

**CHANGE ORDER NO.: 3**

Owner:	Town of Bristol	Owner's Project No.:	WW22532001
Engineer:	Commonwealth Engineers, Inc.	Engineer's Project No.:	S22145
		Contractor's Project	
Contractor:	Crosby Construction	No.:	24105-01
Project:	WWTP Improvement Project		
Contract Name:	WWTP Improvement Project		
	Effective Date of Change		
Date Issued:	Order:		

The Contract is modified as follows upon execution of this Change Order:

Description: Eliminate Decorative Masonry and Veneers/paint exteriors of SBR and headworks, add fence along SBR property line, upsize bulk chemical tank, and procure/install new influent autosampler and procure new portable autosampler

Attachments: Recommendation Letter, Change Order Breakdown Memo, WCD-7 and associated Contractor Proposal, WCD-5 and associated Contractor Proposal, and WCD-6 and associated Contractor Proposal

Change in Contract Price		Change in Contract Times [State Contract Times as either a specific date or a number of days]	
Original Contract Price:		Original Contract Times: Calendar days	
\$ 24,293,749.00		Substantial Completion:	630
		Ready for final payment:	30
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. 2:		[Increase] [Decrease] from previously approved Change Orders No. 1 to No. 1	
\$ 212,968.70		Substantial Completion:	90
		Ready for final payment:	0
Contract Price prior to this Change Order:		Contract Times prior to this Change Order:	
\$ 24,080,780.30		Substantial Completion:	720
		Ready for final payment:	30
[Increase] [Decrease] this Change Order:		[Increase] [Decrease] this Change Order:	
\$ 48,065.00		Substantial Completion:	
		Ready for final payment:	
Contract Price incorporating this Change Order:		Contract Times with all approved Change Orders:	
\$ 24,032,715.30		Substantial Completion:	720
		Ready for final payment:	30

Town of Bristol  
WWTP Improvements Project  
Change Order #3

Recommended by Engineer (if required)

By: Amy Mendoza  
Title: Project Engineer  
Date: 5/9/25

Authorized by Owner

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

Accepted by Contractor

By: Russell Jacobs  
Title: Vice President  
Date: 5/13/2025

Approved by Funding Agency  
(if applicable)

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_



May 9, 2025

Mike Yoder  
Town of Bristol  
303 E Vistula St  
Bristol, IN 46507

**RE: Job Number S22145  
WWTP Improvement Project  
Proposed Change Order No. 3**

Dear Mr. Yoder:

Enclosed, please find the proposed Change Order No. 3 (CO #3) for the Town of Bristol's consideration and approval.

This CO #3 includes a net contract price decrease of \$48,065.00 and no additional contract time resulting in a new total contract price of \$24,032,715.30 and no additional contract time; this keeps allowed time to overall project substantial completion at 720 days.

Recommendation

We have reviewed the cost items and determined them to be fairly priced. This proposed change order consists of the following items:

- Eliminate Decorative Masonry and Veneers on Headworks and SBR
- Add Fence Adjacent to SBR
- Paint Exterior of SBR and Headworks Concrete Structures
- Upsize Bulk Chemical Tank
- Add Influent Autosampler at Influent Pump Station
- Procure Portable Autosampler for the Town

Further details can be found in the attached memorandum. We recommend acceptance of this change order. The table below provides a summary of components included within this change order:

Description	Cost Change	Time Extension (Days)	Summary Notes
Eliminate Decorative Masonry & Veneers, Add Fence, Paint Headworks and SBR	\$(100,581.00)	0	The Town decided to save cost by eliminating decorative masonry and veneers on exteriors of headworks and SBR structures, adding a new vinyl privacy fence between the new SBR and neighborhood, and paint the SBR and Headworks concrete structures.
Upsize Bulk Chemical Tank	\$7,140.00	0	The Town requested to increase the bulk ferric chloride chemical tank capacity to allow them to receive full tanker loads of chemical and thus receive the lowest pricing.
Add Influent and Portable Autosamplers	\$45,376.00	0	The Town requested to add influent and portable autosamplers to help them track wastewater quality coming into the plant and address the operational problems associated with high strength waste coming from a problem-user in the system.
<b>Total:</b>	<b>\$(48,065.00)</b>	<b>0</b>	

If you have any questions, please feel free to contact us.

Sincerely,

**COMMONWEALTH ENGINEERS, INC.**



Amy Mendoza, P.E.



**COMMONWEALTH<sup>™</sup>**  
**ENGINEERS, INC.**  
A wealth of resources to master a common goal.

**100 East Wayne St., Suite 315**  
**South Bend, IN 46601**  
**PH: (574) 800-7177**

## **CHANGE ORDER SUMMARY MEMORANDUM**

---

**DATE:** May 9, 2025

**SUBJECT:** Wastewater Treatment Plant Improvements  
Work Item Breakdown for Change Order No. 3

---

Change Order No. 3 for this project includes a net cost decrease associated with eliminating the decorative masonry allowance and masonry veneers, adding a new vinyl fence adjacent to the new SBR, increasing the size of the bulk chemical tank, and adding a new permanent influent autosampler and procuring a new portable autosampler for the Town. The Engineer has reviewed the costs submitted by the Contractor and considers them fair. No change to the Contract duration is associated with this change order.

The attached request for change includes the resulting net decrease associated with the items described below.

**1) Eliminate Decorative Masonry and Veneers, Add Vinyl Fence and Paint Headworks and SBR Exteriors**

The Town originally intended to have a decorative masonry exterior on the exterior of the SBR and headworks building facing the neighboring homes. However, to save cost, the Town requested to eliminate this item and construct an 8-foot vinyl fence adjacent to the SBR along the Town's existing property. The Town requested to add painting the concrete exterior of the SBR and headworks structures. Included in this item is surveying by a licensed surveyor to confirm the property line where the new fence will be added. The cost of all items included are detailed in the table below.

<b>Item</b>	<b>Cost</b>
Eliminate Brick Veneer from Headworks and SBR Structures	\$ (114,120.00)
Eliminate Decorative Masonry Allowance	\$ (100,000.00)
Remove Existing Fence, Furnish and Install New 8-foot Vinyl Privacy Fence	\$ 66,688.00
Paint Exterior of Headworks and SBR structures	\$ 46,851.00
<b>Total</b>	<b>\$(100,581.00)</b>

## 2) Increase Bulk Chemical Tank Size

The Town requested increasing the chemical tank size based on their interactions with chemical suppliers to allow them to accept a full tanker truckload of chemical and thus obtain the lowest pricing. This item includes increasing the size of the concrete pad under the tank and adjusting the knockout wall which was sized for future removal of the original-sized tank. The cost for this item is \$7,140.

## 3) Add Influent Autosampler and Procure Portable Autosampler

The WWTP has recently struggled with receiving high-strength waste from what appears to be a single user in the system. This has led to difficulties meeting effluent limits. The Town wants to add a permanent influent autosampler to the scope of work to both help them identify/track when high strength wastewater is received and to help them tailor plant operations based on influent waste strength. The cost for the permanently installed influent autosampler includes the necessary additional work and materials to install the autosampler at the new influent lift station. The Town also wants to procure a portable autosampler that they can use in the collection system to help them determine where high strength waste is originating. The total cost for this item is \$45,376.

The table below provides a summary of components included within this change order:

Description	Cost Change	Adjustment in Contract Time (Calendar Days)
Eliminate Decorative Masonry & Veneers, Add Fence, Paint Headworks and SBR	\$(100,581.00)	0
Upsize Bulk Chemical Tank	\$7,140.00	0
Add Influent and Portable Autosamplers	\$45,376.00	0
<b>Total:</b>	<b>\$(48,065.00)</b>	<b>0</b>

**WCD-7 and Associated Contractor Proposal**

Eliminate Decorative Masonry, Veneers on SBR and Headworks

Add New Vinyl Fence Adjacent to SBR

Paint SBR and Headworks



*Environmental Engineers & Consultants*

*7256 Company Drive*

*Indianapolis, IN 46237*

*PH: (317) 888-1177*

*FAX: (317) 887-8641*

## WORK CHANGE DIRECTIVE #7

---

**TO:** Russell Jacobs, Crosby Construction

**FROM:** Amy Mendoza, P.E., Commonwealth Engineers, Inc.

**CC:** Jeremy Hardy, P.E., Commonwealth Engineers, Inc.  
Darren Wells, P.E., Commonwealth Engineers, Inc.

**DATE:** March 3, 2025

**SUBJECT:** Town of Bristol, Indiana Wastewater Treatment Plant Improvements, Work Change Directive No. 7

---

### Issue:

1. The Town of Bristol desires to replace their existing fence along the east edge of the property (see blue line shown on attached site plan).
2. The Town wants to eliminate both the decorative masonry and the masonry veneers from the scope of the project.
3. The Town would like to consider multiple finish options for the exterior of the SBR and headworks concrete: plain (no additional cost), rubbed finish, and painted. The Town will decide based on pricing provided by Contractor.

### Work Directive:

1. A new 8-foot tan vinyl privacy fence shall be constructed along the east edge of the property adjacent to the SBR (see attached site plan with fence markup). The existing fence in this area shall be demolished and lawfully disposed. New 2.5" steel SS40 posts shall be set in concrete footings as shown on sheet MD7 for chain link fence. 5"x5" vinyl post sleeves shall be used over steel posts. Contractor to ensure a property boundary survey is completed by licensed surveyor prior to fence being constructed.

Submit fence design for approval of appearance. The Town likes the appearance of the fence below:



2. Decorative masonry allowance and decorative masonry veneers shall be eliminated from scope of work. Credit shall be provided.
3. The Town would like a proposal for a rubbed finish added to exposed exterior of Headworks and SBR. Rubbed finish specifications are in WM 5.2, Part 3.06C.
4. The Town would like a proposal for painting the exposed exterior of the headworks and SBR with the coating specified in WM 25.1, page 6 of 19 for Exterior Exposed Concrete. If Town chooses this option, Contractor will submit color options for Town to select color.

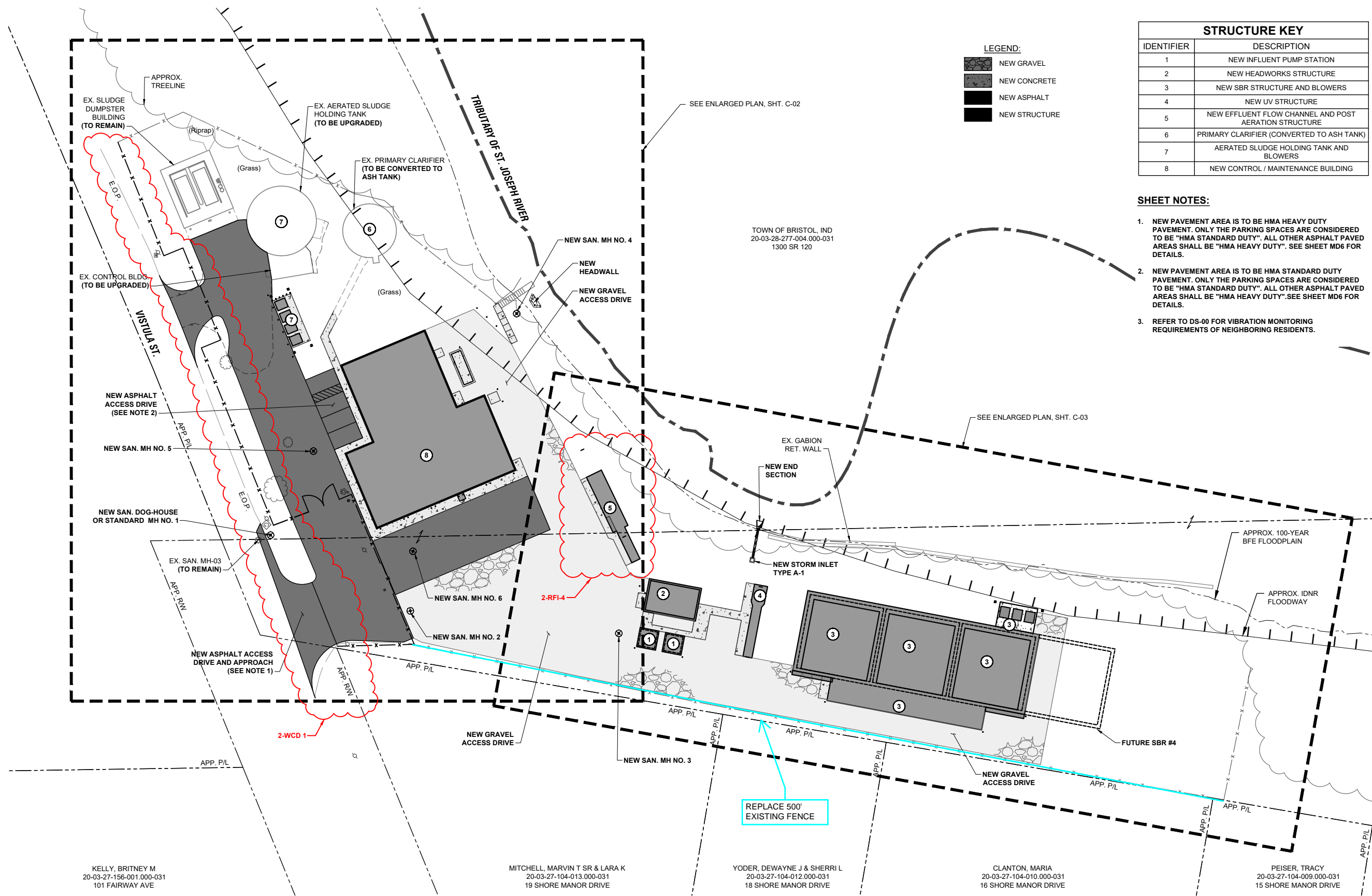
In summary, the following separate detailed proposals are requested:

1. Fence cost including boundary survey and removal of existing fence.
2. Credit for removing masonry allowance and masonry veneers
3. Cost for rubbed finish of Headworks and SBR
4. Cost for coating exterior of Headworks and SBR with specified coating in WM 25.1.

The Contractor shall review this Work Change Directive No. 7 and notify the Engineer if any additional clarifications are necessary regarding this issue prior to submitting their proposal for this portion of the work.

**Attachments:**

- Site Plan with new fence location shown



STRUCTURE KEY	
IDENTIFIER	DESCRIPTION
1	NEW INFLUENT PUMP STATION
2	NEW HEADWORKS STRUCTURE
3	NEW SBR STRUCTURE AND BLOWERS
4	NEW UV STRUCTURE
5	NEW EFFLUENT FLOW CHANNEL AND POST AERATION STRUCTURE
6	PRIMARY CLARIFIER (CONVERTED TO ASH TANK)
7	AERATED SLUDGE HOLDING TANK AND BLOWERS
8	NEW CONTROL / MAINTENANCE BUILDING

## SITE IMPROVEMENTS AND STRUCTURE KEY PLAN



April 11, 2025

Ms. Amy Mendoza  
Commonwealth Engineers, Inc.  
7256 Company Drive  
Indianapolis, IN 46237

Re: Town of Bristol Wastewater Treatment Plant  
Improvement WCD # 7

Dear Ms. Mendoza:

We are pleased to submit pricing in accordance with WCD # 7 for the following:

- Eliminate brick veneer to Headworks and SBR structure. **(Credit \$114,120.00)**
- Eliminate decorative masonry allowance. **(Credit \$100,000.00)**
- The cost to remove existing wood fence. Furnish and install new 8ft tall PVC privacy fence along the east edge of the property adjacent to the SBR structure. **Add \$66,688.00**
- The cost to coat the exterior of the Headworks and SBR structure, in accordance with the coating section WM 25 of the project specification. **Add \$46,851.00**
- ~~Please note that the pricing associated with this item is a rough order of cost and may need to be adjusted based on actual time to complete the work associated with rubbing hardened concrete surfaces with carborundum stones.~~ **Add \$75,864.00**

**This option not  
selected**

Please let us know if you have any further questions or need additional information.

Sincerely,

CROSBY CONSTRUCTION, INC.

A handwritten signature in black ink that reads "Russell Jacobs".

Russell Jacobs  
Vice President


**GENERAL CONTRACTOR**

Commercial • Industrial | Construction Management | Design-Build | Water • Wastewater Treatment Facilities | Process Piping & Equipment

2805 Freeman Street | Fort Wayne, Indiana 46802 | P: 260-432-5114 | F: 260-432-1610 |  
[www.recrosby.com](http://www.recrosby.com)

4/10/2025		Description: WCD #7 Coating exterior of Headworks and SBR structure										Job: 24105						
Description	Qty.	B	H	L	TOT.	UM	Crew	MH	UM	UPL	Labor	UPM	Materials	UP JE	Job Exp.	UPS	Subcontracts	Totals
Project Manager							PM	2	HR	\$ 225	450							450
Site Supervision / As-Builts								6	HR	\$ 125	750							750
Layout / As-Builts											0							0
Tools / Equipment											0							0
Dumpster / Cleanup											0							0
Mobilization											0							0
Temp. Utilities / Fuel											0							0
Winter Protection											0							0
Testing											0							0
Painting											0		0					0
											0		0					0
											0		0					0
											0		0				42886	42886
											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
											0		0					0
											0		0					0
											0		0					0
											0		0					0
Subtotal											1200		0		0		42886	44086
Sucontractor Bond																0	0	0
Sales Tax (If YES, Tax General Conditions ONLY)																7%	0	0
Project Insurance																0	0	0
Builders Risk																0	0	0
Job Bond																1%	441	441
Architectural																0%	0	0
Sub Total											1200		0		0		43327	44527
OverHead & Profit																L&M Columns 15%	180	180
OverHead & Profit																Subcontractor Column 5%	2144	2144
Total Job											1200		0		0		45651	\$46,851.30

Sign and Approve

 Print Download**Finance Your Home Project**

PAYMENTS STARTING FROM

**\$425/month****Get Started***Checking rates won't affect credit score***ESTIMATE****P&E Building LLC****RE CROSBY CONSTRUCTION****2605 Trueman St****Phone: (317) 775-1839 (tel: (317) 775-1839)****Email: pnerichsen@gmail.com (mailto:pnerichsen@gmail.com)**

Estimate #

623

Date

03/21/2025

Description	Total
CO for Coating exterior of Headworks and SBR. At the Bristol IN WWTP.	\$42,886.00
Coat Exterior of Headworks and SBR with Loxon XP for primer and Loxon XP for finish coat. As per WM 25.1 page 6 out of 16.	
Apply coating to a 110 to 130 sq ft per gallon ratio to achieve a 12.0 - 16.0 total DFT.	
Color to be chosen by client and specified to subcontractor (P&E) by contractor (RE CROSBY)	
<hr/>	
<b>Subtotal</b>	<b>\$42,886.00</b>
<b>Total</b>	<b>\$42,886.00</b>

By signing this document, the customer agrees to the services and conditions outlined in this document.

---

RE CROSBY CONSTRUCTION

4/10/2025		Description:					WCD #7 new Fence										Job: 24105	
Description	Qty.	B	H	L	TOT.	UM	Crew	MH	UM	UPL	Labor	UPM	Materials	UP JE	Job Exp.	UPS	Subcontracts	Totals
Project Manager							PM	2	HR	\$ 225	450							450
Site Supervision / As-Built								6	HR	\$ 125	750							750
Layout / As-Built											0							0
Tools / Equipment											0							0
Dumpster / Cleanup											0							0
Mobilization											0							0
Temp. Utilities / Fuel											0							0
Winter Protection											0							0
Testing											0							0
Fence											0		0					0
											0		0					0
											0		0					0
											0		0				61600	61600
											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
											0		0					0
											0		0					0
											0		0					0
											0		0					0
Subtotal											1200		0		0		61600	62800
Sucontractor Bond																0	0	0
Sales Tax (If YES, Tax General Conditions ONLY)																7%	0	0
Project Insurance																0	0	0
Builders Risk																0	0	0
Job Bond																1%	628	628
Architectural																0%	0	0
Sub Total											1200		0		0		62228	63428
OverHead & Profit																L&M Columns 15%	180	180
OverHead & Profit																Subcontractor Column 5%	3080	3080
Total Job											1200		0		0		65488	\$66,688.00



3326 Engle Road  
Fort Wayne, IN 46809  
(260)478-7667 Fax (260)747-7818

## Proposal-Acceptance

www.randcfence.com

Submitted To: <b>RE Crosby Construction</b>		Date: <b>3/17/2025</b>	Date of Plans:
Address: <b>2805 Freeman Street</b>		Job Name: <b>Bristol WWTP ADD ON</b>	
City, State & Zip Code: <b>Fort Wayne, Indiana 46802</b>		Job Location: <b>1300 W Vistula Street, Bristol, Indiana 46507</b>	
Email: <b>recrosby@recrosby.com</b>	Cell Number: <b>260-432-5114</b>	Project Director: <b>Jason Clear</b>	

Provide material, labor, and equipment to complete the following:

- 1.) R&C to remove and haul away the existing old wood fence
- 2.) R&C to have boundary markers pined by survey company prior to installation of the new fence
- 3.) R&C to install 500'+- of 8' Tan Vinyl Privacy Fence

Total: \$61,600.00

### NOTES:

- \* 2 1/2" Steel SS40 post set in concrete for extra wind support
  - 5"x5" vinyl post to sleeve over steel post
- \* Does NOT include Mow Strip
- \* Davis-Bacon Wages
- \* Project is Tax Exempt

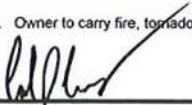
\* DUE TO STEEL MARKET VOLATILITY, PRICES ARE SUBJECT TO ADJUSTMENT AFTER 5 DAYS

\* PRICE ABOVE CAN BE SECURED UPON RECEIPT OF SIGNED QUOTE, PURCHASE ORDER, LETTER OF INTENT AND/OR AN EXECUTED CONTRACT

**We propose to furnish material & labor in accordance with above specifications**

All material is guaranteed to be as specified. All work shall be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above-specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the amount set forth above. We shall not be responsible for delays caused by strikes, accidents, or other contingencies beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance.

R&C Fence Signature:

  
Cole D. Gerardot  
cole@randcfence.com

Title: Sales

### Acceptance of Proposal

The above prices, specifications, terms and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified above. Buyer promises to pay in full any balance due within 30 days of completion, unless otherwise noted and agreed. Buyer understands and agrees that interest will accumulate on all unpaid balances that exceed 30 days at a rate of 1 1/2% per month. By execution of this contract, buyer grants to R&C Fence, Inc. all rights necessary to collect the balance due. Should R&C Fence, Inc. elect to enforce its collection rights in a collection proceeding, buyer agrees to pay all court costs, attorney fees, and other expenses incurred by R&C Fence, Inc. in the collection proceeding.

Buyer Signature: \_\_\_\_\_

Date of Acceptance: \_\_\_\_\_

E-MAILED MAR 17 2025

**WCD-5 and Associated Contractor Proposal**  
Upsize Bulk Chemical Tank



*Environmental Engineers & Consultants*  
7256 Company Drive  
Indianapolis, IN 46237  
PH: (317) 888-1177 FAX: (317) 887-8641

## WORK CHANGE DIRECTIVE #5

---

**TO:** Russell Jacobs, Crosby Construction  
**FROM:** Amy Mendoza, P.E., Commonwealth Engineers, Inc.  
**CC:** Darren Wells, P.E., Commonwealth Engineers, Inc.  
**DATE:** February 7, 2025, Updated April 25, 2025  
**SUBJECT:** Town of Bristol, Indiana Wastewater Treatment Plant Improvements, Work Change Directive No. 5

---

**Issue:**

The Town of Bristol wishes to increase the size of the bulk ferric tank to 4,600 gallons.

**Work Directive:**

Contractor shall first look into status of bulk tank and notify Engineer if too late to change the order. If too late, Engineer will discuss with Town to find out how they wish to proceed. If not too late, Contractor shall provide proposal to change tank selection to the Snyder 4,600-gallon tank including increasing size of concrete pad under tank and adjusting the knockout wall following the attached revised architectural plan sheets.

The Contractor shall review this Work Change Directive No. 5 and notify the Engineer if any additional clarifications are necessary regarding this issue prior to submitting their proposal for this portion of the work.







4/25/2025

Ms. Amy Mendoza  
Commonwealth Engineers, Inc.  
7256 Company Drive  
Indianapolis, IN 46237

Re: Town of Bristol Wastewater Treatment Plant  
Improvement Chemical Tank Revision

Dear Ms. Mendoza:

We are pleased to submit pricing to provide a 4600-gallon Snyder chemical tank per your response to RFI #28.

➤ Add: \$7,140.00. Seven thousand one hundred forty dollars and no/100

Please let us know if you have any further questions or need additional information.

Sincerely,

CROSBY CONSTRUCTION, INC.

A handwritten signature in black ink that reads "Russell Jacobs". The signature is written in a cursive style with a large, stylized "R" and "J".

Russell Jacobs  
Vice President

[illegible]

**WCD-6 and Associated Contractor Proposal**  
New Influent Autosampler and Portable Autosampler



*Environmental Engineers & Consultants*  
7256 Company Drive  
Indianapolis, IN 46237  
PH: (317) 888-1177 FAX: (317) 887-8641

## WORK CHANGE DIRECTIVE #6

---

**TO:** Russell Jacobs, Crosby Construction

**FROM:** Amy Mendoza, P.E., Commonwealth Engineers, Inc.

**CC:** Darren Wells, P.E., Commonwealth Engineers, Inc.

**DATE:** February 13, 2025

**SUBJECT:** Town of Bristol, Indiana Wastewater Treatment Plant Improvements, Work Change Directive No. 6

---

**Issue:**

The Town of Bristol wishes to acquire a portable autosampler through the current project and add a second autosampler at the influent to the WWTP.

**Work Directive:**

An ISCO Model 6712 portable autosampler with manhole brackets and both discrete and composite sample bottles. A quote for this model and desired attachments is attached for reference.

A second refrigerated autosampler matching the effluent autosampler (ISCO Model 5800 Refrigerated Sampler with pump heater & battery backed power) shall be procured and installed at the top slab of the influent pump station wet well. Contractor shall install 3/8" sampler tubing with a weighted stainless steel strainer inside a 4" perforated PVC stilling pipe that extends down to 1 ft. above the wet well bottom in the corner of the lift station away from direct flow path interference. Pipe to be insulated, heat traced, and jacketed.

The Contractor shall review this Work Change Directive No. 6 and notify the Engineer if any additional clarifications are necessary regarding this issue prior to submitting their proposal for this portion of the work.

**Attachments:**

- Portable Autosampler ISCO Model 6712 Quote
- Sheet D1-1 with markup

# 6712

## Full-size Portable Sampler

The 6700 Series Portable Samplers have set the industry standard, providing the most comprehensive and durable performance available. With the introduction of our 6712, Teledyne ISCO takes another step toward the ultimate by including SDI-12 interface capabilities.

### *Wide range of bottle configurations, plug-in flow and parameter monitoring*

This full-size portable lets you take full advantage of the advanced 6712 Controller, with its powerful pump, versatile programming, and optional plug-in modules for integrated flow measurement. Setup is fast and simple, with online help just a key stroke away.

The environmentally-sealed 6712 controller delivers maximum accuracy and easily handles all of your sampling applications.

In the Standard Programming Mode, the controller walks you through the sampling sequence step-by-step, allowing you to choose all parameters specific to your application. Selecting the Extended Programming Mode lets you enter more complex programs.

Optional land-line and GSM and CDMA cellular telephone modems allow programming changes and data collection to be performed remotely, from a touch-tone phone. They also provide dial-out alarm.

With eleven bottle choices, the 6712 Sampler lets you quickly adapt for simple or intricate sampling routines. Up to 30 pounds (13.5 kg) of ice fits in the insulated base, preserving samples for extended periods, even in extreme conditions. The 6712 with the "Jumbo Base" option holds bottles up to 5.5 gallon (21 liter).

The 6712 Portable Sampler features a vacuum formed ABS plastic shell to withstand exposure and abuse. Its tapered design and trim 20-inch (50.8 cm) diameter result in easy manhole installation and removal. Large, comfortable handles make transporting safe and convenient—even when wearing gloves.

Teledyne ISCO's 6712 Portable Sampler carries a NEMA 4X, 6 (IP67) enclosure rating. Superior capability, rugged construction, and unmatched reliability make the 6712 the ideal choice for portable sampling in just about any application.



*Bottle options are available for practically any sequential or composite application.*



### Applications:

- Wastewater effluent
- Stormwater monitoring
- CSO monitoring
- Permit compliance
- Pretreatment compliance

### Standard Features:

- SDI-12 interface provides "plug and play" connection with multi-parameter water-quality sondes and other compatible devices
- Choice of 11 different glass and plastic bottle configurations ranging from 24 x 1 liter to 1 x 5.5 gallon
- NEMA 4X, 6 (IP67) controller enclosure
- Rugged ABS plastic shell
- Foam-insulated base holds up to 30 pounds (13.5 kg) of ice to preserve samples even in extreme conditions
- Sample delivery at the EPA-recommended velocity of 2 ft/sec., even at head heights of 26 feet
- Pump revolution counter and patented liquid detection sensor ensure accurate sample volumes—and tells you when tubing should be replaced

## 6712 Full-size Portable Sampler

<b>Size (H x Dia):</b>	27 x 20 in (68.6 x 50.7 cm)
<b>Weight:</b>	Dry, less battery—32 lbs (15 kg)
<b>Bottle Configurations:</b>	24 – 1 Liter PP or 350 ml Glass 24 – 1 Liter ProPak Disposable Sample Bags 12 – 1 Liter PE or 950 ml Glass 8 – 2 Liter PE or 1.8 Liter Glass 4 – 3.8 Liter PE or Glass 1 – 9.5 Liter PE or Glass 1 – 5.5 gallon (21 Liter) PE or 5 gallon (19 Liter Glass, (with optional Jumbo Base)
<b>Power Requirements:</b>	12 VDC (Supplied by battery or AC power converter.)

## Pump

<b>Suction Tubing:</b>	
-Length:	3 to 99 ft (1 to 30 m)
-Material:	Vinyl or Teflon
-Inside Dimension:	3/8 in (1.0 cm)
<b>Pump Tubing Life:</b>	Typically 1,000,000 pump counts
<b>Maximum Lift:</b>	28 ft (8.5 m)
<b>Typical Repeatability:</b>	± 5 ml or ± 5 of the average volume in a set
<b>Typical Line velocity at Head height of:</b>	
	@ 3 ft (0.9 m) head height: 3.0 ft/s (0.91 m/s) @ 10 ft (3.1 m) head height: 2.9 ft/s (0.87 m/s) @ 15 ft (4.6 m) head height: 2.7 ft/s (0.83 m/s)

<b>Liquid Presence Detector:</b>	Non-wetted, nonconductive sensor detects when liquid sample reaches the pump to automatically compensate for changes in head heights.
----------------------------------	---

## Controller

<b>Dimensions (HxWxD):</b>	10.3 x 12.5 x 10.0 in (26.1 x 31.7 x 25.4 cm)
<b>Weight (dry):</b>	13 lbs (5.9 kg)
<b>Operating Temperature:</b>	32 to 120 °F (0 to 49 °C)
<b>Enclosure Rating:</b>	NEMA 4X, 6 (IP67)
<b>Program Memory:</b>	Non-volatile ROM
<b>Flow Meter Signal Input:</b>	5 to 15 volt DC pulse or 25 millisecond isolated contact closure
<b>Number of Composite Samples:</b>	Programmable from 1 to 999 samples
<b>Real Time Clock Accuracy:</b>	1 minute per month, typical

## Software

<b>Sample Frequency:</b>	1 minute to 99 hours 59 minutes, in 1 minute increments. Non-uniform times in minutes or clock times 1 to 9,999 flow pulses
<b>Sampling Modes:</b>	Uniform time, non-uniform time, flow, event. (Flow mode is controlled by external flow meter pulses.)
<b>Programmable Sample Volumes:</b>	10 to 9,999 ml, in 1 ml increments
<b>Sample Retries:</b>	If no sample is detected, up to 3 attempts; user selectable
<b>Rinse Cycles:</b>	Automatic rinsing of suction line up to 3 rinses for each sample collection
<b>Program Storage:</b>	5 sampling programs
<b>Sampling Stop/Resume:</b>	Up to 24 real time/date sample stop/resume commands
<b>Controller Diagnostics:</b>	Tests for RAM, ROM, pump, display, and distributor

## Ordering Information

### 6712 Portable Sampler, Full-size

Includes controller with 512kB RAM, top cover, center section, base, distributor arm, instruction manual, pocket guide ..... 68-6710-070

### 6712 Portable Sampler, with Jumbo Base

As described above ..... 68-6710-082

*Note: Power source, bottle configuration, suction line, and strainer must be ordered separately. Many options and accessories are available for 6712 Samplers; see separate literature for 700 Series Modules and other components to expand your monitoring capabilities. Contact Teledyne ISCO, or your local representative for pricing and additional information.*



*The 6712 Controller is also an SDI-12 data logger, and has many optional capabilities. Please contact your Teledyne ISCO distributor for more information.*

## Teledyne ISCO

P.O. Box 82531, Lincoln, Nebraska, 68501 USA  
Toll-free: (800) 228-4373 • Phone: (402) 464-0231 • Fax: (402) 465-3091

teledyneisco.com



*Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.*



L-1107 Rev 2.0  
9/18



QUOTATION		
DATE	NUMBER	PAGE
9/24/2024	0003270	1 of 1

## UN-APPROVED

B ALL200  
I ALL BIDDING CONTRACTORS  
L US  
L  
  
T  
O

S ALL BIDDING CONTRACTORS  
H US  
I  
P  
  
T  
O

Accepted By: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_

PO#: \_\_\_\_\_

Ship To: \_\_\_\_\_

ATTENTION:

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

TERMS: NET 30

CUSTOMER REF/PO#		JOB TITLE	SLP	SHIPPING TYPE	
BRISTOL SAMPLER		PORTABLE, ISCO SAMPLER	B&L/BJG	BEST WAY	
QTY	PART	DESCRIPTION		UNIT PRICE	EXTENDED
1	ISCO PORTABLE	SAMPLER MODEL 6712 W/ACC.		\$12,133.00	\$12,133.00

Model 6712 Full-Size Portable Sampler. Includes controller, top cover, center section, base, distributor arm and two pump tubes. Single bottle configuration. Includes one polyethylene 2.5 Gallon (10 Liter) round bottle with cap, tube guide and two discharge tubes. Vinyl suction line with standard weighted polypropylene strainer (3/8 Inch I.D. x 25 ft.). Includes tubing coupler. Model 946 Lead Acid Battery. Rechargeable, 12 VDC, 6.5 Amp Hours.

Model 963 lead-acid float battery charger. For charging ISCO 946 and 947 batteries one at a time. Equipped with an IEC 320 for connection to 120/240 VAC, 50/60 Hz power. North American units are shipped with a line cord. Varies output current as battery becomes charged, preventing overcharging. UL listed and CE marked.

Three-point Sampler Suspension Harness for full-size and compact non- refrigerated samplers.

ProHanger for 18 - 24 inch manhole. Stainless steel bracket for suspending equipment in manhole.

Additional Discrete - 24-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes.

Freight to jobsite included.

One Day of on-site start up and training is included. Additional days available at \$950.00 per day.

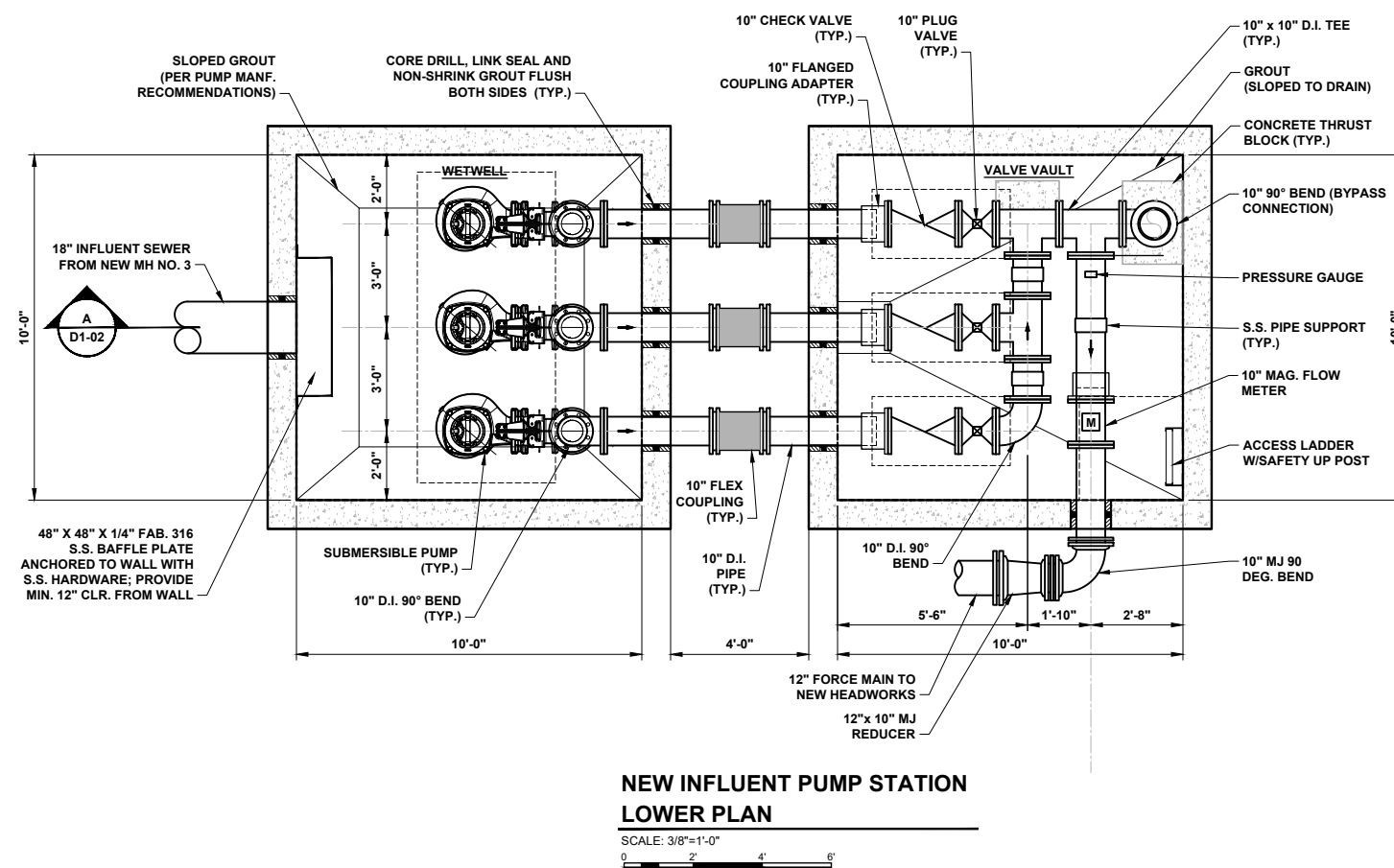
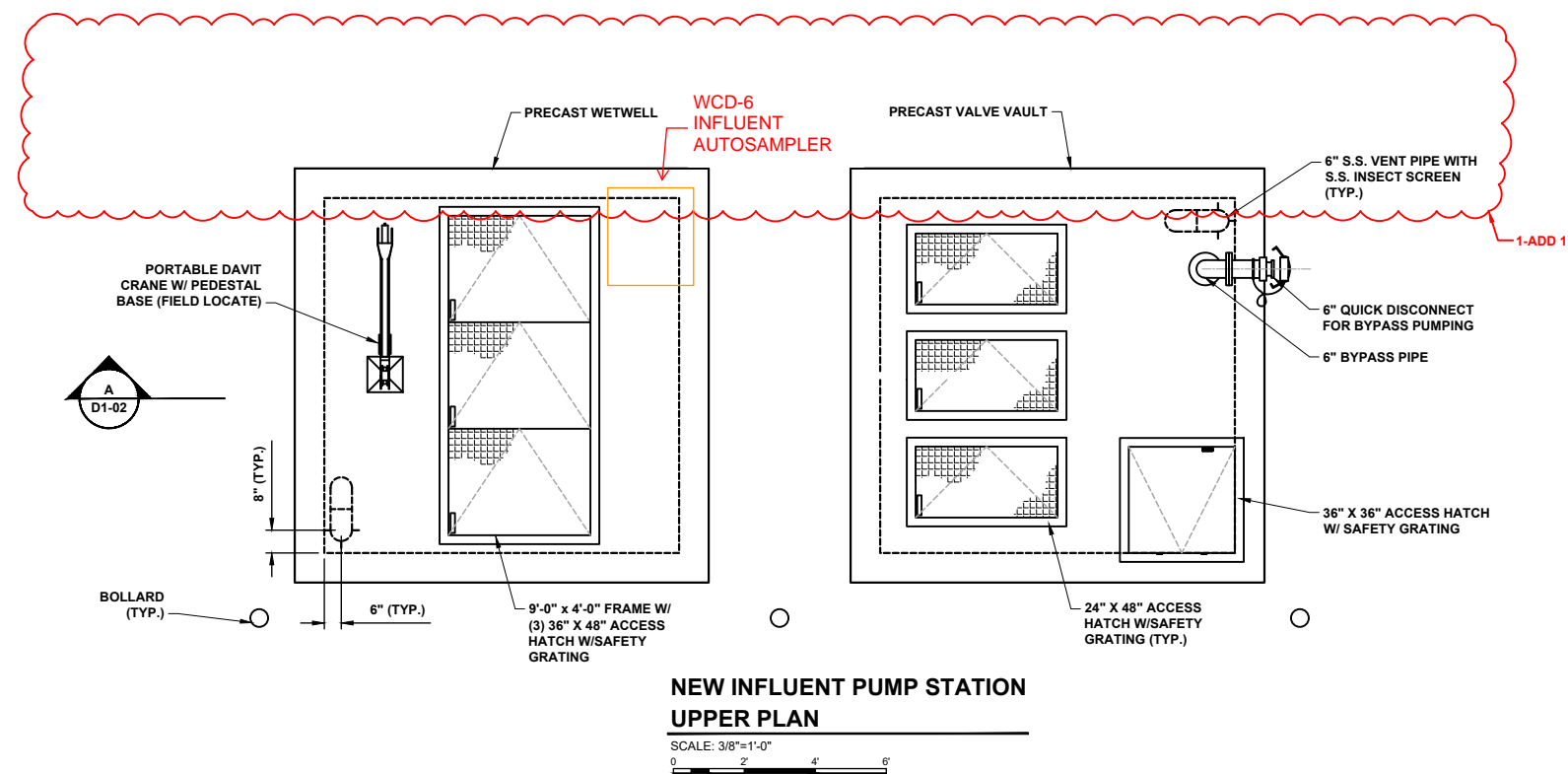
This quote is subject to and incorporates by reference BL Anderson Terms & Conditions and Customer Warranty available at [www.blanderson.com](http://www.blanderson.com) which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on BL Anderson Company's website.

**QUOTE VALID FOR 60 DAYS. CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL**

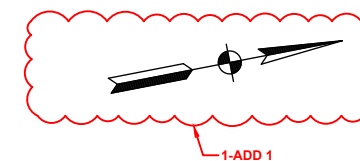
**SUBTOTAL: \$12,133.00**

4801 Tazer Drive Lafayette, IN 47905 - Phone: 765-463-1518 - Fax: 765-446-8390

**[www.blanderson.com](http://www.blanderson.com)**



NOT TO SCALE  
THIS PAGE HAS  
BEEN  
REDUCED



- SHEET NOTES (FOR "D1-XX" SHEETS):**

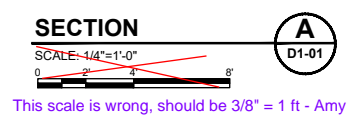
1. EMERGENCY BYPASS CONNECTION - ATTACH 6" X 11" O.D. REDUCING D.I. FLG. W/ THREADED CONNECTION TO OPEN END OF 6" F.L.G. D.I. 90° BEND. PROVIDE 6" THREADED COUPLING ADAPTOR AND 6" QUICK DISCONNECT "CAM-LOCK" COUPLING (FEMALE) W/ LOCKABLE PLUG. ALL HARDWARE FOR BYPASS CONNECTION SHALL BE STAINLESS STEEL. CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL POSITION OF CAM-LOCK COUPLING. BETWELL EMERGENCY BYPASS CONNECTION SHALL EXTEND DOWN TO PUMPS OFF ELEVATION. CONTRACTOR SHALL INSTALL 6" QUICK DISCONNECT "CAM-LOCK" COUPLING SO THAT OPERATION OF LOCK ARMS IS UNOBSTRUCTED.
2. BYPASS DISCHARGE PIPING IN VALVE VAULT SHALL HAVE 1" S.S. TAP, S.S. PIPE, AND S.S. BALL VALVE, LOCATED ABOVE PLUG VALVE, WITH SCH.80 PVC PIPING ROUTED UNOBSTRUCTIVELY TO VALVE VAULT DRAIN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PUMP/GUIDE RAIL LOCATION WITH RESPECT TO THE HATCH OPENING AND TO ENSURE THE HATCH IS OF ADEQUATE SIZE AND LOCATION TO ALLOW FOR THE EASY REMOVAL OF THE PUMP ASSEMBLY.
4. BASIS OF DESIGN IS FLYGT SUBMERSIBLE PUMP. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL NECESSARY CHANGES REQUIRED (I.E. PUMP HATCH SIZES, LOCATIONS, ETC.) FOR OTHER PUMP MANUFACTURERS ALLOWED PER SPECIFICATIONS.
5. FLOW METER SHALL BE INSTALLED TO PROVIDE MIN. 5X PIPE DIAMETER CLEARANCE UPSTREAM (FROM CENTER OF METER) AND MIN. 3X PIPE DIAMETER CLEARANCE DOWNSTREAM (FROM CENTER OF METER). PROVIDE A LOOSE 10" X LENGTH OF MAG METER D.I. SPOOL PIECE TO ALLOW FOR CHANGE OUT IN EVENT MAG METER IS REMOVED FOR SERVICE.
6. IT IS CONTRACTOR'S RESPONSIBILITY TO VERIFY VALVE PLACEMENT WITH RESPECT TO HATCH OPENING ABOVE TO ENSURE HATCH IS INSTALLED CORRECTLY FOR REMOVAL OF THE CHECK VALVE AND PLUG VALVE.
7. ALL VALVE VAULT HATCHES SHALL BE FURNISHED WITH 1-1/2" SCH. 80 PVC DRAIN LINE. RUN IN NON-OBSTRUCTIVE MANNER ALONG BOTTOM CEILING, WALLS, AND FLOOR TO VALVE DRAIN; SLOPE TO DRAIN.
8. REFER TO SPECIFICATIONS FOR PRECAST CONCRETE DESIGN REQUIREMENTS.

[illegible]

Designed By: DSW	Drawn By: JAJ	Checked By: AR
Issue Date: 12/21/2023	Project No: S22145	Scale: AS SHOWN

CONFORMED SET  
DATE: 06/2024





CONFORMED SET  
DATE: 06/2024



April 10, 2025

Ms. Amy Mendoza  
Commonwealth Engineers, Inc.  
7256 Company Drive  
Indianapolis, IN 46237

Re: Town of Bristol Wastewater Treatment Plant  
Improvement WCD # 6 Additional Autosamplers

Dear Ms. Mendoza:

We are pleased to submit pricing in accordance with WCD # 6 issued on February 18<sup>th</sup>, 2025, to provide 1ea ISCO model 6712 portable autosampler and 1ea ISCO model 5800 refrigerated autosampler complete with PVC heat traced stilling well.

- Add forty-five thousand three hundred seventy-six dollars and no/100s

Please let us know if you have any further questions or need additional information.

Sincerely,

CROSBY CONSTRUCTION, INC.

A handwritten signature in black ink that reads "Russell Jacobs". The signature is written in a cursive, flowing style.

Russell Jacobs  
Vice President

[illegible]



QUOTATION		
DATE	NUMBER	PAGE
4/10/2025	0004413	1 of 2

## UN-APPROVED

B CRO125  
I RE CROSBY  
L 2805 FREEMAN ST  
L FT. WAYNE, IN 468024426  
T US  
O

S RE CROSBY  
H 2805 FREEMAN ST  
I FT. WAYNE, IN 46802-4426  
P  
  
T  
O

Accepted By: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_

PO#: \_\_\_\_\_

Ship To: \_\_\_\_\_

ATTENTION:

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

TERMS: NET 30

CUSTOMER REF/PO#		JOB TITLE	SLP	SHIPPING TYPE	
BRISTOL SAMPLER		PORTABLE, ISCO SAMPLER	B&L/BJG	BEST WAY	
QTY	PART	DESCRIPTION		UNIT PRICE	EXTENDED

1	ISCO PORTABLE	SAMPLER MODEL 6712 W/ACC.	\$12,793.00	\$12,793.00
---	---------------	---------------------------	-------------	-------------

Model 6712 Full-Size Portable Sampler. Includes controller, top cover, center section, base, distributor arm and two pump tubes. Single bottle configuration. Includes one polyethylene 2.5 Gallon (10 Liter) round bottle with cap, tube guide and two discharge tubes. Vinyl suction line with standard weighted polypropylene strainer (3/8 Inch I.D. x 25 ft.). Includes tubing coupler. Model 946 Lead Acid Battery. Rechargeable, 12 VDC, 6.5 Amp Hours.

Model 963 lead-acid float battery charger. For charging ISCO 946 and 947 batteries one at a time. Equipped with an IEC 320 for connection to 120/240 VAC, 50/60 Hz power. North American units are shipped with a line cord. Varies output current as battery becomes charged, preventing overcharging. UL listed and CE marked.

Three-point Sampler Suspension Harness for full-size and compact non- refrigerated samplers.

ProHanger for 18 - 24 inch manhole. Stainless steel bracket for suspending equipment in manhole.

Additional Discrete - 24-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes.

Freight to jobsite included.

One Day of on-site start up and training is included. Additional days available at \$950.00 per day.

1	ISCO	INFLUENT SAMPLER	\$17,881.00	\$17,881.00
---	------	------------------	-------------	-------------

5800 Refrigerated Sampler (115 VAC, 60 Hz) with pump heater and battery backed power. Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide. To recieve a complete system you must also order a bottle configuration kit and suction line with strainer.

1-bottle Configuration. Includes one polyethylene 2.5-gallon (10-liter) round bottle, locating base, two caps and two discharge tubes.

2.5-gallon (10-liter) polyethylene round bottle with two caps - quantity 1



QUOTATION		
DATE	NUMBER	PAGE
4/10/2025	0004413	2 of 2

QTY	PART	DESCRIPTION	UNIT PRICE	EXTENDED
-----	------	-------------	------------	----------

3/8 inch stainless steel strainer, low flow.

5800 refrigerated sampler multipurpose cable with 16 unterminated leads, 10 ft. (3 m). Includes instruction sheet.

SPA 1713. 5800/4700 refrigerated sampler output #1, 2, 3, and 4 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.

3/8 inch vinyl suction line - 100 ft. Includes tubing coupler.

Freight to jobsite included.

Start up service - 1-day on-site is included.

This quote is subject to and incorporates by reference BL Anderson Terms & Conditions and Customer Warranty available at [www.blanderson.com](http://www.blanderson.com) which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on BL Anderson Company's website.

**QUOTE VALID FOR 60 DAYS. CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL**

**SUBTOTAL: \$30,674.00**

4801 Tazer Drive Lafayette, IN 47905 - Phone: 765-463-1518 - Fax: 765-446-8390

**[www.blanderson.com](http://www.blanderson.com)**



RE Crosby  
Fort Wayne, In  
4.4.2025

Job: Bristol Sampler

We are pleased to submit the following bid for the above-described job. Our number includes all needed labor and material for the following items. Per RFI-29 "Additional water sampler"

- New influent autosampler
  - Use spare breakers within PB-2 to power new autosampler
  - Provide and install heat trace per electrical drawing E5.0

Autosampler provided and installed by others

Labor: \$3,350.00  
Materials: \$3,856.00  
Total: \$7,206.00

Excludes the following

Excavation  
concrete work  
installation of sampler and piping