CITY OF TAMPA

Bob Buckhorn, Mayor **CONTRACT ADMINISTRATION DEPARTMENT**

David L. Vaughn, AIA, Director

ADDENDUM NO. 3

DATE: July 30, 2014

Contract 14-C-00028; Howard F. Curren AWTP Final Sedimentation Tanks Rehabilitation Phase 2

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Instructions to Bidders, Section 1-Special Instructions, Page I-1a, Subsection I-1.05 Time for Completion: Change the time of completion from 360 to 440 consecutive calendar days.

Item 2: Sheet 4, General Notes, Note A-6: Replace existing note with the following:

A-6. AWTP personnel shall be responsible for initial draining of sedimentation tanks. Contractor shall provide a minimum of five working days notice (in writing) before having AWTP personnel drain a tank. Contractor shall be responsible for subsequent draining of water accumulated from minor tank leaks and rainwater. Contractor shall pump accumulated water out of the cross collector sumps and discharge the water into the sedimentation tanks influent channel.

Item 3: Sheet 4, Longitudinal Collectors Notes: Add the following note:

C-8. The bottoms of the concrete beams / dividing walls in the effluent end of the sedimentation tanks shall be adjusted (grinding, resurfacing, etc.) as necessary to obtain a flush and level surface to install the stub shaft mounting frames within tolerances, as recommended by Polychem Systems. These areas consist of two 24”x 24” areas and a single 12”x 24” area in each of the six sedimentation tanks.

Item 4: Sheet 4, Demolition Notes: Add the following note:

D-7. Existing scum troughs to be removed are filled with sediment. Contractor is responsible for hauling sediment from scum troughs off of the treatment plant site and disposing of it in a manner conforming to all federal, state and local regulations.

Item 5: Sheet 4, Demolition Notes: Add the following note:

D-8. Contractor shall remove all existing inlet baffles and associated mounting frames and cut all anchor bolts back to one inch below concrete surfaces and grout over depressions with non-shrink grout.

Item 6: Sheet 11, Proposed Inlet Baffle and Support Details: Section 18 and Detail 1: Change the thickness of the 4” x 4” Stainless Steel angle in Section 18, and in Detail 1, from 1/4” to 3/8”. Also, change “GALV. STL” in Detail 1 to “Stainless Steel”.

Item 7: Sheet 11, Proposed Inlet Baffle and Support Details: Notes, on lower right corner of sheet: Add the following note:

2. Anchoring system shall be Hilti HVA, or approved equal, and shall be installed as per manufacturer's recommendations.

Item 8: Sheet 12, Proposed Effluent Upper Idler Shaft Mounting Frames: Void all information given on Sheet 12. The mounting frames shown in Sheet 12 have been re-designed and now shall be supplied by Polychem Systems as part of its Sludge Collector Equipment package.

Item 9: Section W55-Sludge Collector Equipment, Subsection W-55.01.01 Scope, Item B: Replace Item B with the following:

B. Tanks shall consist of six (6) tanks, with each tank containing four (4) influent end longitudinal collectors, four (4) effluent end longitudinal collectors and two (2) cross collector basins.

1. Contractor shall replace the longitudinal collector drive chains, drive shafts (and sprockets), idler shafts (and sprockets), flight chains, and flights in tanks 7 through 12.
2. Contractor shall replace all wear strips in tanks 7 through 12 and all longitudinal collector return flight rails and brackets in tanks 7 through 12.
3. Contractor shall replace the cross collector drive chains, drive shafts (and sprockets), idler shafts (and sprockets), flight chains, and flights in tanks 7 through 12.

Item 10: Section W55-Sludge Collector Equipment, Subsection W-55.02.03 Wear Shoes: Replace Subsection W-55.02.03 with the following:

<u>W-55.02.03 Wear Shoes</u>

A. Each scraper flight shall be provided with two (2) ½ inch thick wear shoes to run on floor rails and two (2) ½ inch thick wear shoes to run on return rails.

1. Shoes shall be molded from self-lubricating Black or dark gray Nylon 6-6.
2. Wearing shoes shall have a minimum Rockwell Hardness of M88 when measured at time of manufacture.
3. Shoes shall have an average tensile strength of 13,400 psi.
4. Carrying wear shoes shall run on floor mounted wear strips and shall be located central to the chain attachment link to avoid additional drilling of scraper flights.
5. Return wear shoes shall run on return tracks and be lugged to ensure proper flight tracking.
6. Wear shoes shall be reversible providing two (2) usable wearing surfaces.
7. The leading edge of all wear shoes shall be rounded for smooth transition between wear strips.

Item 11: Section W55-Sludge Collector Equipment, Subsection W-55.02.04 Collector Chain NCS-720-S Sprockets, Item A.2: Replace Item A.2 with the following:

2. Average tensile strength of 10,000 psi measured at the time of manufacture.

Item 12: Section W55-Sludge Collector Equipment, Subsection W-55.02.05 Collector Stub Shafts / Stub Shaft Spindles, Item A.2: Replace Item A.2 with the following:

2. Average tensile strength of 10,000 psi measured at the time of manufacture.

Item 13: Section W55-Sludge Collector Equipment, Subsection W-55.02.11 NH-78 Drive and Driven Sprockets, Item D.2: Replace Item D.2 with the following:

2. Average tensile strength of 10,000 psi measured at the time of manufacture.

Item 14: Section W55-Sludge Collector Equipment, Add the following as Subsection W-55.04 Manufacturer's Cost Proposal:

W-55.04 Equipment Manufacturer's Cost Proposal

W-55.04.01 Cost Proposal

A. Polychem Systems, a Division of Brentwood Industries, has requested that the City include the attached Cost Proposal in the Contract Documents for the required equipment and associated services that it will be providing. This proposal is directly from the Manufacturer and should be considered as the official cost proposal to all prospective contractors that are bidding on this project. It should be noted that the Terms and Conditions of this proposal are solely between the Equipment Manufacturer and the Bidding Contractors.

Item 15: Add the attached Equipment Manufacturer's Cost Proposal from Polychem Systems, a Division of Brentwood Industries, to the end of Specification Section W55-Sludge Collector Equipment.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to Contract Administration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

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PROPOSAL #WG00557R3	TAMPA, FL - HOWARD F. CURREN AWWTP FINAL SEDIMENTATION TANKS REHAB, PH. 2

July 25, 2014

Attn: Jim Hennessy
City of Tampa
2545 Guy N. Verger Blvd.
Tampa FL 33605

Phone: 813-274-7869
email: james.hennessy@tampagov.net

Re: Tampa, FL - Howard F. Curren AWWTP Final Sedimentation Tanks Rehab, Ph. 2
Polychem's Chain and Flight Sludge Collection System

BID PROPOSAL

Polychem Systems, a Brentwood Brand, proposes and offers to supply all materials and services as an Approved manufacturer and in general accordance with the plans and specifications and subject to the terms and conditions stated herein.

TECHNICAL SPECIFICATION(S): SLUDGE COLLECTION EQUIPMENT

SECTION(S): 55
ADDENDA RECEIVED: 1

POLYCHEM PROPOSES TO FURNISH CHAIN AND FLIGHT EQUIPMENT AS FOLLOWS FOR FINAL TANKS 7-12:

Twenty-Four (24) Final Effluent Longitudinal Collector Mechanisms, Approximately
105 FT Long x 15.75 FT Wide x 10 FT AWD, 4 Shaft System
and
Twelve (12) Final Cross Collector Mechanisms, Approximately
26 FT Long x 10 FT Wide x 13 FT AWD, 3 Shaft System
and
Twenty-Four (24) Final Influent Longitudinal Collector Mechanisms, Approximately
125 FT Long x 15.75 FT Wide x 10 FT AWD, 4 Shaft System

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PROPOSAL #WG00557R3	TAMPA, FL - HOWARD F. CURREN AWWTP FINAL SEDIMENTATION TANKS REHAB, PH. 2

SUBMITTALS:
Shop drawing and submittal preparation will be in accordance with specification or customer requirements.

FIELD SERVICE:
The services of a qualified Polychem field technician is included to assist in inspection, startup, and operator training. Duration limited to Seven (7) trip(s) for Fourteen (14) man-day(s) total. Additional field services can be provided at the per diem rate of $950 U.S. per day plus travel expenses. Non use of contractual field service days does not generate a credit on this project. Field service requires a minimum 2 week notice and is based on technician availability. Less notice may be accommodated with additional costs.

FREIGHT:
Freight allowed, best way, point of manufacture to job site. Requests for specific methods of shipment will be at requestors' expense.

TIME AND DELIVERY:

1. Polychem Systems will furnish initial submittal drawings approximately ten to twelve (10-12) weeks after receipt of executed purchase order and necessary structural information.
2. Estimated Review: Polychem estimates a four (4) week review period by consulting engineering.
3. We further propose to furnish the equipment approximately twelve (12) weeks after receipt of final engineering approval and returned submittal drawings.

TERMS:

1. 30 Days net for all materials shipped and received or all materials stored at our facility ready for shipment, pending credit approval.
2. These terms are not contingent upon or in conjunction with any agreement purchaser has with other parties.
3. For Standard Terms and Conditions click on www.brentwoodindustries.com/terms

TAXES:
Pricing does not include any States' sales tax if applicable, unless otherwise stated.

WARRANTY:
Polychem warrants material supplied on this project to be free from defects in workmanship or materials for a period of twelve (12) months from date of certification by an authorized Polychem representative or eighteen (18) months from date of shipment, whichever shall occur first. Warranty excludes labor to install or remove parts.

VALIDITY:
This proposal is valid for a period not to exceed 90 days from latest date shown above. Pricing on this project is based upon shipment schedule as shown above. Extensions to delivery timelines may require renegotiation of pricing.

ESCALATION:
The prices quoted are subject to adjustment to reflect changes in stainless steel prices should these changes in price exceed 5%. It is understood and agreed that it will be Polychem System's option whether to invoke escalation, should the price exceed this amount.

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PROPOSAL #WG00557R3	TAMPA, FL - HOWARD F. CURREN AWWTP FINAL SEDIMENTATION TANKS REHAB, PH. 2

***COMPONENTS INCLUDED:**

COMPONENT	DESCRIPTION / MATERIAL
Drive Chain	NH78, Reinforced Nylon Resin w/ 303 SS Pins
Collector Chain Pins and Retainer Clips	Glass Reinforced Nylon Pins w/ Acetal Retainer Clips
Collector Chain Links	NCS-720-S, Reinforced Thermoplastic Polyester Resin
Chain/Flight Attachment Links	NCS-720-S, Reinforced Thermoplastic Polyester Resin, F-22-8
Flights - Effluent Longitudinal Collector(s)	3x8 nominal C-Channel w/ Integral Lip, Fiberglass Reinforced Plastic, spaced at 10 Ft (3.05 m) intervals
Flights - Cross Collector(s)	3x8 nominal C-Channel w/ Integral Lip, Fiberglass Reinforced Plastic, spaced at 5 Ft (1.52 m) intervals
Flights - Influent Longitudinal Collector(s)	3x8 nominal C-Channel w/ Integral Lip, Fiberglass Reinforced Plastic, spaced at 10 Ft (3.05 m) intervals
Wear Shoes	**Black** Nylon 6-6
Hardware	316 SS
Fillerblocks	Polypropylene
Headshaft Spindles	Cast Nylon-6
Headshaft(s)	Biaxially Wrapped Fiberglass Epoxy Tube(s) w/ Internal UHMW-PE Tubular Bearings
Driven Sprocket(s)	NH78, 40T, Cast Nylon-6, w/integral teeth
Collector Sprockets for Headshaft(s)	NCS-720-S, 23T, Cast Nylon-6
Set Collars	Split, Cast Nylon-6, w/ 316 SS Clamping Band
Headshaft Keys	Nylon 6-6
Collector Sprockets for Stub Shafts	NCS-720-S, 17T, Cast Nylon-6
Idler Stub Shafts	Cast Nylon-6 w/UHMW-PE Outer Journal Bearing
Retainer Plate for Stub Shaft	Polycarbonate
Effluent Upper Idler Stub Shaft Plates (3 Per Tank, 18 total)	**304 SS, Welded Bracket, 3/8" thick, (1) Plate: 1 ft wide x 2 ft long, (2) Plates: 2 ft wide x 2 ft long, to support (2) stub shafts on Existing T-Beam Concrete Dividing Walls.**

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PROPOSAL #WG00557R3	TAMPA, FL - HOWARD F. CURREN AWWTP FINAL SEDIMENTATION TANKS REHAB, PH. 2

***COMPONENTS INCLUDED (Continued):**

COMPONENT	DESCRIPTION / MATERIAL
Wall Bracket Supports for Return Track	Nylon 6-6
Wall Bracket Adapter Plates	**304 SS**
Run Shoe to Splice Wall Bracket to Return Track	Nylon 6-6
Spacers for Wall Brackets (if required)	Nylon 6-6
Return Track	3 x 3 x 3/8 Angle, Fiberglass Reinforced Plastic
Wearstrip	**Starboard ®, 3/4" thick x 3" wide**
Deflector/Hold down Rail (if required by equipment layout)	FRP Angle Rail w/UHMW-PE Wearstrip and Nylon 6-6 Wall Support Brackets
Anchor System	316 SS
Adhesive for Anchors w/ Dispenser	Hilti
Drive Sprocket Shear pin Assembly	11T Nylon Sprocket w/ Bronze Insert Mounted to 304 SS Shear Pin Hub

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ITEMS SPECIFICALLY NOT INCLUDED

1. Drive Chain Tensioner
2. Limit Switch(es) and Support(s)
3. Drive Unit Motor and Reducer
4. Base Plate for Drive Unit
5. Chain Guard
6. SmartGuard Flight and Sprocket Monitoring System
7. Rotating Scum Troughs or Helical Skimmers
8. Control Panel(s)
9. Effluent Troughs, Weirs, Baffles

Brentwood Industries, Inc.
500 Spring Ridge Dr., Reading PA 19610
Phone: 610.236.1100 brentwoodindustries.com Fax: 610.376.6022

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PROPOSAL #WG00557R3	TAMPA, FL - HOWARD F. CURREN AWWTP FINAL SEDIMENTATION TANKS REHAB, PH. 2

Polychem meets or exceeds the specification as written except for items listed in the below table. Polychem offers the following clarifications and/or deviations to the specification

SPEC. SECTION	CLARIFICATIONS TO SPECIFICATION SECTION: 55
W-55.02.04.A.2	Polychem sprockets have an average tensile strength of 10,000 psi when measured at time of manufacturer.
W-55.02.05	Polychem stub shafts and spindles have an average tensile strength of 10,000 psi when measured at time of manufacturer.
W-55.02.11.D.2	Polychem driven sprockets have an average tensile strength of 10,000 psi when measured at time of manufacturer.

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GENERAL EXCLUSIONS: (unless below items are listed as included elsewhere in this proposal, they are excluded)

1. Successful contractor shall be responsible for field verification of all dimensions.
2. Foundations, or support plates / diaphragm plates, except for Upper Idler Stub Shaft Support Plate (included).
3. Bid, performance, supply, or maintenance bonds or PE Stamp.
4. Installation of equipment and anchor systems, concrete, sealing compounds, shim stock or grout.
5. **Grouting behind stub shafts, spindles, & wall brackets in not included, but is required for our system.**
6. Tools or spare parts (unless listed elsewhere in this proposal).
7. System is designed for continuous operation. Intermittent operation is not recommended.
8. Field paint, touch-up, finish painting, or finish coatings, and all reducer oil, bearing grease, or other lubricants.
9. Unloading, hauling, erection, and storage of equipment.
10. Grease line piping (unless listed elsewhere in this proposal) or grease guns.
11. Any electrical components or controls not shown in component included section of this proposal.
12. All control panels (unless listed elsewhere in this proposal), electrical conduit, wire fittings, or boxes.
13. Wall Sleeves, weirs, baffles, overflow weirs, effluent troughs (unless listed elsewhere in this proposal).
14. Any component shown or described on a drawing and not included in the Components Included section of this Proposal, or any component or service not shown in this proposal.

MANUFACTURER'S REPRESENTATIVE:

Please direct all questions regarding this proposal to the following Regional Sales Manager:

Contact: David Barrasse

Company: Brentwood Industries, Inc.

Address: 500 Spring Ridge Road
Reading PA 19610

Phone Number: 610-347-8821

Email: david.barrasse@brentwoodindustries.com

PRICING:

LUMP SUM TOTAL PRICE: $1,665,400.00

Proposal Submitted By:

Christopher S. Fredericks

Christopher S. Fredericks, Senior Product Manager
Polychem Systems, a Brentwood Brand
email: chris.fredericks@brentw.com