Sheet Index			2	2									
2	Survey Control Map			2	2									
3	Sheet Key Map			1	2									
4	Traffic Control Plan			4	4									
5	Erosion Control Plan			2	2									
6	Sewer Plan View			16	16									
7	Sewer Profile View			16	16									
8	Lift Station Details			20	20									
9	Pedestrian Bridge Structural Calcs			20	20									
10	Construction Details			12	12									
11	Technical Specs			4				4						
12	Quantities/Cost Estimate		1	8				4						
13	PDC QC/QA		8											
14														
15														
16														
17														
18														
19														
20														
<b>TOTAL LABOR HOURS</b>		0	9	107	96	8			0	0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00								
<b>LABOR COSTS (\$)</b>		\$0.00	\$2,025.00	\$15,515.00	\$10,080.00	\$720.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Submittals to be 11x17 and 22x34 pdf for final. Final tech specs in Word format. Corrections to 65% design submittal.									
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE										
	Large Size Xerox (11x17)	35	\$0.60	\$21.00										
	Xerox (8-1/2x11)	85	\$0.25	\$21.25										
	PDF Creator	1	\$300.00	\$300.00										
	PDC Electrical for Lift Station	1	\$5,000.00	\$5,000.00										
	PDC Mechanical for Lift Station	1	\$5,000.00	\$5,000.00										
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$28,340</b>				
					<b>IF CPFF, TOTAL INDIRECT COST @</b>					<b>0.00%</b>				
					<b>TOTAL EXPENSES:</b>					<b>\$10,342</b>				
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL EXPENSES</b>					<b>\$10,342</b>				
					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>					<b>\$38,682</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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION									
<b>TASK NO:</b>	4	<b>TASK DESCRIPTION:</b> 100% CONSTRUCTION DOCUMENTS								<b>DATE:</b>	2/14/2018	
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.						
1	Notes/Symbols/Sheet Index			1	1							
2	Survey Control Map			1	1							
3	Sheet Key Map			1	1							
4	Traffic Control Plan			2	2							
5	Erosion Control Plan			1	2							
6	Sewer Plan View			12	12							
7	Sewer Profile View			12	12							
8	Lift Station Details			8	8							
9	Pedestrian Bridge Structural Calcs			12	12							
10	Construction Details			8	8							
11	Technical Specs			8		8						
12	Quantities/Cost Estimate		1	8		8						
13	PDC QC/QA		8									
14	Bid Package Assemble			4	6							
15												
16												
17												
18												
19												
20												
<b>TOTAL LABOR HOURS</b>		0	9	78	65	16		0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00						
<b>LABOR COSTS (\$)</b>		\$0.00	\$2,025.00	\$11,310.00	\$6,825.00	\$1,440.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES												
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE	<b>COMMENTS:</b> Submittals to be 11x17 and 22x34 pdf for final. Final tech specs in Word format. Corrections to 95% design submittal.							
	Large Size Xerox (11x17)	35	\$0.60	\$21.00								
	Xerox (8-1/2x11)	85	\$0.25	\$21.25								
	PDF Creaton	1	\$600.00	\$600.00								
	PDC Electrical for Lift Station	1	\$2,500.00	\$2,500.00								
	PDC Mechanical for Lift Station	1	\$2,500.00	\$2,500.00								
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>		<b>\$21,600</b>					
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		<b>0.00% \$0</b>					
					<b>TOTAL EXPENSES:</b>		<b>\$5,642</b>					
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL EXPENSES</b>		<b>\$5,642</b>					
					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$27,242</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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION											
<b>TASK NO:</b> 5	<b>TASK DESCRIPTION:</b> BID SERVICES								<b>DATE:</b> 2/14/2018					
<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									
SUB-TASK NO.	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION												
			Project Manager	Civil Engineer	AutoCAD Draftsman	Engineering Tech.								
1	Answer Bidder's Questions			16										
2	Prepare Addenda			4	2									
3	Attend Pre-Bid Meeting		8											
4														
<b>TOTAL LABOR HOURS</b>		0	8	20	2	0		0	0	0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00								
<b>LABOR COSTS (\$)</b>		\$0.00	\$1,800.00	\$2,900.00	\$210.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Prepare addenda as required, respond to contractor bid questions. PM only to attend pre bid meeting in person in Skagway.									
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE										
	Large Size Xerox (11x17)	50	\$0.60	\$30.00										
	Xerox (8-1/2x11)	68	\$0.25	\$17.00										
	Airfare	1	\$300.00	\$300.00										
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$4,910</b>				
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		<b>0.00%</b>			<b>\$0</b>				
					<b>TOTAL EXPENSES:</b>		<b>\$347</b>			<b>FIRM'S TOTAL EXPENSES</b>		<b>\$347</b>		
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>										<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>		<b>\$5,257</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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY WATER EXTENSION										
<b>TASK NO:</b> 1	<b>TASK DESCRIPTION:</b> DESIGN DEVELOPMENT (65%)								<b>DATE:</b> 2/14/2018				
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.							
1	Water System Plan View			12	12								
2	Water System Profile View			12	12								
3	Roadway Borings			8	8								
4	Plans in Hand walkthru			8									
5	Construction Details			8	8								
6	Technical Specs			8		8							
7	Quantities/Cost Estimate		1	8		8							
8	PDC QC/QA		8										
9	Submittal Prep			4	4								
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
<b>TOTAL LABOR HOURS</b>		0	9	68	44	16			0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00							
<b>LABOR COSTS (\$)</b>		\$0.00	\$2,025.00	\$9,860.00	\$4,620.00	\$1,440.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Develop 65% design documents, Plan views at 1" =10'. Plans in hand meeting Skagway, Submittals to be 11x17 pdfs. Draft civil specifications. Project limits start at Dairy Drive and extend to the DOT maint shop (2900').								
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE									
	Large Size Xerox (11x17)	50	\$0.60	\$30.00									
	Xerox (8-1/2x11)	70	\$0.25	\$17.50									
	Skagway Air Travel for Plans in Hand	1	\$300.00	\$300.00									
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>					<b>\$17,945</b>			
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		<b>0.00%</b>			<b>\$0</b>			
					<b>TOTAL EXPENSES:</b>		<b>\$348</b>			<b>FIRM'S TOTAL EXPENSES</b>		<b>\$348</b>	
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</b>					<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>							<b>\$18,293</b>	
<b>FIRM:</b>	<b>PDC</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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION										
<b>TASK NO:</b> 2	<b>TASK DESCRIPTION:</b> 95% CONSTRUCTION DOCUMENTS								<b>DATE:</b> 2/11/2018				
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.							
1	Water System Plan View			8	8								
2	Water System Profile View			8	8								
3	Roadway Borings			8	8								
4													
5	Construction Details			8	8								
6	Technical Specs			8		8							
7	Quantities/Cost Estimate		1	8		8							
8	PDC QC/QA		8										
9	Bid Package Assemble			4	6								
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
<b>TOTAL LABOR HOURS</b>		0	9	52	38	16			0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00							
<b>LABOR COSTS (\$)</b>		\$0.00	\$2,025.00	\$7,540.00	\$3,990.00	\$1,440.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Submittals to be 11x17 and 22x34 pdf for final. Final tech specs in Word format. Corrections to 65% design submittal.								
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE									
	Large Size Xerox (11x17)	35	\$0.60	\$21.00									
	Xerox (8-1/2x11)	85	\$0.25	\$21.25									
	PDF Creaton	1	\$300.00	\$300.00									
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b>		<b>\$14,995</b>						
					<b>IF CPFF, TOTAL INDIRECT COST @</b>		<b>0.00%</b>		<b>\$0</b>				
					<b>TOTAL EXPENSES:</b>		<b>\$342</b>		<b>FIRM'S TOTAL EXPENSES</b>				
									<b>FIRM'S TOTAL COST (no Subcontracts or Fee)</b>				
									<b>\$15,337</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> PDC Engineers			<b>PROJECT TITLE:</b> MOS KLONDIKE HIGHWAY SANITARY SEWER EXTENSION									
<b>TASK NO:</b> 3	<b>TASK DESCRIPTION:</b> 100% CONSTRUCTION DOCUMENTS								<b>DATE:</b> 2/11/2018			
<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	Civil Engineer	AutoCAD Draftsman	Engineering Tech.						
1	Water System Plan View			6	6							
2	Water System Profile View			6	6							
3	Roadway Borings			6	6							
4												
5	Construction Details			6	6							
6	Technical Specs			8		8						
7	Quantities/Cost Estimate		1	8		8						
8	PDC QC/QA		8									
9	Bid Package Assemble			4	6							
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
<b>TOTAL LABOR HOURS</b>		0	9	44	30	16		0	0	0	0	0
<b>* LABOR RATES (\$/HR)</b>		\$0.00	\$225.00	\$145.00	\$105.00	\$90.00						
<b>LABOR COSTS (\$)</b>		\$0.00	\$2,025.00	\$6,380.00	\$3,150.00	\$1,440.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSES					<b>COMMENTS:</b> Submittals to be 11x17 and 22x34 pdf for final. Final tech specs in Word format. Corrections to 95% design submittal.							
SUB-TASK NO.	ITEM(S)	QUANTITY	UNIT PRICE	TOTAL PRICE								
	Large Size Xerox (11x17)	35	\$0.60	\$21.00								
	Xerox (8-1/2x11)	85	\$0.25	\$21.25								
	PDF Creaton	1	\$600.00	\$600.00								
					<b>FIRM'S TOTAL COST OF LABOR (or Fixed Price):</b> \$12,995							
					<b>IF CPFF, TOTAL INDIRECT COST @ 0.00%:</b> \$0							
					<b>FIRM'S TOTAL EXPENSES:</b> \$642							
					<b>FIRM'S TOTAL COST (no Subcontracts or Fee):</b> \$13,637							
<b>SUB-CONTRACTORS: Firm Initials and Price Per Task</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.)