# GNHWPCA Greater New Haven Water Pollution Control Authority 260 East Street New Haven, CT 06511

203.466.5280 p 203.772.1564 f www.gnhwpca.com

# REGULAR MEETING OF THE GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY BOARD OF DIRECTORS WEDNESDAY, SEPTEMBER 13, 2023 6:00 P.M. 260 EAST STREET NEW HAVEN, CONNECTICUT

#### **AGENDA**

- 1. Approval of minutes of July 12, 2023 Regular Meeting.
- 2. Public participation relating to agenda items.
- Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate, execute and deliver (i) an agreement with Green Mountain Pipeline Services, LLC for professional services, for an aggregate amount not to exceed \$120,141, and (ii) an agreement with National Water Main Cleaning Company for on-call professional services, for an aggregate amount not to exceed \$71,831, both being related to Project No. SSR 2023-04, Emergency Procurement Morris Causeway Heavy Cleaning and Lining, for a combined aggregate amount not to exceed \$191,972.
- 4. Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate, execute and deliver an agreement for services related to Project No. SSR 2022-03, Whitney Museum Green Infrastructure Parking Lot, for an amount not to exceed \$200,000.
- 5. Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate, execute and deliver a task order with Corrosion Probe, Inc. for professional services relating to the investigation and assessment of concrete structure deterioration, supplemental cathodic protection testing, and existing pipe coatings at the East Shore Treatment Facility, Boulevard Pump Station and East Street Pump Station, for an aggregate amount not to exceed \$138,871.

- 6. Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate and execute an agreement with Campbell Foundry Company for the purchase of approximately 270 manhole covers and frames and approximately 300 manhole rings, for an aggregate amount not to exceed \$143,600.00
- 7. Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate, execute and deliver an agreement with CH Nickerson Co. Inc. for professional services related to Project No. CWF 2019-04, Process Air Control System for Low Level Nitrogen Removal, for an aggregate amount not to exceed \$18,002,235, subject to grant and loan funding approval by the State of Connecticut Department of Energy and Environmental Protection.
- 8. Consideration and approval of a resolution authorizing the Executive Director, Sidney J. Holbrook, to negotiate, execute and deliver a task order with Jacobs Engineering Group Inc. for on-call professional engineering services related to Project No. CWF 2019-04, Process Air Control System for Low Level Nitrogen Removal, for an aggregate amount not to exceed \$1,324,475, subject to grant and loan funding approval by the State of Connecticut Department of Energy and Environmental Protection.
- 9. Consideration and approval of a certain Departmental Budget Transfer Request.
- 10. Executive summary and department updates and presentations.
- 11. Consideration and approval, as necessary, of any other new business of the Authority.
- 12. Call to the public.
- 13. Adjournment.



# **MEMORANDUM**

DATE: September 6, 2023

TO: Sidney J. Holbrook

FROM: Thomas Sgroi, PE

Director of Engineering

RE: Contract Award Recommendation

Project No. SSR 2023-04

Emergency Procurement: Morris Causeway Heavy Cleaning and Lining

Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023 Board Agenda for resolution.

The Engineering Department requests that the Board approve the award of a contract to the lowest responsible bidder, Green Mountain Pipeline Services, LLC, Bethel, VT for the above reference Emergency procurement in addition to work performed by National Watermain in preparation for the rehabilitation. The purpose of this Project is to rehabilitate approximately 975 If of circa 1940 - 18" clay tile pipe along Morris Causeway, Concord St and Townsend Avenue. Through our Capacity Management Operations and Maintenance program (CMOM), this section of pipe was determined to be in immediate need of rehabilitation due to its condition.

This approval includes services for heavy cleaning along this corridor to remove heavy grease and help identify the condition of the pipe. Work was directed and completed by National Water Main under the on-call contract agreement on a time and materials basis for a total amount of \$71,831.00.

In addition to the heavy cleaning of this pipe, we recommend approval of the low responsible bidder **Green Mountain Pipeline Services**, **LLC** based on the unit price bids submitted on September 1, 2023 in the amount of \$ 109,219 with a 10% contingency of \$10,922 for a total amount not to exceed \$ 120,141.

The total amount for this project shall not exceed \$191,972. This project is budgeted from the Authority's Capital Dedicated Infrastructure Renewal Funds adopted May 2023.

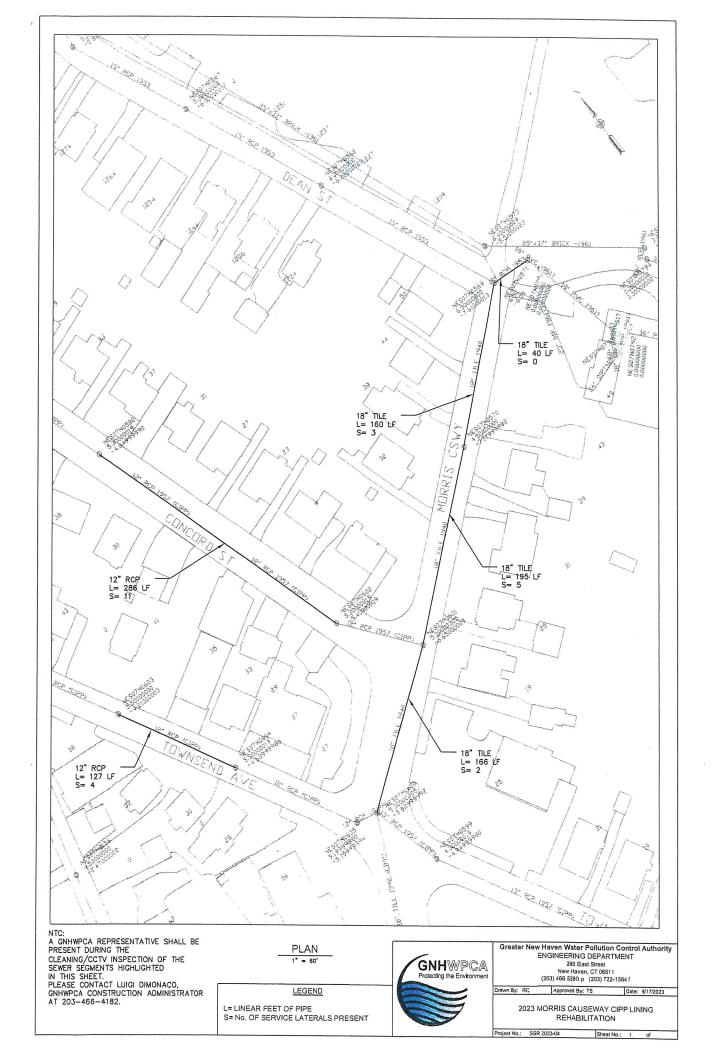
Thomas V. Sgroi, PE Director of Engineering

Director of Lighteering

Gabe Varca (e-copy) Gary Zrelak (e-copy)

cc:

Lou Criscuolo (e-copy)





# **MEMORANDUM**

DATE: September 6, 2023

TO: Sidney J. Holbrook

FROM: Thomas Sgroi, PE

Director of Engineering

RE: Contract Award Recommendation

Project No. SSR 2022-03 Whitney Museum Green Infrastructure Parking Lot

Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023 Board Agenda for resolution.

The Engineering Department requests that the Board approve the Executive Director to execute a contract with a contractor from the Authority's on-call list in an amount not to exceed \$200,000. The intent of the project is to complete a rehabilitation of a portion of the Whitney Museums parking lot utilizing Green Infrastructure to reduce stormwater runoff to the Mill River. Work is being done in cooperation with the Museum and the Town of Hamden consistent with the Authority's Strategic plan related to community clean water stewardship.

The Authority's Engineering Department has completed in-house design of this Green Infrastructure project in close coordination with the Whitney Museum and the Town of Hamden. The design package has been sent to all the Authority's six (6) on-call site and excavation contractors for pricing.

The total amount for this project shall not exceed \$200,000 as identified in the Approved FY22/23 Capital Budget adopted May 2022.

Fhomas V. Sgroi, PE

Director of Engineering

cc: Gabe Varca (e-copy)

Gary Zrelak (e-copy)

Lou Criscuolo (e-copy)



#### Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511 203.466.5280 p 203.772.1564 f www.gnhwpca.com

DATE:

September 5, 2023

TO:

Sidney J. Holbrook, Executive Director

FROM:

Gary Zrelak, Director of Operations

RE:

Task Order Recommendation

Corrosion Probe, Inc.

Concrete Structure, Force Main and Aboveground Piping Investigations

#### Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023 Board Meeting Agenda for resolution.

This request is to provide the Authority with professional services for an investigation and assessment of concrete structure deterioration, supplemental cathodic protection testing and existing pipe coatings for various locations at the East Shore Treatment Facility, Boulevard Pump Station, and East Street Pump Station.

I recommend approval of the attached Corrosion Probe, Inc. proposal dated August 9, 2023. The amount of these services shall not exceed One Hundred Thirty-Eight Thousand Eight Hundred Seventy-One Dollars (\$ 138,871.00).

This project is funded 100% from the Authority's FY 2023-2024 Capital Budget.

Gary Zrelak

Director of Operations

e-copy:

Gabe Varca, Director of Finance & Administration

Lou Criscuolo, Deputy Director of Finance and Administration

Tom Sgroi, Director of Engineering

Joseph Megale, Deputy Director of Operations



09 August 2023

Mr. Joseph Megale, PE
Greater New Haven Water Pollution Control Authority
260 East Street
New Haven, Connecticut 06511
Via email: CBiggs@gnhwpca.com

Subject:

East Shore Treatment Plant

Concrete Structure, Force Main, and Aboveground Piping Investigations

Proposal for Investigation and Assessment Services

Dear Mr. Megale:

In response to your request, Corrosion Probe, Inc. (CPI) is pleased to provide this proposal for services required for investigation and assessment of concrete structure deterioration, supplemental cathodic protection (CP) testing, and existing pipe coatings at the East Shore Treatment Plant and along the 48-inch diameter force main alignment. The scope of work has been developed to investigate the following work items specifically selected by the Authority.

#### **Work Items**

- 1. Administration Building Addition Synagro Hypochlorite Storage Area: An 800-gallon storage tank is located on the first floor and has a basement area beneath it. Streaks from the ceiling and down the walls in the basement indicate leaking from the area. Hammer sounding indicated that concrete delamination is present on the first floor around the tank. A spalled area in the northeast ceiling of the basement has exposed reinforcing steel. A delaminated area on the basement wall was also detected. It is presumed that the deterioration was caused by chloride corrosion due to penetration of hypochlorite into the concrete.
- 2. Administration Building TWAS Room Ceiling Below Dewatering Area: An apparent construction joint runs through the TWAS Room ceiling below the grated centrifuge dewatering area sump. The joint exhibits evidence of leakage, including efflorescence and depositions on the underside, It is not practical to dewater the sump to allow direct inspection of the top of the slab in the area of the joint. However, the joint also runs through a corridor beyond the limits of the sump, where it is accessible for inspection.
- 3. Administration Building Addition FOG Tank Leaks: In the basement below the hypochlorite storage area, two reinforced concrete tanks are used for the storage of fats, oils, and grease (FOG). Cracks in the tank walls have external depositions indicating leakage of the contents. Drainage and cleaning of the tanks is difficult, but possible.

- 4. Administration Building TWAS Tank Leaks: In the basement of the building, leakage is indicated by brown staining at apparent cracks in east wall of the TWAS tanks.
- 5. Secondary Hypochlorite Storage Area: This area is on an elevated concrete floor that had suffered severe chloride-induced corrosion damage and was rehabilitated in 2010. Additional cracking has been observed outside of the limits of the rehabilitation. Additionally, cracking and rust bleed has been observed on the east exterior concrete wall of the building adjacent to the secondary clarifiers. This wall is just above a launder in the tank.
- 6. Aeration Anoxic Zone Platform Cracking: Concrete platforms (formerly used for mechanical aerators) and connecting walkways are present in the anoxic zone of the aeration basins. The beams are exhibiting longitudinal and inclined cracking, mainly on their soffits, accompanied by concrete spalls and exposed, corroding reinforcement. Additionally, water leakage is occurring though expansion joints between adjacent tanks.
- 7. Force Main CP Supplemental Testing: In conjunction with the annual inspection of the force main, the Authority requires inspection and testing necessary for the replacement design of the rectifier and anode groundbed for the CP system at the East Street Pump Station as part of a station upgrade design. Also, the Authority requires performance of testing to ensure that bonding a short section of unprotected pipe at the Boulevard Pump Station into the CP system will not adversely affect electronic flow monitoring equipment in the station.
- 8. Piping External Coating: The Authority requires inspection of the condition of external coatings on aboveground, at-grade steel or ductile iron piping at the treatment plant, as well as the force main at the East Street Pump Station and the valve chambers. This will include laboratory testing of up to four samples of the existing coating for the presence of lead, chromium, and cadmium. Additionally, the Authority requires a technical specification section for recoating the aboveground piping for inclusion in a contract document package prepared by the Authority. Finally, the Authority requires review and response to contractor bid questions, construction submittals, and requests for information during construction of the recoating work, as well as performance of intermittent quality assurance inspection of surface preparation and coating application on the piping.

#### Scope of Work

To fulfill the Authority's requirements, CPI proposes to perform the following scope of work.

#### Preparation

Review record documentation for each work item as provided by the Authority. Coordinate inspection scheduling and conditions with the Authority. Prepare equipment required for the field work.

#### Site Work Access, Duration, and Staffing

Conduct site visits to the facility for performance of the inspection and testing necessary to determine the severity, extent, cause, and rehabilitation required for the work items and specific inspection and testing tasks anticipated. For each work item, we will utilize one of the three access conditions described below. The access conditions, anticipated number of eight-hour days, and number of staff required to perform the field work for each item are indicated in Table No. 1.

- Non-Confined Space Entry (CSE): Work will be performed in habitable building areas without confined space entry procedures.
- **Permit CSE**: Work will be performed in a permit-required confined space. Entry will be restricted to a single entrant. An attendant and assistant will remain outside of the space at all times. The entrant will remain continuously tethered to a retrieval device to allow a non-entry rescue.
- Non-permit CSE: Work will be performed in a confined space that does not contain hazards considered immediately dangerous to life or health. Multiple entrants, including the entry attendant, may enter and work in the space. Rescue, if necessary, will be provided by off-site municipal rescue personnel.

#### **Inspection and Testing Tasks**

The inspection and testing tasks for each work item are described below and indicated in Table No. 1.

- **Delamination survey:** Perform a survey of concrete within the limits of visible deterioration using percussive testing (hammer sounding, chain dragging, acoustic wheel, etc.) to determine extent of subsurface delamination
- Nondestructive (ND) Rebar Location: Perform testing using a pachometer (electronic rebar locator) to detect rebar location and measure depth of concrete cover at selected areas
- Exploratory Excavation: Remove concrete cover above reinforcement at selected areas by partial depth coring, as well as rotary hammer drilling and chipping.

After removal, examine presence and depth of delamination, as well as evidence of reinforcement corrosion.

- *Petrographic Cores*: Extract concrete cores for a petrographic examination in accordance with ASTM C856. This is a semi-qualitative laboratory examination using microscopy to evaluate the substructure of concrete and identify various deteriorative mechanisms.
- **Powder Samples:** Extract concrete powder samples using a rotary hammer for laboratory analysis of chloride ion content or sulfate content.

#### **Authority Assistance**

The Authority will provide or arrange for the following support items for the site work as described below and indicated in Table No. 1:

- Ladder: Provide secured, portable ladder(s) for entry into the tanks and access to overhead items.
- Scaffolding: Provide scaffolding beneath the floor that will allow access to the entire area of the floor underside to be investigated.
- *Drain tank*: Drain the tank to remove all liquid contents.
- *Floor Washdown:* Washdown the floor in areas of the tank to be accessed and drain all wash water. The purpose is to eliminate slipping hazards for the tank entrants by removal of depositions.
- General Washdown: Washdown tank surfaces (ceilings, walls, floor) to remove depositions and allow clear visual inspection, testing, and sampling of the concrete. If complete washdown is impractical, washdown of representative surfaces at various areas will be performed. Pressure or hot water washing may be required to achieve this.

				T	able	No.	1: 5	Site	Wo	rk D	etai	ls										
No.	Work Item	A	cces		ura ffing		&		Insp	ecti	on é	& Te	stin	g T	as ks				thor is ta			Notes
		Non Cor	INOII-COE	Domest Cat	reimit Coe	Non-permit	CSE	Delamination survey	ND Rebar Location	gr	Coating Evaluation	# Explore Excavations	# Petrographic Cores	# Powder	Samples	Samples		1g	k	shdown	General Washdown	
		# Days	# Staff	# Days	# Staff	# Days	# Staff	Delamina	ND Reb	CP Testing	Coating I	# Explore	# Petrogr	Chloride	Sulfate	# Coating	Ladders	Scaffolding	Drain tank	Floor Washdown	General V	
1	Synagro Hypo Area							X	X			4		12					Ť	<u> </u>	<u> </u>	
2	TWAS Room - Dewatering	2	2					X	X				1									1
3.1	FOG Tanks - Exterior	_	2					X	X													(1)
4.1	TWAS Tanks - Exterior							X	X													1
3.2	FOG Tank 1 - Interior			1	3								1	3	3		X		X		X	
3.3	FOG Tank 2 - Interior			1	3												X		X		X	
4.2	TWAS Tank 1 - Interior			1	3								1	3	3		X		X		X	
4.3	TWAS Tank 2 - Interior			1	3												X		X		X	<u> </u>
5.1	Secondary Hypo -Interior	1	2									2		8				X		_		
5.2	Secondary Hypo - Exterior					1	3	Х						4			X		X	X		(2)
6.1	Aeration Anoxic South					1	1										X		X	X		(3)
	Aeration Anoxic North					1	2	X				1		6	6		X		X	X		(3)
7	Force Main CP Supplemental	1	2							X												
8	Piping External Coating	1	2								Χ					4						(4)

#### Notes:

- (1) Item Nos. 1, 2, 3.1, and 4.1 are combined as a single item and will be performed in two-day visit.
- (2) Two ladders will be required to access launder, one interior and one exterior
- (3) Two ladders will be required, one for tank entry and one for platform underside access
- (4) Site work will be performed as part of a single 2-day site visit for the Force Main CP Annual Testing

#### **Assessment and Report**

Assess the nature and extent of deterioration based on the investigation and determine the current condition of the structures. Develop conceptual approaches for design of repair and protective measures. Determine the extent of additional investigation required for repair design, if any. Develop a planning level construction cost estimate for performance of the repairs. Provide the inspection and testing data, condition assessment, recommendations, and estimate in a report submitted in PDF format for each work item.

#### **Assumptions**

The cost of CPI's services is based on the following assumptions:

A. For the FOG and TWAS tanks, separate costs have been provided for the entry of each of two tanks for each tank type. When tanks are of similar construction and service, data from the entry of a single tank can often be considered as representative of similar tanks.

However, entry of all tanks is the best assurance of identifying and quantifying the repairs necessary and minimizing the potential of change orders during construction.

- B. Confined spaces will have, or be ventilated by the Authority to provide, a breathable atmosphere. Use of supplied-air systems for entry is not included.
- C. Areas of concrete removal will be patched with a rapid-setting cementitious or epoxy repair material.
- D. For the CP testing at the East Street Pump Station, analysis of the test results and design of a replacement CP system will be performed under subcontract to Arcadis, who is currently designing the station upgrade. Costs for this are not included herein.
- E. Structural analysis of deteriorated structures to evaluate their load capacity in their deteriorated condition is not included. Design of repairs and preparation of contract documents for their installation is not included (except where explicitly indicated). The costs for these tasks, as necessary, will be provided in a subsequent proposal.

#### **Cost of Services**

The cost build-up of CPI's services for the above scope of work is attached. Actual costs will be billed on a time-and-materials basis, per CPI's Standard T&M Billing Rate Schedule, without exceeding the upper limit indicated. Should a need arise for a change in work scope or cost, CPI will obtain approval prior to proceeding with any change.

In addition to the attached build-up, CPI will provide coating quality assurance inspection for the recoating of the pipes at a daily rate of \$2,700.00. This cost includes travel, site time, and submission of an inspection report.

We hope that this information fulfills your expectations adequately. Thank you for the opportunity to serve the Greater New Haven Water Pollution Control Authority on this project.

This information is respectfully submitted for your use and consideration by,

The Staff of Corrosion Probe. Inc.

Kevin R. Krawiec Principal Consultant

cc:

C. Biggs (GNHWPCA), L. Chauvin (CPI), B. Annino (CPI), T. Riley (CPI)

ACTIVITY	CONS Rate:	NCIPAL SULTANT \$210.00	CON	ENIOR SULTANT \$194.00		ENGINEER \$142.00	TASK	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation	8	\$1,680			4	\$568	12	\$2,24
Site work and travel	23	\$4,830			23	\$3,266	46	\$8,09
Report	36	\$7,560			16	\$2,272	52	\$9,83
Lab Testing	2	\$420			2	\$284	4	\$70
TOTAL LABOR	69	\$14,490		L	45	\$6,390	114	\$20,88
DECOMPTION.								
DESCRIPTION	QUAN	UNI		COS		TOTAL		
Hotel	2	night		\$150.		\$300		
Rental car	3	days		\$75.0	00	\$225		
Expenses	4	days		\$65,0	00	\$260		
Chloride Tests	12	tests		\$210.	00	\$2,520		
Petrographic exams		exam		\$1,500	.00	\$1,500		
Field equipment consumables	1	days		\$100.	00	\$100		
TOTAL ODCS						\$4,905		

ACTIVITY		NCIPAL \$210.00	CON	NCIPAL SULTANT \$194.00	CONS	NIOR ULTANT \$142.00	TASK	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation	4	\$840.00			4	\$568	8	\$1,40
Site work and travel	15	\$3,150.00			25	\$3,550	40	\$6,70
Report	12	\$2,520.00			12	\$1,704	24	\$4,22
TOTAL LABOR	31	\$6,510			41	\$5,822	72	\$12,33
DESCRIPTION	OUAN	UNIT		COS	r I	TOTAL		
Hotel	2	nights		\$150.0		\$300		
Rental car	2	days		\$75.0		\$150		
Expenses	2	days		\$65.0		\$130		
Petrographic exam	1	exam		\$1,500	.00	\$1,500		
Chloride tests	3	tests		\$210.0		\$630		
Sulfate tests	3	tests		\$310.0	00	\$930		
Field equipment consumables	1	days		\$50.0	0	\$50		
TOTAL ODCS						\$3,690		

ACTIVITY		NCIPAL \$210.00	CON	NCIPAL SULTANT \$194.00	CONS	NIOR SULTANT \$142.00	TASK	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation	4	\$840			4	\$568	8	\$1,408
Site workand travel	15	\$3,150			25	\$3,550	40	\$6,700
Report	4	\$840			4	\$568	8	\$1,40
TOTAL LABOR	23	\$4,830			33	\$4,686	56	\$9,510
DESCRIPTION	QUAN	UNIT	[	COS	T	TOTAL		
Hotel	2	nights	5	\$150.	00	\$300		
Rental car	2	days		\$75.0	0	\$150		
Expenses	2	days		\$65.0	0	\$130		
Field equipment consumables	1	days		\$50.0	0	\$50		
TOTAL ODCS						\$630		

ACTIVITY		NCIPAL \$210.00	CONS	NCIPAL SULTANT \$194.00	CONS	ENIOR SULTANT \$142.00	TASK	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation		\$1,680			4	\$568	12	\$2,24
Site work and travel	30	\$6,300			40	\$5,680	70	\$11,98
	24	0.00			10	#2 272	40	00.01
		\$5,040			16	\$2,272	40	\$7,31
	62	\$13,020			60	\$8,520		
TOTAL LABOR			ŗ.	COS	60			
TOTAL LABOR  DESCRIPTION	62	\$13,020		COS \$150.	60 T	\$8,520		
TOTAL LABOR  DESCRIPTION  Hotel	62 QUAN	\$13,020 UNI	S		T 00	\$8,520 TOTAL		
TOTAL LABOR  DESCRIPTION  Hotel  Rental car	QUAN 2	\$13,020 UNIT	S	\$150.	T 00	\$8,520 TOTAL \$300		
Report TOTAL LABOR  DESCRIPTION Hotel Rental car Expenses Chloride tests	QUAN 2 4	UNIT night days	S	\$150. \$75.0	T 000 00 00 00	\$8,520 TOTAL \$300 \$300		\$7,31 \$21,54
TOTAL LABOR  DESCRIPTION  Hotel  Rental car  Expenses	QUAN 2 4 2	UNIT night days days	S	\$150. \$75.0 \$65.0	T 000 00 00 00 00	\$8,520 TOTAL \$300 \$300 \$130		

ACTIVITY		NCIPAL \$210.00	CONS	NCIPAL SULTANT \$194.00	CONS	ENIOR SULTANT \$142.00	TASE	CTOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation	6	\$1,260					6	\$1,26
Site work and travel	15	\$3,150	10	\$1,940	6	\$852	31	\$5,94
Report	24	\$5,040			8	\$1,136	32	\$6,17
TOTAL LABOR	45	\$9,450	\$10	\$1,940	14	\$1,988	69	\$13,37
DESCRIPTION	QUAN	UNIT	1	COS	Г	TOTAL		
Rental car	2	days		\$75.0	0	\$150		
Expenses	2	days		\$65.0	0	\$130		
Field	1	days		\$50.0	0	\$50		
Field equipment consumables	6	tests		\$210.0	00	\$1,260		
Chloride tests				***		41.000		
	6	tests		\$300	,	\$1,800		

ACTIVITY		NCIPAL \$210.00	CONS	NCIPAL SULTANT \$194.00	CONS	ENIOR SULTANT \$142,00	TASI	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Preparation and site work	16	\$3,360	16	\$3,104			32	\$6,464
Report	2	\$420	4	\$776			6	\$1,190
TOTAL LABOR	18	\$3,780	20	\$3,880			38	\$7,660
			<del></del>				1	
DESCRIPTION	QUAN	UNIT	r	COS	Γ	TOTAL	1	
Hotel	2	night	S	\$150.0	00	\$300	1	
Rental car	2	days	,	\$75.0	0	\$150	1	
Expenses	2	days		\$65.0	0	\$130		
TOTAL ODCS						\$580	1	

ACTIVITY		NCIPAL \$210.00	CONS	NCIPAL SULTANT \$194.00	CONS	ENIOR SULTANT \$142.00	TASE	TOTAL
	HRS	COST	HRS	COST	HRS	COST	HRS	COST
Site work and travel	8	\$1,680	8	\$1,552			16	\$3,23
Specification, bidding, and construction services	32	\$6,720					32	\$6,720
TOTAL LABOR	40	\$8,400	8	\$1,552			48	\$9,95
	QUAN	UNIT		COS		TOTAL		
Hotel	2	nights	3	\$150.0	00	\$300		
Hotel Rental car	2 2	nights days	3	\$150.0 \$75.0	0	\$300 \$150		
Hotel Rental car Expenses	2 2 2	nights days days	3	\$150.0 \$75.0 \$65.0	0 0 0	\$300 \$150 \$130		
DESCRIPTION Hotel Rental car Expenses Paint testing TOTAL ODCS	2 2	nights days	3	\$150.0 \$75.0	0 0 0	\$300 \$150		

SUMMARY	
ITEMS 1 - SYNAGRO HYPO AREA, 2 - TWAS ROOM, 3.1 - FOG TANK EXTERIOR, 4.1 - TWAS TANK EXTERIOR	\$25,785
ITEMS 3.2 FOG TANK 1 INTERIOR, 4.2 TWAS TANK 1 INTERIOR	\$32,044
ITEM 3.3 FOG TANK 2 INTERIOR, 4.3 TWAS TANK 2 INTERIOR	\$20,292
ITEM 5 - SECONDARY HYPO INTERIOR AND EXTERIOR	\$24,890
ITEM 6 - AERATION ANOXIC TANKS	\$16,768
ITEM 7 - FORCE MAIN CP SUPPLEMENTAL	\$8,240
ITEM 8 - PIPING EXTERNAL COATING	\$10,852
TOTAL COST	\$138,871



#### Greater New Haven Water Pollution Control Authority 260 East Street New Haven, CT 06511

203.466.5280 p 203 772.1564 f www.gnhwpca.com

DATE:

September 7, 2023

TO:

Sidney J. Holbrook, Executive Director

FROM:

Gary Zrelak, Director of Operations

RE:

Material Purchase Recommendation

Sanitary Sewer Manhole Frame & Cover Materials

Cambell Foundry Company

#### Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023, Board Meeting Agenda for resolution.

The Operations Department requests to extend the purchasing of sanitary sewer manhole frame and cover materials with Campbell Foundry until June 30, 2024. The contractor has agreed to maintain unit prices through this time. The Authority budgets for 270 manhole covers and frames and 300 manhole rings to be replaced annually within the collection system. The amount of these purchases shall not exceed One Hundred Forty-Three Thousand Six Hundred Dollars (\$143,600.00).

This project is funded 100% from the Authority's FY 2023-2024 Operating Budget.

Director of Operations

Gabe Varca, Director of Finance & Administration

Lou Criscuolo, Deputy Director of Finance and Administration

Tom Sgroi, Director of Engineering

Joseph Megale, Deputy Director of Operations

From: To:

Rick Hurlburt Gary Zrelak

Cc:

Noelle Vanwolvelaerd

Subject:

FW: 2023/2024 prices

Date: Attachments: Tuesday, July 25, 2023 12:06:54 PM image003.png

image001.png

image002.png

Good Afternoon,

Please reference the email below from Ken at Campbell Foundry.

Thanks,

#### Richard Hurlburt

Collections Superintendent 345 East Shore Parkway New Haven, Ct. 06512 (203) 466-5263 rhurlburt@gnhwpca.com





From: Ken Farrelly < Ken@CampbellFoundry.com>

Sent: Tuesday, July 25, 2023 12:02 PM

To: Rick Hurlburt <RHurlburt@gnhwpca.com>

Subject: 2023/2024 prices

Hi Rick,

I want to confirm the Campbell Foundry Co. will continue to honor the price from our last bid agreement.

Pattern # 10495222, Greater New Haven Manhole cover "GNHWPCA"

\$172.00 each

Pattern # 10494612, Greater New Haven MH frame 8" deep

\$182.00 each

Please call if you have any questions.

Thank you

#### Ken

Ken Farrelly
Connecticut Inside Sales
Campbell Foundry Company
14 Massimo Drive
P.O. Box 515
North Haven CT 06473
Ken@campbellfoundry.com

Office: 203-288-7584





# Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511 203.466.5280 p 203.772.1564 f www.gnhwpca.com

# **MEMORANDUM**

DATE:

September 6, 2023

TO:

Sidney J. Holbrook

FROM:

Thomas Sgroi, PE

Director of Engineering

RE:

Contract Award Recommendation

CH Nickerson Co. Inc.

CWF 2019-04 Process Air Control System for Low Level Nitrogen Removal

Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023 Board Agenda for resolution.

The project involves the upgrades to the 1994 Process Air Control System utilized for secondary treatment at the East Shore Treatment Plant. The 2013 Wet Weather Capacity Upgrade replaced components below the water level within the aeration basins but did not address the blowers and pipe system. CH Nickerson was the sole bidder on the project. Subject to DEEP's approval of grant funding, we recommend approval to award the contract to CH Nickerson Co. Inc. of Torrington CT for the amount of \$ 16,365,668 plus a contingency of \$ 1,636,567 for a total not to exceed \$ 18,002,235.

The project is DEEP Clean Water Fund (CWF) Eligible as follows:

- DEEP CWF Grant 30% Nutrient Removal
- Balance 2% Loan

Thomas V. Sgroi, PE

Director of Engineering

ecopy: Gabe Varca, Gary Zrelak, Joe Megale

Lou Criscuolo, Mario Ricozzi



# Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511 203.466.5280 p 203 772.1564 f www.gnhwpca.com

# **MEMORANDUM**

DATE:

September 6, 2023

TO:

Sidney J. Holbrook

FROM:

Thomas Sgroi, PE

Director of Engineering

RE:

Task Order Recommendation

Jacobs - Engineering Services During Construction

CWF 2019-04 Process Air Control System for Low Level Nitrogen Removal

Sid:

I request that the above-mentioned recommendation be added to the September 13, 2023 Board Agenda for resolution.

The project involves the upgrades to the 1994 Process Air Control System utilized for secondary treatment at the East Shore Treatment Plant. The 2013 Wet Weather Capacity Upgrade replaced components below the water level within the aeration basins but did not address the blowers and pipe system. The purpose of this Task Order with Jacobs is to provide engineering during construction to include Construction Administration, Resident Inspection, Commissioning Services and Closeout.

Subject to DEEP's approval of grant funding, I recommend approval of the attached Jacobs Scope of Services in the amount of \$ 1,204,068 plus a contingency of \$ 120,407 for a total not to exceed \$ 1,324,475.

The project is DEEP Clean Water Fund (CWF) Eligible as follows:

- DEEP CWF Grant 30% Nutrient Removal
- Balance 2% Loan

Thomas V. Sgroi, PE

Director of Engineering

ecopy: Gabe Varca, Gary Zrelak

Lou Criscuolo, Mario Ricozzi, Bruce Kirkland

#### GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY

# On-Call Engineering Services Jacobs Engineering Group Inc.

Scope of Services
Engineering Services During Construction
for the
Process Air Compressor System for Low-Level Nitrogen Removal
Project No. CWF 2019-04
May 25, 2023

#### Purpose

The following is a Scope of Services to the AGREEMENT between the Greater New Haven Water Pollution Control Authority (AUTHORITY) and Jacobs Engineering Inc. (ENGINEER) for professional engineering services regarding on-call engineering services for wastewater treatment and other engineering services dated October 15, 2020.

The purpose of this Task Order is to provide the AUTHORITY with engineering services during construction associated with construction of the Process Air Compressor System for Low Level Nitrogen Removal (PACS) design. Engineering services during construction will consist of Construction Administration Services, Resident Inspection, Commissioning Services, and Closeout Services.

#### **Completion Date:**

The PACS construction is estimated to take 22 months from the CONTRACTOR Notice to Proceed to Final Completion.

#### Roles and Responsibilities:

- AUTHORITY:
  - Project Directors Tom Sgroi and Gary Zrelak
  - o Project Managers and Points of Contact Mario Ricozzi and Joseph Megale
- ENGINEER:
  - Project Manager Karina Massey
  - o Senior Consultant Dan Lynch
  - o Senior Resident Inspector Chris Dobens
  - o Client Service Manager Larry Murphy

# Scope of Work

The scope of this Task Order consists of the following tasks:

- Task 1 Construction Administration Services
- Task 2 Resident Inspection Services
- Task 3 Commissioning Services
- Task 4 Contract Close Out Services
- Task 5 Subconsultants
- Task 6 Expenses

## **Task 1: Construction Administration Services**

#### Task 1.1 – Project Management

ENGINEER will provide Project Management Services to include monthly reports, invoicing, team and subcontractor coordination and supervision, contract communications, scheduling, maintaining project documentation, and project oversight. The Project Manager will be the primary point of contact for overall Services During Construction services.

#### Task 1.2 – Pre-Construction Meeting

A meeting will be held between the AUTHORITY, ENGINEER, and CONTRACTOR prior to the start of construction to coordinate the start of construction, review any issues that may have arisen, and discuss the expectations of the parties involved. The ENGINEER shall coordinate the preparation of meeting documents, such as the agenda, distribute information prior to the meeting, and record meeting minutes.

# Task 1.3 - Progress Meetings

The Project Manager and Resident Inspector shall attend construction progress meetings held once per month for the duration of the construction activities (assumed to be 22 months). Progress and schedule meetings are held concurrently.

In addition to attendance at the progress meetings, the ENGINEER shall facilitate the meetings, prepare a package for each meeting containing agenda, submittals log, RFI logs, and COP/Change Order logs (Excel) to be reviewed at each meeting, and a 3-week look ahead schedule (to be provided by CONTRACTOR), and other documentation that may be required for

meetings that are not specified. Meeting minutes will be prepared and distributed by ENGINEER.

#### Task 1.4 – Coordination Meetings

The ENGINEER personnel shall attend up to 3 coordination meetings with regulatory agencies, the public, or other stakeholders during the course of construction. These meetings will coincide with other site observation and/or regular progress meetings.

#### Task 1.5 - Issue Resolution Meetings

The ENGINEER personnel shall attend up to 3 formal issue resolution meetings with the CONTRACTOR and AUTHORITY. These meetings are intended to address construction related issues that arise that require a formal meeting with all parties to reach an agreeable solution. ENGINEER shall prepare an agenda and minutes of the meetings. These meetings will coincide with other site observation and/or regular progress meetings.

#### Task 1.6 – Field Visits (other than RI Observations)

ENGINEER design engineers shall conduct 8 site visits during construction to address ongoing issues and/or monitor progress not associated with other scheduled meetings or milestone visits. Visits are assumed to be 8 hours for one day. Total anticipated labor hours is 64 hrs.

ENGINEER will conduct a factory visit with AUTHORITY representatives to observe the factory test of the Process Air Compressors at the Equipment Manufacturer's facility. Assume 2 engineers will perform the visit and the visit will take 2 days with travel time. Total anticipated labor hours is 32 hours.

#### Task 1.7 - Submittals and Shop Drawings.

ENGINEER will review and respond to submittals, shop drawings, and samples within thirty (30) calendar days as submitted by the CONTRACTOR. Review of such information shall be for general compliance with contract documents. ENGINEER will coordinate, track and distribute shop drawings and submittals. ENGINEER shall evaluate and determine the acceptability of substitute or "or-equal" materials as proposed by the CONTRACTOR and consult with the AUTHORITY for approval.

It is anticipated that there will be approximately 100 individual submittals from the CONTRACTOR. ENGINEER assumes that 40% will require a resubmittal. The total number of

submittal reviews is 140 submittals at 8 hours per submittal. Total anticipated labor hours is 1120 hours

#### Task 1.8 – Request for Information

ENGINEER shall review and comment on request for information regarding clarifications and interpretations of the Contract Documents and will issue a response as appropriate for the orderly completion of the work. Such clarifications and interpretations will be consistent with the intent of and reasonably inferable from the Contract Documents. It is assumed that there will be 100 RFIs submitted by the CONTRACTOR. It is assumed that the Resident Inspector will be able to respond to half of the RFIs and the other half will be responded to by office engineers. Assume 4 hours of office time to respond to each RFI. The total anticipated labor hours is 200 hours.

#### Task 1.9 - Contract Modifications

ENGINEER shall review and recommend approval or denial of claims to the AUTHORITY as appropriate. It is assumed that there will be 20 claims submitted by the CONTRACTOR. Claims submitted by the CONTRACTOR shall be reviewed within 14 days of receipt. Change Orders shall be drafted by ENGINEER upon approval of CONTRACTOR Claims. It is assumed that an average of 4 hours of office engineer time will be required for each Claim. Total anticipated labor hours is 80 hours.

#### Task 1.10 – Request for Proposals

ENGINEER shall assume that additional changes in the project scope will occur during construction that will require ENGINEER to develop a request with supporting information for the CONTRACTOR to review and submit a proposal for. ENGINEER assumes 10 RFPs will need to be developed. It is assumed that an average of 4 hours of office engineer time will be required for each RFP. Total anticipated labor hours is 40 hours.

# **Task 2: Resident Inspection**

#### Task 2.1 Site Observation

ENGINEER shall provide a Resident Inspector during active construction (assumed to be 20 months) to oversee the CONTRACTORs construction activities. The objective of this site observation is to provide AUTHORITY a greater confidence that the work being conducted by the CONTRACTOR is in compliance with the Contract Documents. It is assumed that this inspection will occur an average of 40 hours per week during active construction. The Resident will perform Wage Rate Interviews and verify AIS, Davis Bacon, and other certifications are

received in a timely manner. The Resident will input equipment information into the AUTHORITY's CMMS system. The Resident Inspector will have the ability to provide clarification to the CONTRACTOR while onsite regarding the requirements of the Contract Documents.

#### Task 2.2 Observation of Foundation Installation

The ENGINEER will provide a licensed geotechnical engineer to observe the installation of the micro pile foundation (up to 120 hours in the field), and record compliance with the Contract Documents.

# Task 3: Commissioning Services

ENGINEER will perform the following Commissioning Tasks

- Review NIC software programming and attend 2 Virtual meetings with NIC personnel.
   Assume 32 labor hours
- Perform 4 separate Commissioning visits of 32 hours each at different times on the project to observe PAC and aeration system functional testing and performance demonstration testing. Assume 128 labor hours. Assist the AUTHORITY with final operations and optimization of final PAC and aeration system.

### **Task 4: Close Out Services**

This task is to be billed as a lump sum item.

## Task 4.1 Record Drawings

ENGINEER shall prepare record drawings that reflect as-built conditions based on information provided by the AUTHORITY, the construction CONTRACTOR, and ENGINEERS's own on-site inspections. ENGINEER shall reconcile and log that all construction document changes (i.e., shop drawings, RFIs, Field Change Orders, etc.) have been incorporated into the record drawings. Total anticipated labor hours is 1.5 hours per drawing; 135 hours.

#### Task 4.2 O&M Manual

Prepare an amendment to the existing ESWPAF Operations Manual to document the intended operation of the new PAC aeration system. The material will be drafted as a chapter to be added to the existing Operations Manual. Maintenance manuals will be collected and approved as a submittal from each equipment vendor. The maintenance manuals for all equipment will be turned over to the ESWPAF staff for their use. Total anticipated labor hours for Operations Manual Chapter is 80 hours.

#### Task 4.3 Substantial Completion

Following notice from the CONTRACTOR that the CONTRACTOR considers the entire work ready for its intended use, ENGINEER and AUTHORITY, accompanied by the CONTRACTOR, shall conduct an inspection to determine if the work is substantially complete. ENGINEER shall deliver a certificate of Substantial Completion to AUTHORITY and CONTRACTOR after the resolution of any objections and after it is mutually agreed upon by the AUTHORITY and ENGINEER that the certificate of Substantial Completion shall be issued. Before ENGINEER issues a Certificate of Substantial Completion, ENGINEER shall submit to CONTRACTOR a list of observed items requiring completion or correction (Punch list). ENGINEER will determine whether necessary inspections and approvals by public agencies having jurisdiction over the Work have been performed and advise the AUTHORITY and CONTRACTOR accordingly.

#### Task 4.4 Final Site Inspection

ENGINEER shall perform a final site inspection and walk-through of the project area with the AUTHORITY and CONTRACTOR to determine final completion status. ENGINEER shall prepare a final report and submit it to the AUTHORITY for review and acceptance. ENGINEER shall assume one 8-hour day on site.

ENGINEER and AUTHORITY shall conduct the final inspection to determine if the completed work of CONTRACTOR is acceptable so that ENGINEER may recommend, in writing, final payment to CONTRACTOR. Accompanying the recommendation for final payment, ENGINEER shall indicate that the work is acceptable to the best of ENGINEER knowledge, information and belief and based on the extent of the services performed and furnished by ENGINEER under this scope of services.

#### Task 4.5 Close Out Meeting

ENGINEER shall attend a close out meeting with AUTHORITY and construction CONTRACTOR to officially close-out the project and to discuss warranty procedures as necessary for compliance with the Contract Documents.

# Task 5: Subconsultants

#### Task 5.1a Zuvic: Site Civil Submittal Review

Zuvic aided ENGINEER in the Site Civil design for the PACS and will be used to review up to 20 submittals and 10 RFI's that pertain to the Civil work performed by the CONTRACTOR. Zuvic will perform a A-2 As-Built Survey of the new facility after the construction is completed, including relocated pipes, drainage swales and driveway installed during construction. Zuvic is an MBE certified firm, and it is expected that most of the MBE requirement will be met under this subconsultant.

#### Task 5.1b Zuvic: A-2 Project Survey

Zuvic will perform a A-2 As-Built Survey of the new facility after the construction is completed, including relocated pipes, drainage swales and driveway installed during construction. This task is a lump sum item to be paid for as part of the close out lump sum work.

#### Task 5.2 JK Muir Energy Audit and Resident Inspection

ENGINEER will retain JK Muir to perform an energy audit and resident inspection services during construction. The subcontractor will be responsible for performing an energy audit of the new PAC building and equipment and providing a report demonstrating their findings. The subcontractor will also be responsible for providing resident inspection when the primary inspector is not available. JK Muir is a WBE certified firm, and it is expected 50% of the WBE requirement will be met under this subcontract.

# Task 5.3 Special Testing Laboratories, Inc. Special Inspection and Material Testing

ENGINEER will retain Special Testing Laboratories, Inc (STL) to perform the materials testing and special inspections during construction. The subcontractor will be responsible for performing up to 15 cylinder tests, up to 15 grout cube compressive strength tests, up to 10 aggregate gradation tests, up to 5 asphalt gradation tests, up to 5 asphalt in-place and moisture content tests, up to 10 in-place density tests, up to 10 wet density tests, up to 10 compressive strength tests, and 20 weld inspections for stainless steel pipe. STL is a WBE certified firm, and it is expected that 50% WBE requirement will be met under this subcontract.

#### Task 5.4 NIC Systems Corporation

ENGINEER will retain NIC Systems Corporation to be the Systems Integrator for the New PAC system. The subcontractor will be responsible for performing integration between the new and existing SCADA systems, the new and existing aeration controls and participate in start-up activities.

# Task 6: Expenses

# Task 6.1 Resident Inspection

This task is to cover the milage and incidental fees for the resident inspector.

# Task 6.2 Project Management and Technical Lead Travel

This task is to cover the travel fees for project management and technical leads to be on site.

# **Project Schedule and Cost**

Project Schedule

The project duration is 22 months from CONTRACTOR Notice to Proceed.

**Project Cost** 

Level of Effort and Costs by task are summarized the attachment.

ENGINEER will meet or exceed the DEEP Clean Water Funding of 3% MBE and 5% WBE participation goals for the project.

# COST OR PRICE SUMMARY FORMAT FOR SUBAGREEMENTS UNDER U.S. EPA ASSISTANCE

State of Connecticut - Department of Environmental Protection

Water Management Bureau - Clean Water Fund Program

Greater New Haven Water Pollution Control Authority - Process Air Compressor System for Low-Level Nitrogen Removal - Services

During Construction

#### PART I - GENERAL

1. RECIPIENT - Greater New Haven Water Pollution Control	Authority		2. AS	SISTANCE IDENTIFICATION NO.
3. NAME OF CONTRACTOR OR SUBCONTRACTOR	Jacobs Engineering	Group, INC.	4. DA	TE OF PROPOSAL - 5/25/2023
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTO 100 Great Meadow Rd Suite 707 Wethersfield CT, 06109	R -	6. TYPE OF SEI construction for th Removal	RVICE TO BE FUR ne Process Air Compr	NISHED - Engineering services during essor System for Low-Level Nitrogen
	PART II - COS	ST SUMMARY		
7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Principal Officer	16	\$125.75	\$2,012	BEST COMMENCE OF THE PROPERTY.
Project Manager	911	\$54.86	\$49,981	· 产生有效。
Senior Consultant	90	\$137.93	\$12,414	
Senior Project Engineer - Process	648	\$79.67	\$51,626	
Senior Project Engineer - Electrical	195	\$85.27	\$16,628	
Senior Project Engineer - General	438	\$65.62	\$28,742	
Staff Engineer	626	\$58.16	\$36,408	
Resident Inspector	3240	\$52.36	\$169,659	
Administrative Assistant	10	\$38.18	\$382	A THE RESERVE OF THE SECOND
DIRECT LABOR TOTAL:				\$367,851
8. INDIRECT COSTS (Specify indirect cost pools)	RATE	X BASE =	ESTIMATED COST	550,1001
Labor Overhead	1.463	\$367,851	\$538,324	
INDIRECT COSTS TOTAL:				\$538.324
9. OTHER DIRECT COSTS	Supplied of the supplied to		ESTIMATED	ψ330,321
			COST	
a. TRAVEL				
(1) Inspector Travel			\$11,250	
(2) Meeting Travel			\$6,000	
(3) Site Visit Travel			\$10,000	
TRAVEL SUBTOTAL:			\$27,250	
b EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	QTY	COST	ESTIMATED COST	
(1) Incedientals		L	\$1,000	有关的 医克里特氏病 经基础的
EQUIPMENT SUBTOTAL:			\$1,000	
c. SUBCONTRACTS			ESTIMATED	
o. obbestitiate is			COST	
(1) Zuvic (MBE)			\$17,325	
			\$63,000	
(2) JK Muir (WBE)				
(3) Special Testing Laboratories (MBE)			\$21,000	· · · · · · · · · · · · · · · · · · ·
(4) NIC			\$77,700	
SUBCONTRACTS SUBTOTAL:			\$179,025	2015年1月1日 · 1015年1月1日 · 1015年1日 - 1015年1日 - 1015年1日
d. OTHER (Specify categories)			ESTIMATED COST	
NA			\$0	
OTHER SUBTOTAL:			\$0	<b>新疆</b> (1496) 10 36 40 40 40
OTHER DIRECT COSTS TOTAL:				\$207,275
10. TOTAL ESTIMATED COST				\$1,113,451
11. PROFIT				\$90,618
12. TOTAL PRICE - Cost Plus Fixed Fee				\$1,204,068
				₩ 1,20 T,000

	PART III - CERTIFICATIONS
13. CONTRACTOR OR SUBCONTRACTOR	,
This proposal is submitted for use in connection with and in r	esponse to a proposal for Process Air Compressor System for Low-Level Nitrogen Removal -
Services During Construction. This is to certify to the best of	of my knowledge and belief that the cost and pricing data summarized herein are complete, current, and
accurate as of May 25th 2023 and that a financial management	ent capability exists to fully and accurately account for the financial transactions under this project
I further certify that I understand that the subagreement price	may be subject to downward renegotiation and/or recoupment where the above cost and pricing data
have been determined, as a result of audit, not to have been co	omplete, current and accurate as of the date above.
25-May-23	
23-(vlay-23	17
Date of Execution	_ laring Marsey
Date of Execution	Signature of Proposer
	Project Manager
	Title of Proposer
14. LOAN RECIPIENT REVIEW	
I certify that I have reviewed the cost/price summary set for	th herein and the proposed costs/price appear acceptable for subagreement award.
or recording their particular section and the section of the secti	proposed to subspect and subspect and subspection and subspect
Date of Execution	Signature of Reviewer
	Title of Reviewer
15. DEP REVIEWER	
Date of Execution	Signature of Reviewer
Date of Excounter	Signature of Reviewer
	Title of Reviewer



#### Greater New Haven Water Follution Control Authority

260 East Street New Haven, CT 06511 203.466.5280 p 203 772.1564 f www.gnhwpca.com

To:	Director o	f Finance	and Administration	
From:	Gary Zrelal	ς, Directoι	of Operations	
Date:	09/05/23		]	
Re:	Operation	s - Capita	al Fund Transfer Reque	st
Transf	er Amount		Transfer From	Transfer To
\$1	0,000	0	2.0000.022.7625	02.0000.023.7574
		shore HVAC Sub 3	New Combo Truck	
at a	0.000			
\$1	0,000		Total	
Explanat				may be added under the contingency
already ap	proved by the	Board for	this project. One of these i	tems is a vacuum release valve
to reduce	wear and tear	on the Blo	wer and improve worker pr	oductivity.
Departm	ent Signatur	e:	Jonny 3	melles/
Approve	d by:			
			Director of Fin	ance and Administration
Approve	d by:			
			Ехес	cutive Director
Board Ap	proval:			
			Da	te of Meetina

#### Notoe:

All departmental budget transfers to and from Regular Wage (5010), Temporary & Part Time Wage (5011), and Overtime Wage (5015) Accounts shall be submitted to the Executive Director for review and approval.

All fund transfers between departmental budgets and cost centers less than \$10,000 shall be submitted by the Director of Finance and Administration to the Executive Director for review and approval.

All fund transfers between departmental budgets and cost centers equal to and greater than \$10,000 shall be approved by the Board of Directors.