Request for Proposals (RFP)
RFP # VSW-KTB-2019-20
(Re-Advertising)

Addendum Four

Department of Environmental Conservation
Village Safe Water Program

City of Thorne Bay, Alaska
General Contractor Services for Construction of Water Plant and Wastewater Plant Improvements

Date of Issue: March 8, 2019

The RFP Package is hereby clarified or changed as follows:

1. Submittal deadline is not changed
2. Remove and Replace
3. Questions and Answers
4. Attachments

The remove and replace, questions and answers and attachments begin on page two. This Addendum is hereby made part of the RFP and is a total of three pages (not including attachments).

All other terms and conditions for this RFP remain unchanged.

Issued by: Fred Parrish
Procurement Officer
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2. Remove and Replace

Remove Attachment G, Schedule of Values, and replace with Attachment A, Schedule of Values (revised 3-8-19).

3. Questions and Answers

Question 1: WTP: Section 06 20 13 Exterior Finish Carpentry – 1.2 summary A., 1. Prefabricated cedar shingle panels. Also 2.3 Exterior Trim, 2.4 Lumber Siding, - please clarify where these materials are on the project?

Answer 1: Section 06 20 13 Exterior Finish Carpentry is an artifact of an early design wall finish. It has been replaced by Section 07 42 13 - Formed Metal Wall Panels. Please see Section 07 42 13 for building siding requirements.

Question 2: This is a question on the intent of design to remove and temporarily house the WTP genset per item A2.4 in the schedule of values. Please confirm, it is, or it is not required to keep the genset connected during construction?

Answer 2: The design intent was to remove and temporarily house the generator for re-use. It is not required the generator provide back-up power for the duration of construction.

Questions 3: The documents indicate that the treatment plant will operate normally and that short interruptions will be acceptable (per the RFP, section 3, part 1, paragraph A but the definition of short is not given. How short is short? Further in the RFP, section 3, under WTP Electrical Demolition, it states the City has only a few hours of water storage). Please provide the maximum length of an interruption.

Answer 3: In section 26 00 0, page 8, section 1.11 B 7, water outages are limited to 2 hours. This could be extended if Contractors work with the City to fill the storage tank prior to an outage and have the fire department notified. Outages of more than 6 hours will be subject to review and approval by the Engineer.

Question 4: Is the electric utility in Thorne Bay consistent enough that no outages of a longer duration will occur that would be detrimental to WTP operations?

Answer 4: Thorne Bay experiences infrequent power outages and they tend to be limited to less than 10 minutes.

Question 5: Could you please give me the address of the water plant? I found it on the map on the attachment but was looking for a number address for basic location.

Answer 5: The water plant does not have a physical address. The water plant is located off of Sandy Beach Road. The mailing address is PO Box 19110, Thorne Bay, AK 99919.

Question 6: Which bid item is to include the new sidewalks and prep for the sidewalks?

Answer 6: Reference Attachment A. The schedule of values have been amended by adding a line item called "A2.8" and a line item called "A3.8".

Question 7: Bid schedule, A4.8 Finish exterior walls – the quantity shown as 700 sf does not make sense? The area of exterior wall is about 3 times this amount.

Answer 7: Quantity for A4.8 is more precisely 1510 sf, which is the total wall finish quantity less door and window area of about 200 sf. The WTP schedule of values has been modified to reflect this change (Attachment A).

Question 8: Section 074113 – Standing seam metal roofing, the product specified is AEP Span clip rib -- AEP Span has discontinued this product as on January this year. We are looking for an alternate product**.**

Answer 8: An acceptable substitute is AEP Span 'Design Span hp' for the metal roofing.

Question 9: Section 074213 – Formed Metal Wall Panels – specifies a coating system that requires a minimum quantity purchase of close to twice the quantity that is required for this project?

Answer 9: An acceptable substitute is AEP Span 'Super-Span' for the metal wall panels.

4. Attachments

The following attachments are now added to the RFP:

A. Schedule of Values, (revised 3-8-19) (eight pages)

Offerors must acknowledge receipt of this addendum prior to the submittal deadline.

The proposal documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a **mandatory requirement** and any proposal received without acknowledgment of receipt of addenda may be classified as not being a responsive proposal.

End of Addendum

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
Schedule A	Water Plant Building and Power Supply Upgrades		Schdule A1 through A8 Subtotal =		
A1.0	General Conditions			A1 Subtotal =	
A1.1	Superintendent	ea	1		
A1.2	Housing and travel	ls	1		
A1.3	Material Procurement*	ls	Included in the itemized costs		
A1.4	Equipment mobilization*	ls	1		
A1.5	Engineering and Quality Control*	ea	1		
A1.6	Safety planning and equipment*	ea	1		
A1.7	Cross Connection Elimination As Shown on G02	ls	1		

*present an itemized list.

A2.0	Building Demolition			A2 Subtotal =	
A2.1	remove building siding and trim, and associated equipment	sf	1396		
A2.2	remove roofing and roof structure	sf	1938		
A2.3	remove columns and footing bases along outside northwest wall	ea	7		
A2.4	remove and temporarily house the generator.	ls	1		
A2.5	demolish the generator walls and mechanical equipment	lf	29		
A2.6	remove sections of existing northwest wall for wall columns and doors.	ea	4		

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
A2.7	dispose of demolition waste.	tons	13		
A2.8	demolish and remove existing side walk on the south east side of the water treatment plant building	tons	2		
A3.0	Building Addition Foundation			A3 Subtotal =	
A3.1	overexcavate building addition footprint area	cy	27		
A3.2	Install drain piping around northwest and northeast ends of building, and under slab area. Bed pipe with NFS material per the specifications.	lf	106		
A3.3	Install raw water pump feeder, area light, and the KRBD Radio Repeater (notes 6, 8, and 10 on sheet E02.)	lf	140		
A3.4	Lay and compact subgrade, 3/4-inch minus material, 1-foot depth	sf	740		
A3.5	form and place reinforcement steel in slab and thickened slab foundation. (12 in x 12 in, 36 in x 36 in, 24 in x 24 in)	sf	576		
A3.6	Pour and finish slab and foundation	cy	28.4		
A3.7	Inspection by Engineer (by others)				
A3.8	Construct new sidewalk per sheet C01 including 6-inches of compacted subgrade and 4 inches of concrete.	sy	67		
A4.0	Building Addition Walls and Roof			A4 Subtotal =	
A4.1	Erect roof columns in the existing northwest wall	ea	2		
A4.2	exterior wall: frame, insulate, and apply vapor and air retarder (quantity is frame sf)	sf	700		
A4.3	interior wall: frame, insulate, and apply vapor and air retarder (quantity is the frame quantity for partition and center wall).	sf	610		
A4.4	Erect portal frame (anchor and frame W6x16)	lbs	614		
A4.5	frame the new roof (include glulam beam)	sf	2058		

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
A4.6	finish the interior walls	sf	2620		
A4.7	finish the new roof	sf	2058		
A4.8	finish exterior walls (less window and door openings)	sf	1510		
A4.9	Install the overhead door to the new building addition and finish	ea	1		
A4.10	Install interior doors and hardware	ea	3		
A4.11	Install exterior doors and hardware	ea	1		
A4.12	Inspection by Engineer (by others)				
A5.0	Mechanical, Building			A5 Subtotal =	
A5.1	Install chemical room ventilation, fans and venting	ea	2		
A5.2	Install building addition Toyo Stove and fuel lines	ea	2		
A5.3	Install generator, and generator battery charger	ea	1		
A5.4	Install gravity louver, air control dampers (and associated actuators).	ls	1		
A5.5	Install fuel supply and storage. (reuse existing tank)	ls	1		
A5.6	Inspect and test the generator, fan, and heater installation and function (by others)				
A6.0	Electrical Service Replacement			A6 Subtotal =	
A6.1	Demolish existing electrical service	ls	1		
A6.2	Develop plan to maintain service during electrical change over and execute it.	ls	1		

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
A6.3	Install service drop, disconnect and meter base	ls	1		
A6.4	Relocate MDP, and install Panel A and the transformer (item 5 on the sheet E08 equipment sechedule).	ls	1		
A6.5	Mount the WTCP (equipment provided by others). Wire to Panel A. Wire to ethernet. (E13)	ls	1		
A6.6	Wire equipment including starter/disconnect to MDP and WTCP (sheet E10): Air Pump (B-200), Backwash Pump (P-410)	ls	1		
A6.7	Connect new lake service line to the relocated MDP.	ls	1		
A6.8	Wire equipment (and any associated starter/disconnects) to Panel A and WTCP: Re-circ pump (P-410), domestic water pump (DWP-1), Exhaust fans (EF-1, EF-2, and EF-3), and unit heaters.	ls	1		
A6.9	Wire chemical feed pumps and chemical feed outlets to Panel A and WTCP (Sheet E11): Polymer pump (CF-100), Chlorine feed pump (CF-500), Soda Ash Pump (CF-501)	ls	1		
A6.10	Wire lights and fixtures per sheet E05. Wire receptacles per sheet E04.	ls	1		
A6.11	Wire existing instruments to Panel A and WTCP: turbidimeters, flow meters.	ls	1		
A6.12	Inspect and test equipment and instrument operational function by engineer (by others)				
A6.13	Provide 120 Volt power to operate the turbidimeters on the wall opposite from the filters. Mount turbidity signal transmitters and wire transmitters to the WTCP.	ls	1		
A7.0	Automate the filters			A7 Subtotal =	
A7.1	Confirm the existing Bray valve viability				
A7.2	Install air blower and plumb the air piping for air scour	ls	1		

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
A7.3	Mount and wire the air and water valve motors and test the motor function -- closing, closed, opening, and opened.	ls	1		
A7.3i	Relocate turbidimeters and transmitters on wall opposite the direct filters. Install new Hach TU5300 filter turbidimeters to monitor individual and combined fitler effluent turbidity.	ls	1		
A7.4	Inspection and testing of wiring.	ls	1		
A7.5	Start up by others (WTCP integrator). Contractor, including electrical and mechancial, to be on site for inspection and assist with start up.				
A7.6	Training (by others)				
A8.0	Nanofiltration Equipment			A8 Subtotal =	
A8.1	Plumb the NF unit, supply, return, and waste piping.	ls	1		
A8.2	Install and plumb the nanofiltration unit and equipment (owner provided, manufactured by Pure Aqua).	ls	1		
A8.3	Wire the nanofiltration control panel. Provide all field wiring connections (power and control) to the nanofiltration control panel and equipment.	ls	1		
A8.4	Inspect and test plumbing and electrical associated with nanofiltration equipment and instruments.	ls	1		
A8.5	Start up the nanofiltration unit. Requires Pure Aqua start up representative, Engineer, and the System Integrator (owner furnished)	ls	1		
A8.6	Inspect and test equipment and instrument operational function by engineer and Pure Aqua (by others)				
A8.7	Training (by others)				

Schedule of Values, (revised 3-8-19)

Item	Description	units	quantity	Unit Price	Total
A9.0	Self Back-washing Screen			A9 Subtotal =	
A9.1	Install Self Back-washing equipment* (BS-1). Requires equipment submittal.	ls	1		
A9.2	Wire the Self Back-washing Screen (BS-1) to Panel A and WTCP.	ls	1		
A9.3	Inspection by Engineer (by others)				

* includes contractor procured equipment.

Note that cost score will be based on the Total value.

Total Schedule A =

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
Schedule B	Wastewater Plant UV Disinfection Project		Schedule B1 and B2 Subtotal =		
B1.0	UV Disinfection Project General Conditions			B1 Subtotal =	
B1.1	Superintendent	ea	1		
B1.2	Housing and travel	ls	1		
B1.3	Material Procurement*	ls	Included in the itemized costs		
B1.4	Equipment mobilization*	ls	1		
B1.5	Engineering and Quality Control*	ea	1		
B1.6	Safety planning and equipment*	ea	1		
B2.0	UV Disinfection			B2 Subtotal =	
B2.1	Complete demolition of chlorine contact basin elements per the plans -- Remove the broad crested weir, portion of hand rail, telescoping valve.	ls	1		
B2.1	Construct tee and valving from the extended aeration line that enters the contact basin. Run the pipe to the new UV bank channel through the existing wall and new bulkhead.	ls	1		
B2.2	Complete steel work including W10x22 I beam, framing for the steel grating, etc.	ls	1		
B2.3	Raise the UV Channel floor with clean gravel and a new reinforced concrete floor. Construct new reinforced concrete UV channel walls. Construct new reinforced concrete bulkhead with penetration for the new extended aeration supply piping.	ls	1		
B2.4	Construct the pad for hoist and UV related equipment. Install the hoist.	ls	1		
B2.5	Install remaining steel works -- pipe support, grated platform, stairs, stair rails.	ls	1		

Schedule of Values

Item	Description	units	quantity	Unit Price	Total
B2.6	Install the extended aeration liquid supply piping, support frame work, and associated type I and II wall penetrations.	ls	1		
B2.7	Install the owner furnished Glasco UV Equipment -- Includes 2 each UV units, level control weir, and air compressor.	ls	1		
B2.8	Install new circuits and breakers in the Panel LM. Install Buck-boost transformer. Install Sensaphone.	ls	1		
B2.9	Install buried power and control wire to the UV Control Panel. Wire the Flow Meter, Float Switch, and UV Units.	ls	1		
B2.10	Inspect the installation. Startup the UV system with the Engineer and Glasco representative.				
B2.11					
	Additive Alternate				
B3.0	Wastewater Plant -- Back Up Power Generator		Additive Alternate B3 Subtotal =		
B3.1	Construct Generator Pad. Place the new generator.	ls	1		
B3.2	Install emergency power and control circuits and normal power circuits to the Automatic transfer switch	ls	1		
B3.3	Install Automomatic Transfer Switch	ls	1		
B3.4	Relocate outside lighting panel to accommodate the ATS.	ls	1		
B3.5	Route Feeder from ATS to HDMP	ls	1		
B3.6	Inspect and test by others including Engineer				

Schedule A1 through A9 Subtotal =	
Schedule B1 and B2 Subtotal =	
Additive Alternate B3 Subtotal =	

Total Schedule A and B and additive alternate(s) =