

Date: October 18, 2022

To: Honorable Chairman Jose “Pepe” Diaz
and Members, Board of County Commissioners

Agenda Item No. 8(O)(1)

From: Daniella Levine Cava
Mayor



Resolution No. R-1009-22

Subject: Award Recommendation for a Construction Contract for Chlorine Contact Tank at
the South District Wastewater Treatment Plant

EXECUTIVE SUMMARY

The attached resolution is seeking Board of County Commissioners (“Board”) approval for the award of Contract S-933 (“Contract”) to Daniel O’Connell’s Sons, Inc. (“DOC”) for the construction of a new Chlorine Contact Chamber, connections to three Industrial Wells and other infrastructure upgrades at the South District Wastewater Treatment Plant (“SDWTP”). This project is required to allow the Water and Sewer Department to increase its capacity to treat and dispose wastewater by 16 percent and accommodate future growth while meeting State regulatory requirements.

RECOMMENDATION

It is recommended that the Board approve the attached resolution (1) awarding Contract No. S-933 to DOC for the Project with a total compensation amount of \$60,936,610.00 and a contract term of 731 calendar days plus a 74 calendar day contingency period; and (2) authorizing the County Mayor or County Mayor’s designee to use the Miami-Dade Water and Sewer Department (“WASD”) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Miami-Dade County Code (“WASD Acceleration Ordinance”) to manage this Contract.

DELEGATION OF AUTHORITY

Upon Board approval of the Contract, the County Mayor or County Mayor’s designee may exercise all provisions, including the termination provisions, within the Contract. In addition, the County Mayor or County Mayor’s designee may manage this Contract pursuant to the WASD Acceleration Ordinance, which delegates authority to the County Mayor or County Mayor’s designee to, among other things, negotiate and settle claims and execute change orders that do not exceed ten percent (10%) of the base contract amount, subject to ratification by the Board.

PROJECT BACKGROUND

The County owns and operates the SDWWTP, which utilizes a pure-oxygen activated treatment system for primary and secondary treatment of wastewater prior to disposal through a deep injection well system. The upgrades are required to prepare the SDWWTP to meet projected treatment requirements and accommodate future population growth.

This Contract involves the construction of a new Chlorine Contact Tank, connections to three Injection Wells and other facility upgrades. Most structures are new, and some require auger cast pile foundations. Due to the groundwater conditions, a dewatering plan was estimated for the deep excavation portions of

the Project. The estimated total cost of the Project is \$60,936,610.00 (with a base of \$52,997,000.00 plus \$7,939,610 in allowances and contingency).

PROJECT NAME: Chlorine Contact Tank at the South District Wastewater Treatment Plant

CONTRACT No.: S-933

PROJECT LOCATION: 23300 SW 88th Avenue, Miami, FL 33190

COMMISSION

DISTRICT: District 8, Danielle Cohen Higgins

APPROVAL PATH: Board of County Commissioners Section 2-8.1 of the Miami-Dade County Code

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING

DEPARTMENT: Miami-Dade Water and Sewer Department

SBD REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES: (See EXHIBIT A, attached)

SUBMITTAL DATE: 12/14/2021

SIGNOFF DATE: 1/10/2022

<u>TYPE</u>	<u>GOAL</u>	<u>COMMENT</u>
SBE – Construction	1.43%	The estimated value is the product of the goal percentage multiplied by the sum of the Base Estimate plus the Contingency Allowance Amount.
SBE – Goods and Services	1.56%	The estimated value is the product of the goal percentage multiplied by the sum of the Base Estimate plus the Contingency Allowance Amount.
CWP	10.00%	CWP is applicable to this project.

MINIMUM

QUALIFICATIONS

EXCEED

REQUIREMENTS:

The Project required the successful bidder to provide proof of past experience establishing the ability of the bidder to perform the Project scope of work. DOC submitted a qualifications package which was examined by WASD and determined to be acceptable.

PROJECT TECHNICAL

CERTIFICATION

REQUIREMENTS:

Below are the types of Licenses that may be required to execute this work. The trades authorized by each individual license may overlap with other licenses listed. Therefore, all the licenses may not be required as long the scope of work is covered by the licenses

presented by the General Engineering Contractor and/or his subcontractors.

- a. General Engineering Contractor
- b. Plant Construction Engineer Contractor
- c. Pipeline Engineering Contractor
- d. Structural Engineering Contractor
- e. Pile Driving and Foundation Engineering Contractor
- f. Paving Engineering Contractor
- g. Excavating and Grading Engineering Contractor
- h. Electrical Contractor
- i. Soil Compaction and Tamping Engineering
- j. Demolition Contractor
- k. And/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of the Miami-Dade County Code

APPLICABLE WAGES: (RESOLUTION NO. R-54-10): Yes

MANDATORY CLEARING HOUSE: Yes

FISCAL IMPACT / FUNDING SOURCE: (See EXHIBIT B, attached)

Future Subordinate Debt
State Revolving Loan
WASD Revenue Bonds Sold
Water Infrastructure Finance Innovation Act (WIFIA) Program Loan
Wastewater Connection Charges
Wastewater Renewal Fund
Wastewater Special Construction Fund

CAPITAL BUDGET PROJECT NO. & DESCRIPTION:

2000000580 PEAK FLOW MANAGEMENT-SOUTH DISTRICT EXPANSION
Book Page: 74, Adopted Budget and Multi-Year Capital Plan for FY 2020-21

REQUEST TO ADVERTISE ESTIMATE: \$38,537.750.00

CAPITAL BUDGET PROJECTS TOTAL: \$60,936,610.00

OPERATIONS COST IMPACT/FUNDING: \$3,00,000 per year. The funding source for the operating impact is WASD Operating Revenues.

MAINTENANCE COST IMPACT/FUNDING: \$2,00,000 per year. The funding source for the operating impact is WASD Operating Revenue.

LIFE EXPECTANCY OF ASSET: 50 years

<u>PTP FUNDING:</u>	No
<u>GOB FUNDING:</u>	No
<u>ARRA FUNDING:</u>	No
<u>TOTAL CONTRACT PERIOD</u>	675 Calendar Days to Substantial Completion 731 Calendar Days to Final Completion
<u>CONTINGENCY PERIOD</u>	74 Calendar Days
<u>IG FEE INCLUDED IN BASE CONTRACT</u>	Yes
<u>ART IN PUBLIC PLACES</u>	No
<u>BIDDER’S BASE ESTIMATE</u>	\$52,997,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):

<u>Type</u>	<u>AMOUNT</u>	<u>PERCENT</u>
INFRASTRUCTURE	\$5,299,700.00	10%
<u>DEDICATED ALLOWANCES:</u>	<u>AMOUNT</u>	<u>PERCENT</u>
For Required Permits and Fees:	\$1,589,910.00	3.00%
Lead and Asbestos:	\$80,000.00	0.24%
To Address Underground Utility Conflicts:	\$150,000.00	0.45%
Testing, Handling and Disposing of Non-Petroleum Contaminated Soil:	\$350,000.00	1.05%
Testing, Handling and Disposing of Petroleum Contaminated Soil:	\$350,000.00	1.05%
Testing, Handling and Disposing of Contaminated Groundwater:	\$120,000.00	0.36%
<u>TOTAL DEDICATED ALLOWANCES:</u>		\$2,639,910.00
<u>TOTAL CONTRACT:</u>		\$60,936,610.00

SEA LEVEL RISE (Ord. No. 14-79): The impact of sea level rise has been considered.

SUSTAINABLE BUILDINGS ORDINANCE: (Ord. No. 07-65)

This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TRACK RECORD / MONITOR/SBD HISTORY OF VIOLATIONS:

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD’s procurement guidelines to determine responsibility, including verifying corporate status, performance, and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings related to DOC responsibility. Therefore, this information is being provided pursuant to Resolution R-187-12.

EXPLANATION:

On April 27, 2022, WASD received and opened three (3) bids (See Bid Tabulation, attached as EXHIBIT C) in response to an advertisement for an open competitive solicitation for the Project:

Company Name	Base Bid	Total Bid*
Daniel O’Connell’s Sons	\$52,997,000	\$60,936,610
Poole & Kent	\$58,822,000	\$67,518,860
MCM & MCT Joint Venture	\$60,640,000	\$69,573,200

**Total bid includes contingency & dedicated allowances.*

Because contract measures were assigned, the bids were forwarded to ISD’s Division of Small Business Development (SBD) for a Compliance Review. On May 16, 2022, SBD issued the results of its Compliance Review for Certificate of Assurance. Each of the companies, including DOC, was determined to comply with the Implementing Order for the Small Business Enterprise program for construction services and the program for goods and services. A copy of SBD’s Compliance Review is attached hereto as EXHIBIT D.

The Engineer of Record, CDM Smith, reviewed the apparent low bidder’s submittal and, after an exchange of information to clarify certain issues, determined on May 20, 2022, that DOC satisfied the requirements of the solicitation. CDM Smith also evaluated the bid and noted several factors to explain the discrepancy between the original cost estimate and the amount of the bid. The original Opinion of Probably Construction Cost (OPCC) was developed in November 2021. At that time, the total cost was estimated to be \$38,537,750. Because of global market condition changes that occurred after the original OPCC was completed, the OPCC was updated in May 2022. The updated OPCC estimated the total cost to be \$60,874,460, which makes the low bid approximately 0.1 percent higher than the updated OPCC. (See Exhibit E, attached). Since the OPCC was updated after the bids were opened, WASD decided to not utilize the acceleration ordinance but rather to submit this contract for full Board approval.

ISD’s Capital Improvements Information System (CIIS) database contains five (5) evaluations for DOC. The dates of the evaluations range from January 14, 2020, to July 23, 2021, with an average overall rating of 2.5 points out of a possible 4 points. (See EXHIBIT F, as attached).

It is recommended that the project be awarded to DOC, the lowest responsible, responsive bidder, whose total bid of \$60,936,610 is approximately 59.7 percent above the Engineer’s estimated total cost of \$38,537,750 and 0.1 percent higher than the updated OPCC estimated total cost of \$60,874,460.

The Contract, Non-Collusion Affidavit, and the Firm’s Responsibility Affidavit (also called “Combined Affidavit”) executed by Daniel O’Connell’s Sons, Inc., are attached as EXHIBIT G, EXHIBIT H and EXHIBIT I, respectively.

<u>SUBMITTAL DATE:</u>	June 7, 2022
<u>ESTIMATED NOTICE TO PROCEED:</u>	As soon as possible
<u>PRIME CONTRACTOR:</u>	Daniel O’Connell’s Sons Inc
<u>COMPANY PRINCIPAL:</u>	Matthew M. Sturm
<u>COMPANY QUALIFIERS:</u>	Matthew M. Sturm
<u>EMAIL ADDRESS:</u>	msturm@oconnells.com
<u>COMPANY ADDRESS:</u>	2999 NE 191st Street, Suite 906 Aventura, FL 33180
<u>YEARS IN BUSINESS:</u>	142 years

PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm Vendor’s Profile Contract History dated March 3, 2022, (attached as EXHIBIT J) downloaded from the Business Management Workforce System, Daniel O’Connell’s Sons, Inc., has been awarded four (4) construction contracts in the past three (3) years with the County, with a total value of \$67,042,620.00.

CONTRACT MANAGER NAME/PHONE/EMAIL:

Paul Adams / 786-863-9425 / Paul.Adams@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL:

Daniel Lizarazo / 305-205-0902 / daniel.lizarazo@miamidade.gov

SIGNATURE PAGE

**Construction Contract for Chlorine Contact Tank at the South District Wastewater
Treatment Plant Project No.: N/A; Contract No.: S-933**



David Clodfelter
OMB Director

8/31/2022

Date

Approved as to legal sufficiency:



Angela F. Benjamin
Assistant County Attorney

August 29, 2022

Date



Jimmy Morales
Chief Operations Officer

9/8/2022

Date



Small Business Development Division

Project Worksheet

Project/Contract Title:	Chlorine Contact Tank (ST-2C) Wastewater Treatment Plant	Received Date: 12/14/2021
Project/Contract No:	S-933	Funding Source: Other
Department:	Water & Sewer	
Estimated Cost of Project/Bid:	\$38,537,750.00	

Description of Project/Bid: This is an Ocean Outfall project that consists of furnishing all labor, materials and equipment necessary for the construction of a new chlorine contact chamber (CCC 10); construction of wellheads for 3 new injection wells (drilled by others); construction of a 72-inch pipeline to serve as an interconnect between the north and south sides of the effluent loop including a concrete vault for a flowmeter; construction of a 108-inch prestressed concrete cylinder pipe from the filter effluent flume to the CCCs influent pipe near CCC 9; associated yard piping; and overall site civil grading and drainage improvements at the South District Wastewater Treatment Plant owned by the Miami-Dade Water and Sewer Department (WASD) and located at 23300 SW 88th Avenue Miami, FL 33032.

Contract Measures		
<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	SBE - Con	1.43%
Goal	SBE - Goods	1.56%
Workforce Goal	CWP	10.00%
Reasons for Recommendation		
SMALL BUSINESS ENTERPRISE - CONSTRUCTION (SBE-Con) SBD reviewed this project pursuant to Implementing Order(s) 3-22 and 3-41 for SBE-Con and SBE-Goods measures. Project information analyzed included the project's scope of services, minimum requirements/qualifications and funding source. An analysis of the factors contained in Implementing Order 3-22 indicates a 1.434% Small Business Enterprise – Construction (SBE-Con) subcontractor goal is appropriate for the trades of: Highway, Street, and Bridge Construction (1.10%-Site Demolition, Pavement, Restoration, Asphalt Milling) and Commercial and Institutional Building Construction (0.334%-Concrete Slab).		
SMALL BUSINESS ENTERPRISE - GOODS (SBE - Goods) An analysis of the factors contained in section VIII. B. of Implementing Order 3-41 & Ordinance 14-41 indicates a 1.56% SBE - Goods Subcontractor goal is appropriate in the commodity area of Construction Materials (1.56%) (15010). CWP 10% Goal Applicable The SBE - Con and SBE - Goods Subcontractor Goals can be met by First Tier, Second Tier and Third Tier, certified SBE-Con & SBE-GS firms. Please be advised that these areas are just a recommendation and firms are not tied to meeting the SBE-Con & SBE-Goods goals in these specific trades/commodities. NAICS 237990 Other Heavy and Civil Engineering Construction, NAICS 237110 Water and Sewer Line and Related Structures Construction, NAICS 237310 Highway, Street, and Bridge Construction, NAICS 238910 Site Preparation Contractors, NAICS 236220 Commercial and Institutional Building Construction, NIGP 15010 Construction Materials.		

Small Business Contract Measure Recommendation

Subtrade

Highway, Street, and Bridge Construction
Commercial and Institutional Building Construction
Construction Materials

Category

SBE-Con
SBE-Con
SBE-Goods

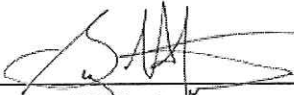
Living Wages: YES ☐ NO ☒

Highway: YES ☐ NO ☒

Heavy Construction: YES ☒ NO ☐

Responsible Wages: YES ☒ NO ☐

Building: YES ☐ NO ☒


SBD Director

1/10/22

Date

FY 2021 - 22 Adopted Budget and Multi-Year Capital Plan

PEAK FLOW MANAGEMENT - SOUTH DISTRICT EXPANSION

PROGRAM #: 2000000580

DESCRIPTION: Redirect flows to regional plants and account for peak flows through 2035

LOCATION: Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Countywide

REVENUE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Future Subordinate Debt	0	0	7,212	6,749	11,125	24,832	39,367	17,496	106,782
State Revolving Loan Wastewater Program	12,350	0	0	0	0	0	0	0	12,350
WASD Revenue Bonds Sold	22,580	0	0	0	0	0	0	0	22,580
WIFIA Loan	25,412	4,300	74,178	133,943	47,669	39,218	6,500	504	331,724
Wastewater Connection Charges	141,385	5,489	910	1,156	0	0	0	0	148,940
Wastewater Renewal Fund	14,566	0	12,866	0	0	0	0	0	27,431
Wastewater Special Construction Fund	5,599	2,950	0	0	36,348	0	0	0	44,897
TOTAL REVENUES:	221,891	12,739	95,165	141,849	95,142	64,051	45,867	18,000	694,703
EXPENDITURE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Construction	120,116	50,203	137,781	146,270	96,179	67,670	44,949	17,640	680,808
Planning and Design	2,451	1,025	2,812	2,985	1,963	1,381	917	360	13,895
TOTAL EXPENDITURES:	122,568	51,228	140,593	149,255	98,142	69,051	45,867	18,000	694,703

PUMP STATIONS - GENERATORS AND MISCELLANEOUS UPGRADES

PROGRAM #: 9652002

DESCRIPTION: Install emergency generators and construct miscellaneous upgrades at various wastewater pump stations

LOCATION: Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	4,899	5,600	5,046	4,244	0	0	19,788
WASD Revenue Bonds Sold	7,692	0	0	0	0	0	0	0	7,692
TOTAL REVENUES:	7,692	0	4,899	5,600	5,046	4,244	0	0	27,480
EXPENDITURE SCHEDULE:	PRIOR	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	FUTURE	TOTAL
Construction	5,236	2,456	4,899	5,600	5,046	4,244	0	0	27,480
TOTAL EXPENDITURES:	5,236	2,456	4,899	5,600	5,046	4,244	0	0	27,480

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C							
CHLORINE CONTACT TANK CONTRACT NO. S-933							
Item No.	Estimated Quantity	Description	OPCC (Nov. 2021)	OPCC (April 2022)	Daniel O'Connell's Sons	Poole & Kent	M&m Joint Venture
1	Aggregate Sum (Divided into 4 payments)	For performing preparatory work and operations in mobilizing and demobilizing for the work of the Project including those operations necessary for the movement of personnel, equipment, supplies and incidentals to the Project site and for the establishment of temporary facilities, safety equipment and first aid supplies, sanitary and temporary structures, temporary utilities, and any other appurtenances necessary for performing the work, shop drawings and contractor's submittals, the costs of bonds, required insurance and other preconstruction expense; but excluding materials and permit costs, both of which are paid under other payment items; complete for the aggregate sum of	\$ 1,579,000.00	\$1,853,000.00	\$2,500,000.00	\$2,800,000.00	\$1,800,000.00
2	Aggregate Sum	For construction of new Chlorine Contact Chamber 10, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, drainage, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, slide gates, weirs; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Chlorine Contact Chamber 10 (and piping for future Chlorine Contact Chamber 11) to the Filters Effluent Piping Manifold and to the Chlorine Contact Chambers 5-9 Effluent Manifold, not covered by other Bid Items. The aggregate sum of	\$ 4,803,000.00	\$7,385,000.00	\$13,497,000.00	\$13,000,000.00	\$8,300,000.00
3	Aggregate Sum	For construction of concrete slab, installation of above ground wellhead equipment, and piping for existing Injection Wells IW-18, IW-19, and IW-20, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, isolation and pressure relief valves, magnetic flow meters, pipe supports, harnessed flanged adapter couplings (HFACs), and submersible sump pumps; furnishing and installing all structural components; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the IW-18, IW-19, and IW-20 to the Plant Effluent Loop Pipe. The aggregate sum of	\$ 1,737,000.00	\$2,098,000.00	\$2,000,000.00	\$3,000,000.00	\$1,300,000.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C							
CHLORINE CONTACT TANK CONTRACT NO. S-933							
Item No.	Estimated Quantity	Description	OPCC (Nov. 2021)	OPCC (April 2022)	Daniel O'Connell's Sons	Poole & Kent	M&M Joint Venture
4	Aggregate Sum	For construction of the new 72" Plant Effluent Loop Interconnect pipeline between the Effluent Pump Station No. 2 (EPS2) discharge manifold and the north side of the Plant Effluent Loop, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all 72-inch Plant Effluent piping, fittings, valves, flow meters, pipe supports; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the installation of the 72" Plant Effluent Loop Interconnect Pipeline not covered by other Bid Items, including installation of 72" piping inside of the existing 84" siphons.	\$ 15,580,000.00	\$21,416,000.00	\$24,000,000.00	\$22,022,000.00	\$29,640,000.00
5	Aggregate Sum	For construction of the new 108-inch Filtered Effluent Pipeline to the chlorine contact tanks, modifications to the Filtered Effluent Flume, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all 108-inch Filtered Effluent piping, fittings, valves, flow meters, pipe supports; furnishing, installing, and testing stop logs for the new 108-inch and the existing 120-inch pipes to isolate the two Filtered Effluent Pipelines; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the installation of the 108-inch Filtered Effluent Pipeline not covered by other Bid Items. The aggregate sum of	\$ 9,476,000.00	\$12,910,000.00	\$11,000,000.00	\$18,000,000.00	\$19,600,000.00
6	Subtotal	The sum of Bid Item Nos. 1 through 5	\$33,175,000.00	\$45,662,000.00	\$52,997,000.00	\$58,822,000.00	\$50,640,000.00
7	Contingency Account	For unforeseeable conditions, minor construction changes and quantity adjustments, additional work not covered by other items, if ordered by the Engineer, 10.0% of Item No. 10. (0.10) x (Item No. 10). TO BE CALCULATED BY THE COUNTY.	\$3,317,500.00	\$4,566,200.00	\$5,299,700.00	\$5,882,200.00	\$6,064,000.00
8	Permitting Dedicated Allowance	This item establishes a fund for reimbursement of the cost of required construction permits, fees, inspections, and/or impact fees, if authorized by the Engineer, 3.0% of Item No. 10. (0.03)x(Item No.10). Payment shall reimburse the CONTRACTOR for only the cost of the construction permits or fees. Any question of whether construction permits or fees are required shall be decided by the Engineer whose word shall be final. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. TO BE CALCULATED BY THE COUNTY.	\$995,250.00	\$1,369,860.00	\$1,589,910.00	\$1,764,660.00	\$1,819,200.00

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C							
CHLORINE CONTACT TANK CONTRACT NO. S-933							
Item No.	Estimated Quantity	Description	OPCC (Nov. 2021)	OPCC (April 2022)	Daniel O'Connell's Sons	Poole & Kent	M&M Joint Venture
9	Lead and Asbestos Dedicated Allowance	This item establishes a fund for Lead and Asbestos abatement, if authorized by the ENGINEER, for the duration of the project. A written authorization by the ENGINEER must be obtained prior to performing the WORK to obtain reimbursement under this item. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with OWNER. <u>Eighty thousand Dollars and 00 Cents</u>	\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00	\$80,000.00
10	Underground Utility Conflicts Dedicated Allowance	This item establishes a fund for all labor, material, equipment and services necessary for modification or extra work to address underground utility conflicts that were unknown at the time the Bid Documents were issued and that are discovered during construction. : <u>One hundred fifty thousand Dollars and 00 Cents</u>	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
11	Testing, Handling, and Disposing of Non-Petroleum Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Non-petroleum contaminated soils. This item establishes a fund for all labor, materials, equipment, and services necessary for modification or extra work to address contaminated soils, unknown at the time when the Bid Documents were issued and that are discovered during construction. <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00
12	Testing, Handling, and Disposing of Petroleum-Contaminated Soils Dedicated Allowance	For Testing, Handling, and Disposing of Petroleum-Contaminated Soils - Compliance with potential contaminated soil handling guidelines per SWP Guidance No. 1. This item includes temporary stockpile of soil on an impermeable surface preventing contaminant runoff in accordance with FAC 62-780.500. This item includes collection and analysis of composite samples for petroleum constituents in accordance with table in SWP Guidance No. 1 by a qualified consultant. This item includes laboratory analysis of samples according to table in SWP Guidance No. 1. This item includes disposal of soil exceeding applicable criteria in a landfill or a permitted hazardous waste treatment, storage, and disposal facility depending on level of contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00	\$350,000.00
13	Testing, Handling and Disposing of Contaminated Groundwater Dedicated Allowance	This item establishes a fund for testing, handling, and disposing of contaminated water associated with contaminated soils and groundwater encountered during construction activities as described in Section 02 22 10 Environmental Contamination. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. If authorized by the ENGINEER, for the duration of the project, the aggregated sum of: <u>One hundred and twenty thousand Dollars and 00 Cents</u>	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00	\$120,000.00

Bid Tally

PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C							
CHLORINE CONTACT TANK CONTRACT NO. S-933							
Item No.	Estimated Quantity	Description	OPCC (Nov. 2021)	OPCC (April 2022)	Daniel O'Connell's Sons	Poole & Kent	M&M Joint Venture
14	Total Allowances	This item is the subtotal of Item Nos. 8 through 14 TO BE CALCULATED BY THE COUNTY	\$2,045,250.00	\$2,419,860.00	\$2,639,910.00	\$2,814,660.00	\$2,869,200.00
15	Total	TOTAL BID (Sum of Bid Items 6, 7, and 14) TO BE CALCULATED BY THE COUNTY	\$38,537,750.00	\$52,648,060.00	\$60,936,610.00	\$67,518,860.00	\$69,573,200.00

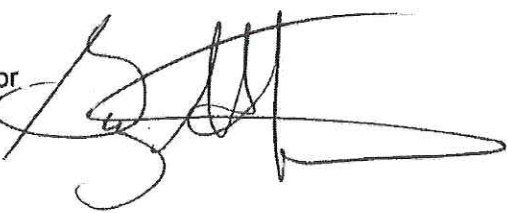
Memorandum

DATE: May 16, 2022

TO: Paul Adams, Manager
Construction Contracts
Water & Sewer Department

FROM: Gary Hartfield, Division Director
Internal Services Department
Small Business Development

SUBJECT: Compliance Review
Project No. S-933
Chlorine Contact Tank (ST-2C) Wastewater Treatment Plant



Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise Construction (SBE-Con) and SBE-Goods & Services (SBE-G & S) programs. The contract measures established for this project are a 1.43% SBE-Construction and 1.56% SBE-Goods subcontractor goals.

The Miami-Dade Water and Sewer Department has submitted contract documents that included the Certificate of Assurance for the firms listed below acknowledging the project's SBE measures. All referenced firms also submitted their Utilization Plan (UP) identifying the SBE subcontractors to fulfill the goals via the Business Management Workforce System (BMWS) and the following is their pre-award compliance status and summary.

FIRM:

STATUS:

- | | |
|------------------------------------|-----------|
| 1. Daniel O'Connell's Sons, Inc. | Compliant |
| 2. M & M JV | Compliant |
| 3. Poole & Kent Company of Florida | Compliant |

SUMMARY:

Daniel O'Connell's Sons, Inc. (#1), a non-certified, SBE-Con firm, committed to utilize SCR Mechanical, LLC to perform mechanical work at 1.43% in satisfaction of the 1.43% SBE-Con subcontractor goal. The Utilization Plan submitted by Daniel O'Connell's Sons, Inc. was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.43% SBE-Con goal.

Daniel O'Connell's Sons, Inc. also committed to utilize Corcel Corp., a certified, SBE-G & S firm, to provide mechanical equipment supply, NIGP 67071 Valves, Butterfly, All Kinds at 1.56% in satisfaction of the 1.56% SBE-Goods subcontractor goal. The Utilization Plan submitted by Daniel O'Connell's Sons, Inc. and confirmed by the subcontractor was approved pursuant to the firm's commitment to achieve the 1.56% SBE-Goods goal.

Daniel O'Connell's Sons, Inc. is in compliance with the 1.43% SBE-Con and 1.56% SBE-Goods subcontractor goals established for this contract. Daniel O'Connell's Sons, Inc. is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

M & M JV (#2), a non-certified SBE-Con firm, committed to utilize Maestre Construction Inc., a certified, SBE-Con firm to perform sitework at 1.43% in satisfaction of the 1.43% SBE-Con subcontractor goal. The Utilization Plan submitted by M & M JV was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.43% SBE-Con goal.

M & M JV also committed to utilize A & B Pipe and Supply, Inc./Global Distribution Industries, Inc., to supply pipe material, NIGP 65800 Pipe, Tubing, And Accessories (Not Fittings), NIGP 65900 Pipe And Tubing Fittings at 1.56% in satisfaction of the 1.56% SBE-Goods subcontractor goal. The Utilization Plan submitted by M & M JV was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.56% SBE-Goods goal.

M & M JV is in compliance with the 1.43% SBE-Con and 1.56% SBE-Goods subcontractor goals established for this contract. M & M JV is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

Poole & Kent Company of Florida (#3), a non-certified, SBE-Con firm, committed to utilize Transamerica Construction, a certified, SBE-Con firm, to perform concrete shell work at 1.43% in satisfaction of the 1.43% SBE-Con subcontractor goal. The Utilization Plan submitted by Poole & Kent Company of Florida and confirmed by the subcontractor was approved pursuant to the firm's commitment to achieve the 1.43% SBE-Con goal.

Poole & Kent Company of Florida also committed to utilize Corcel Corp., a certified, SBE-G & S firm, to supply valves at 1.56% in satisfaction of the 1.56% SBE-Goods subcontractor goal. The Utilization Plan submitted by Poole & Kent Company of Florida was confirmed by the subcontractor and approved pursuant to the firm's commitment to achieve the 1.56% SBE-Goods goal.

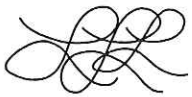
Poole & Kent Company of Florida is in compliance with the 1.43% SBE-Con and 1.56% SBE-Goods subcontractor goals established for this contract. Poole & Kent Company of Florida is deemed compliant with Implementing Orders 3-22 and 3-41 governing the SBE-Con and SBE-G & S programs respectively.

SBD has verified that none of the aforementioned firms are listed on the *Compliance Report of Open and Closed Small Business, Wage and/or Workforce Violations in the last three (3) years* with an open violation. Please be reminded that SBD staff reviewed and addressed compliance with the SBE-Con, SBE-G & S measures. The Contract and Specifications Section of the Miami-Dade Water and Sewer Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar E. Suarez, SBD Capital Improvement Project Specialist at (305) 375-3141.

c: Laurie Johnson, SBD, ISD
File



Memorandum

To: Paul Adams, Manager Construction Contract Division MDWASD
From: Layla Llewelyn, P.E. CDM Smith 
Date: May 20, 2022
Subject: ST-2C Chlorine Contact Tank (Contract S-933) – Bid Recommendation

CDM Smith has reviewed the additional information provided by Daniel O'Connell's Sons (DOC) on May 13, 2022, in response to the Bid Evaluation and Required Clarifications issued by CDM Smith on May 4, 2022. Table 1 below summarizes the findings.

Table 1 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
The Bidder's proposed project manager shall have successfully completed a minimum of two (2) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) greater than \$20 million. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	The Bidder's proposed project manager is Mr. Bailey. Clarification/confirmation that he meets the minimum requirement of 2 completed projects is needed. Projects listed and considered for this experience: Uxbridge WWTP BNR and Infrastructure upgrade, \$34.6 million, completed Dec 2019. – Project qualifies.	Mr. Bailey's resume was revised to include completion dates for relevant projects, including MWRA #7396 Scum Skimmer Replacement at Deere Island, Boston, MA, \$20 Million, completed March 2017.	Mr. Bailey's qualifications meet the project manager qualification requirements.

Mr. Paul Adams
May 20, 2022
Page 2 of 6

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
	Other projects listed do not qualify and/or not enough information is provided. Provide missing project completion dates, missing project scope information, or one (1) qualifying project with project description that aligns with the experience requirement.		

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
The Bidder must have successfully completed a minimum of two (2) projects that have included procurement and installation of process equipment, construction of chlorine contact chambers, and installation of instrumentation and controls including connections into an existing SCADA in wastewater treatment plants with capacities of 10 mgd or larger with secondary treatment process, with this work being performed while maintaining operations of the wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work.	Bidder has wastewater facility experience; however, project description submitted for qualifying projects (5) do not indicate if chlorine contact chambers (CCC) were constructed, I&C work was performed, and connection to existing SCADA. Confirm work performed in each project description aligns with qualification. ▪ Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. Confirm construction of CCCs, and connections to existing SCADA was part of project scope. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm connections to existing SCADA was part of project scope.	DOC provided the following clarifications: ▪ Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. Project did not include construction of CCCs, but it did include connections to existing SCADA. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Project included connection to existing SCADA. ▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Project did not include construction of CCCs, but it did include I&C work and connections to existing SCADA.	The MFN Regional Wastewater Treatment Facility project fully meets the qualification requirements. While the response from DOC indicates that the Charles River Water Pollution Control Facility project includes construction of CCCs, the project description provided does not identify the CCCs as new facilities, but instead identifies conversion of existing CCCs to accommodate modifying the disinfection system from chlorine gas to sodium hypochlorite. The experience requirement is generally satisfied and acceptable.

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
	▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm construction of CCCs, I&C work, and connections to existing SCADA work was part of project scope. ▪ Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm construction of CCCs, I&C work, and connections to existing SCADA was part of project scope. ▪ Uxbridge WWTP completed September 2020. New CCCs were not constructed. Existing CCC was converted to UV disinfection. Various I&C components and SCADA were replaced. Provide plant capacity.	▪ Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Project included construction CCCs I&C work and connections to existing SCADA. ▪ Uxbridge WWTP completed September 2020. New CCCs were not constructed. Existing CCC was converted to UV disinfection. Various I&C components and SCADA were replaced. Plant is 6 mgd.	

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
The Bidder or Bidder's instrumentation and Controls Subcontractor shall have successfully completed a minimum of two (2) projects demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work, with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	Multiple projects (5) were submitted for qualification; however, it is not stated in the project description whether connection to existing SCADA, and I&C work was performed by DOC. Confirm bidder will self-perform the instrumentation, controls and SCADA work and confirm scope of work performed for each project description aligns with qualification. ▪ Uxbridge WWTP BNR and Infrastructure upgrade completed Dec 2019. Project appears to qualify. Confirm I&C and SCADA scope was performed by DOC. ▪ Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC.	DOC clarified that the DOC installed the I&C field equipment and devices for the listed projects. The balance of the I&C and SCADA scope was performed by an Instrumentation Subcontractor. Qualifications for both Revere and I&C Consulting Engineers.	Both Revere and I&C Consulting have at least 2 qualifying projects. The requirements are met.

Mr. Paul Adams
May 20, 2022
Page 6 of 6

Bid Advertisement Qualifications and Experience Requirements	CDM Smith 5/4/2022 Comments	DOC 5/13/2022	CDM Smith 5/20/2022 Comments
	- Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. - Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC.		

Additionally, DOC provided formal responses to SP 1.0 as part of the clarifications, specifically responding to each element of the requirements and the responses are satisfactory.

Finally, DOC clarified that the references listed on the Proposal Form can be judged as to DOC's "financial responsibility", while the individual Owner/Engineer references, provided under "Minimum Contractor Experience", were provided to satisfy the "similar work" references.

In consideration of the above, CDM Smith recommends WASD accept Daniel O'Connell's Sons bid for the above referenced project as a responsive, responsible Bidder whose evaluated bid totals the lowest number of dollars.

cc: Victor J Pujals, P.E.
Carl Frizzell, P.E.
Eduardo Arispe, E.I.

File: PW.EXT.6430-221058_Rev2.04.15.06



ESTABLISHED 1879

Daniel O'Connell's Sons
Construction Managers and
General Contractors

2999 NE 191st St
Suite 906
Aventura, FL 33180
786-864-0003
www.oconnells.com

May 13, 2022

Method of Delivery: Via Email

Mr. Paul F. Adams
Manager, W&S Construction Contracts
Construction Contracts Division

RE: S-933 Bid Evaluation
CLARIFICATIONS TO BIDDER QUALIFICATIONS

Mr. Adams,

This is in response to the CDM Smith letter dated May 4, 2022 regarding some clarifications to our Bidder Qualifications. Enclosed you will find our detailed response.

If you should have any further questions or require additional clarification, please do not hesitate to contact me.

Sincerely,
DANIEL O'CONNELL'S SONS

Matthew M. Sturm
Florida Operations Manager

Cc: Joubin Hassanein - DOC
Paul Praderio - DOC

Enc. DOC Response to Clarifications
DOC Minimum Contractor Experience



Memorandum

To: Paul Adams, Manager Construction Contract Division MDWASD

From: Layla Llewelyn, P.E. CDM Smith 

Date: May 4, 2022

Subject: ST-2C Chlorine Contact Tank (Contract S-933) - Bid Evaluation and Required Clarifications

The bid opening for Contract No. S-933, Miami-Dade Ocean Outfall Legislation (OOL) Program Project ST-2C, Chlorine Contact Tank, took place on April 27, 2022, at 2:00 PM via MS Teams. Three bids were received, as listed in **Table 1** below.

Table 1 Bid Tabulation Summary

Company Name	Base Bid	Total Bid*
Daniel O'Connell's Sons	\$52,997,000	\$60,936,610
Poole & Kent	\$58,822,000	\$67,518,860
MCM & MCT Joint Venture	\$60,640,000	\$69,573,200

*The total bid includes contingencies and dedicated allowance.

The Opinion of Probable Construction Cost (OPCC), developed in November 2021, estimated the subtotal cost at \$33,175,000 and a total cost, including contingencies and dedicated allowances, of \$38,537,750. The bid by Daniel O'Connell's Sons (DOC), which is the apparent low bid, is approximately 59.7% above the estimated OPCC, which is outside the range of accuracy for an AACE Class 1 cost estimate of +3% to +15% above the estimated cost.

Global market conditions have changed since the OPCC was finalized in November 2021, and the OPCC was updated in May 2022 to reflect those conditions. Refer to **Attachment 1** for details of the updates performed. The updated OPCC, including contingencies and allowances, is \$60,874,460, which makes the low bid approximately 0.1% higher than the updated OPCC. The updated OPCC by Bid Item may be found in **Attachment 2**, and the comparison of the lowest bid to the November 2021 and the May 2022 OPCCs may be found as Attachment 1.

Commentary on the variability between bid costs and the estimated cost on a bid item level is also discussed in Attachment 1. **Table 2** summarizes the largest variances for the apparent low bidder.

Table 2 Bid Item Variances for Apparent Lowest Bidder

Bid Item	Description	Engineer's 2022 OPCC	Daniel O'Connell's Sons	Variance from OPCC
1	Mobilization	\$1,878,000	\$2,500,000	33%
2	Chlorine Contact Chamber	\$7,804,000	\$13,497,000	73%
5	108" PCCP Filter Effluent Pipeline	\$14,814,000	\$11,000,000	-26%

The above bid items, from each of the bids, were reviewed for a better understanding of the variances. **Table 3** shows the comparison of variances by other bidders against the price bid by the apparent low bidder. This review indicates that each of bidders may have accounted for uncertainties of current global market conditions in a different manner across bid items.

Table 3 Comparison of Bid Variances

Bid Item	Description	Daniel O'Connell's Sons	Poole & Kent	MCM & MCT JV
1	Mobilization	\$2,500,000	\$2,800,000	\$1,800,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$300,000	\$(700,000)
	Bid Item difference, compared to apparent Low bidder (percentage)	--	12%	-28%
2	Chlorine Contact Chamber	\$13,497,000	\$13,000,000	\$8,300,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$(497,000)	\$(5,197,000)
	Bid Item difference, compared to apparent Low bidder (percentage)	--	-4%	-39%
5	108" PCCP Filter Effluent Pipeline	\$11,000,000	\$18,000,000	\$19,600,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$7,000,000	\$8,600,000
	Bid Item difference, compared to apparent Low bidder (percentage)	--	64%	78%

The bid package did not include a direct response to the requirements outlined in Special Provisions SP 1.0. **While other material included in the package may be used to assess satisfaction of some of those requirements (items a, d, and e), a response to each item under SP 1.0 should be provided.**

A clarification is needed for the references listed on the Proposal Form. It is not apparent how the listed references are tied to list of projects identified as "similar work".

Qualifications submitted by DOC were also reviewed. Of the documents required for submittal with the Bid, it should be noted that a dollar value was not identified on the Bid Bond form. Instead, it

Mr. Paul Adams

May 4, 2022

Page 3 of 5

lists 5% of the amount bid, which should be acceptable. **Table 4** identifies clarifications needed (in boldface text) under "Comments".

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
The Bidder's proposed project manager shall have successfully completed a minimum of two (2) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) greater than \$20 million. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	The Bidder's proposed project manager is Mr. Bailey. Clarification/confirmation that he meets the minimum requirement of 2 completed projects is needed. Projects listed and considered for this experience: ▪ Uxbridge WWTP BNR and Infrastructure upgrade, \$34.6 million, completed Dec 2019. – Project qualifies. Other projects listed do not qualify and/or not enough information is provided. Provide missing project completion dates, missing project scope information, or one (1) qualifying project with project description that aligns with the experience requirement.
The Bidder must have successfully completed a minimum of two (2) projects that have included procurement and installation of process equipment, construction of chlorine contact chambers, and installation of instrumentation and controls including connections into an existing SCADA in wastewater treatment plants with capacities of 10 mgd or larger with secondary treatment process, with this work being performed while maintaining operations of the wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work.	Bidder has wastewater facility experience; however, project description submitted for qualifying projects (5) do not indicate if chlorine contact chambers (CCC) were constructed, I&C work was performed, and connection to existing SCADA. Confirm work performed in each project description aligns with qualification. ▪ Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. Confirm construction of CCCs, and connections to existing SCADA was part of project scope. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm connections to existing SCADA was part of project scope. ▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm construction of CCCs, I&C work, and

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
	connections to existing SCADA work was part of project scope. - Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm construction of CCCs, I&C work, and connections to existing SCADA was part of project scope. - Uxbridge WWTP completed September 2020. New CCCs were not constructed. Existing CCC was converted to UV disinfection. Various I&C components and SCADA were replaced. Provide plant capacity.
In addition, Bidder must have successfully completed at least two (2) projects that included installation of Prestressed Concrete Cylinder Pipe (PCCP) or Ductile Iron Pipe (DIP) 54-inch or larger that have been performed within the past ten (10) years from the date of the invitation to Bid. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work.	Bidder's subcontractor, David Mancini & Sons, meets criteria.
The Bidder or Bidder's instrumentation and Controls Subcontractor shall have successfully completed a minimum of two (2) projects demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work, with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	Multiple projects (5) were submitted for qualification; however, it is not stated in the project description whether connection to existing SCADA, and I&C work was performed by DOC. Confirm bidder will self-perform the instrumentation, controls and SCADA work and confirm scope of work performed for each project description aligns with qualification. - Uxbridge WWTP BNR and Infrastructure upgrade completed Dec 2019. Project appears to qualify. Confirm I&C and SCADA scope was performed by DOC. - Bucklin Point Wastewater Treatment Plant completed Dec 2014, Plant Capacity 46 MGD.

Mr. Paul Adams

May 4, 2022

Page 5 of 5

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
	Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC.

The above clarifications, SP 1.0 statement responses, and clarification for the references on the Proposal Form should be sought from the apparent low bidder, Daniel O'Connell's Sons, for the completion of the evaluation and bid recommendation.

cc: Victor J Pujals, P.E.
Carl Frizzell, P.E.
Eduardo Arispe, E.I.

File: PW.EXT.6430-221058_Rev2.04.15.06

Enclosures:

Attachment 1 – Post Bid Evaluation
Attachment 2 – 2022 Updated OPCC on Bid Form



DOC Responses to ST-2C Chlorine Contact Tank (Contract S-933) – Bid Evaluation and Required Clarifications

The bid package did not include a direct response to the requirements outlined in Special Provisions SP 1.0. **While other material included in the package may be used to assess satisfaction of some of those requirements (items a, d, and e), a response to each item under SP 1.0 should be provided.**

- (a) Bidder has a well-trained and competent organization which has done work of similar character and value;
Two (2) documents entitled "Daniel O'Connell's Sons Water and Wastewater Treatment Projects" and "Daniel O'Connell's Sons Completed Work – Past 5 Years" were submitted with the Bid, see Proposal Form (Page 10 of 12)
- (b) Bidder will have available to do the work at the proper time or times, adequate equipment and facilities, listing such equipment and facilities in such detail that the information can be quickly and accurately checked;
As submitted with the Bid, Proposal Form (Page 8 of 12) states that DOC will rent all necessary equipment for this project. Also, a list of company owned equipment was included.
- (c) Bidder has ample repair parts and supplies to maintain all equipment and facilities properly and with a minimum of delay;
As stated above DOC will rent all necessary equipment for this project, therefore any required repair parts or supplies will be readily available from the local rental establishments.
- (d) If the Bidder is a corporation, the names of all corporate officers and the name of the executive who will give his personal attention to this work;
This information was submitted with the Bid, see Proposal Form (Page 8 of 12)
- (e) Detailed financial information relating to the resources of the Bidder.
This information was submitted with the Bid, see Proposal Form (Page 9 of 12)

A clarification is needed for the references listed on the Proposal Form. It is not apparent how the listed references are tied to list of projects identified as "similar work".

Proposal Form (Page 8 of 12) asks for a "list of references who are qualified to judge as to his financial responsibility and his experience in work of similar nature to that bid". DOC listed two financial references specifically;

- Peoples Bank of Holyoke, MA – DOC's company bank.
- The Watts Group – DOC's insurance and bonding agent.

Individual Owner/Engineer references for "similar work" are included in the submitted Bid in the section entitled "Minimum Contractor Experience" each project has contact information for both the owners and design engineers.

The Bidder's proposed project manager is Mr. Bailey. Clarification/confirmation that he meets the minimum requirement of 2 completed projects is needed.

Projects listed and considered for this experience:

- Uxbridge WWTP BNR and Infrastructure upgrade, \$34.6 million, completed Dec 2019. – Project qualifies.

Other projects listed do not qualify and/or not enough information is provided. **Provide missing project completion dates, missing project scope information, or one (1) qualifying project with project description that aligns with the experience requirement.**

Please see Mr. Bailey's revised resume that includes completion dates for relevant projects.

- MWRA #7396 Scum Skimmer Replacement at Deere Island , Boston, MA, \$20 Million, completed March 2017

Bidder has wastewater facility experience; however, project description submitted for qualifying projects (5) do not indicate if chlorine contact chambers (CCC) were constructed, I&C work was performed, and connection to existing SCADA. Confirm work performed in each project description aligns with qualification.

- Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. **Confirm construction of CCCs, and connections to existing SCADA was part of project scope.**
Confirmed – Connections to existing SCADA was part of the project scope.
There was no construction of CCC's on the project.
- MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. **Confirm connections to existing SCADA was part of project scope.**
Confirmed – Connections to existing SCADA was part of the project scope.
- Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. **Confirm construction of CCCs, I&C work, and connections to existing SCADA was part of project scope.**
Confirmed – I&C work and connections to existing SCADA was part of the project scope.
There was no construction of CCC's on the project.
- Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. **Confirm construction of CCCs, I&C work, and connections to existing SCADA was part of project scope.**
Confirmed – Construction of CCC's, I&C work and connections to existing SCADA was part of the project scope.
- Uxbridge WWTP completed September 2020. New CCCs were not constructed. Existing CCC was converted to UV disinfection. Various I&C components and SCADA were replaced. **Provide plant capacity.**
Plant Capacity 6 MGD

***See Revised Minimum Contractor Experience (attached) along with qualifications for proposed I&C Subcontractors**

Multiple projects (5) were submitted for qualification; however, it is not stated in the project description whether connection to existing SCADA, and I&C work was performed by DOC. **Confirm bidder will self-perform the instrumentation, controls and SCADA work and confirm scope of work performed for each project description aligns with qualification.**

- Uxbridge WWTP BNR and Infrastructure upgrade completed Dec 2019. **Project appears to qualify. Confirm I&C and SCADA scope was performed by DOC.**
I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by Instrumentation Subcontractor.
Confirmed – Scope of work performed for this project aligns with qualifications.
- Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. **Confirm I&C and connections to existing SCADA scope was performed by DOC.**
I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by Instrumentation Subcontractor.
Confirmed – Scope of work performed for this project aligns with qualifications.
- MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. **Confirm I&C and connections to existing SCADA scope was performed by DOC.**
I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by Instrumentation Subcontractor.
Confirmed – Scope of work performed for this project aligns with qualifications.
- Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. **Confirm I&C and connections to existing SCADA scope was performed by DOC.**
I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by Instrumentation Subcontractor.
Confirmed – Scope of work performed for this project aligns with qualifications.
- Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. **Confirm I&C and connections to existing SCADA scope was performed by DOC.**
I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by Instrumentation Subcontractor.
Confirmed – Scope of work performed for this project aligns with qualifications.

***See Revised Minimum Contractor Experience (attached) along with qualifications for proposed I&C Subcontractor**



ESTABLISHED 1879

Miami-Dade County
Water and Sewer Department Chlorine
Contact Tank (ST-2C)
South District Wastewater Treatment Plant

Contract No. S-933

Minimum Contractor Experience (Revised)

Daniel O'Connell's Sons has been in continuous operation since 1879 and offers a full range of construction services, especially providing heavy and civil services to state, municipal and federal entities.

In response to the Minimum Construction Experience of the Contractor section required by SP 1.3 of the Special Provisions and by Section 01 10 00, we have chosen five (5) comparable projects completed by DOC as prime contractor. The **MFN Regional Wastewater Treatment Facility Upgrade**, the **Charles River Water Pollution Control Facility Phase 3 Upgrades**, the **Bucklin Point Wastewater Treatment Facility Upgrade**, and the **Field's Point Wastewater Treatment Facility Upgrade** projects were completed in the last ten (10) years at wastewater treatment facilities with capacities of 10-MGD or larger with secondary treatment processes while maintaining operations of the facilities. The projects also included installation of instrumentation and controls including connections into an existing SCADA. I&C field equipment/devices were installed by DOC. The balance of the I&C and SCADA scope was performed by the instrumentation subcontractor. The **MFN Regional Wastewater Treatment Facility Upgrade**, the **Charles River Water Pollution Control Facility Phase 3 Upgrades**, and the **Uxbridge WWTP BNR & Infrastructure Upgrade** projects additionally included construction of chlorine contact chambers.

We have also included the qualifications of our **proposed Project Manager, Robert Bailey**, whose experience includes the Uxbridge WWTP and the MWRA #7396 Deer Island Scum Skimmers projects—both large wastewater treatment upgrade projects managed in the last 10 years with values greater than \$20 Million, and our **proposed subcontractors**. Our PCCP sub has successfully completed at least two (2) projects that included the installation of Prestressed Concrete Cylinder Pipe (PCCP) or Ductile Iron Pipe (DIP) 54-inch or larger, and our I&C subcontractor will perform the instrumentation and SCADA requirements for the project.

The following pages provide detailed information including references for our comparable projects and proposed Project Manager.

May 2022—Clarifications

DANIEL O'CONNELL'S SONS
General Contractor Services

Mansfield-Foxboro-Norton Regional Water District

MFN Regional Wastewater Treatment Facility Upgrade

Norton, Massachusetts



Project Overview

Construction of improvements to the existing 10 MGD wastewater treatment plant included construction of a new primary clariflocculator, new primary sludge pump station, new anoxic tanks, new secondary clarifier, and new chlorine contact tank. Additional work included replacement of the influent pumps, modifications to the primary sludge pump station, aeration tanks, activated sludge pump station, and effluent filters, replacement of the plant water system and all chemical feed systems, removal of the sludge processing equipment, and **construction of new chlorine contact tank and effluent pump station including chemical mixers, baffles, gates, fixed weirs, submersible effluent pumps, meter vault, parshall flume, and all associated piping and valves, electrical, and instrumentation.**

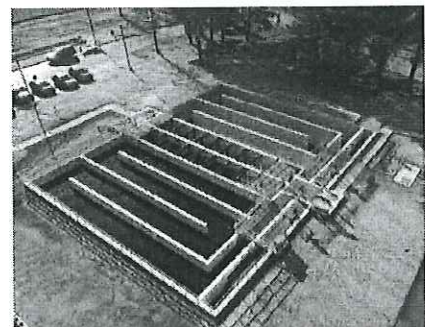
Electrical upgrade work included construction of electrical power distribution and control facilities for the plant, installation of medium voltage power supply systems including transformers and switchgear. Also included process building improvements, drainage and site improvements, demolition, site work, yard piping, plumbing, fire protection, HVAC, electrical and instrumentation and controls. **I&C work included upgraded equipment tie-in to existing Allen Bradley ControlLogix PLC system.**

Owner
**Mansfield-Foxboro-Norton
Regional Water District
Lee Azinheira
Executive Director
508-261-7462**

Designer
CDM Smith

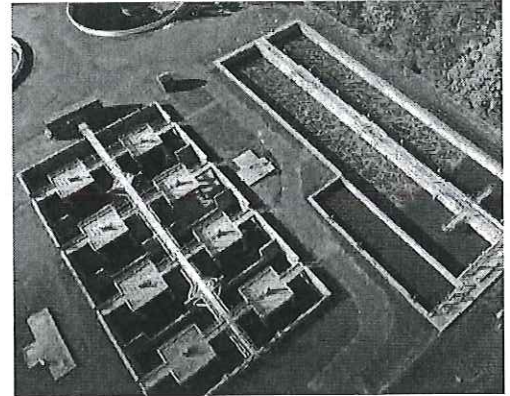
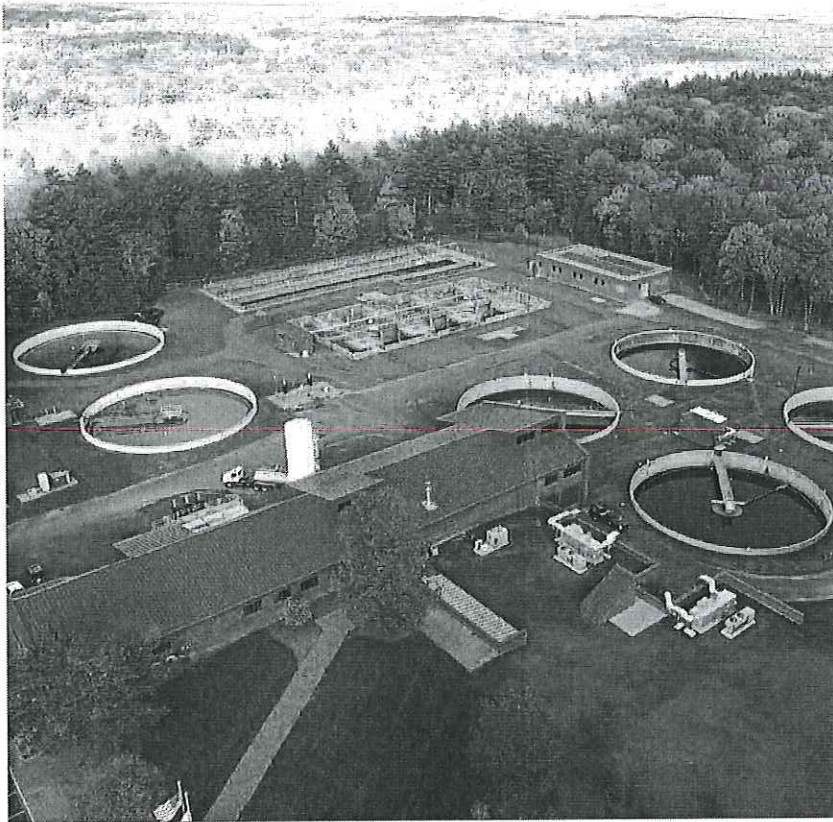
Cost
\$30,086,400

Completed
December 2019





2025 RELEASE UNDER E.O. 14176



Charles River Water Pollution Control Facility Phase 3 Upgrades

Year Completed:
2014

Construction Cost:
\$19,691,570

Construction Duration:
Construction Start / End:
April 2014

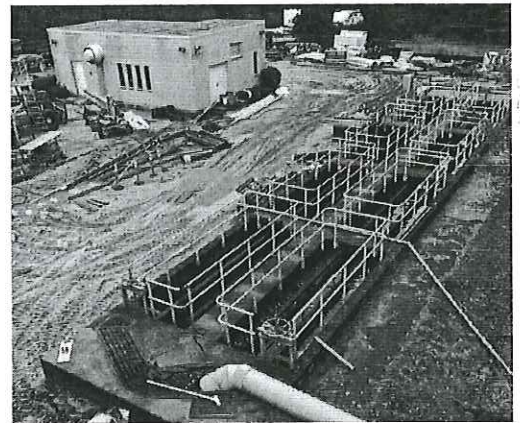
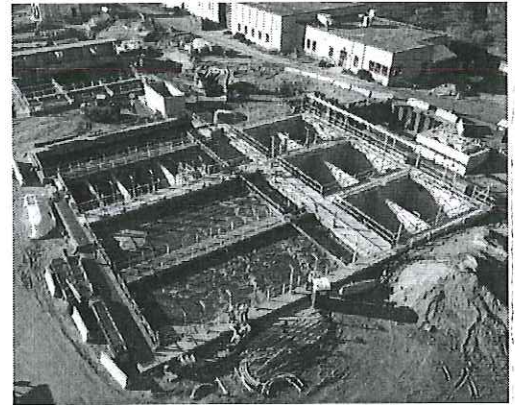
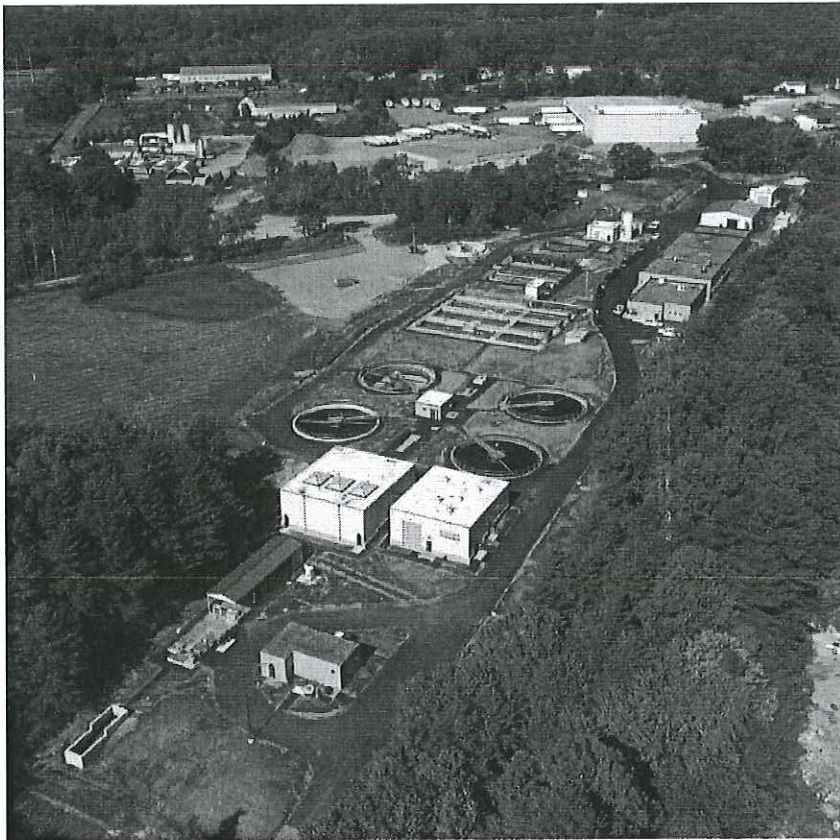
Substantial Completion:
August 2016

Client:
Charles River Pollution
Abatement District
Elizabeth Taglieri, P.E.

Designer:
CDM Smith
Thomas Casey, Project Manager
617-452-6000

This project consisted of renovations to an existing **10.1 MGD** facility and replacement of systems and equipment while the plant remained in active service. The upgrades involved a variety of challenging tasks including bypass pumping, deep excavations to tie in large diameter yard piping and replacement of control systems and mechanical processing equipment without disturbing the daily operation of the plant.

The Phase C project included the following major process improvements: 1) enhancement of the secondary treatment system to accommodate an A/O (anoxic/oxic) biological nutrient removal process mode via reconfiguration of aeration tanks and diffusers, addition of mixers, replacement of mechanical aerators with new mixer/aerators, and addition of new blowers; 2) the installation of a new AquaDiamond cloth filter in the location of one of the existing gravity sand filters; 3) **conversion of existing chlorine contact tanks to accommodate modifying the disinfection system from chlorine gas to sodium hypochlorite**; and 4) installation of a new gravity belt thickener to supplement the existing solids handling process. In addition, two mechanical bar screens will be replaced, one new and one replacement raw wastewater pump were installed, and a total of 16 primary, waste and return activated, and thickened sludge pumps were replaced. **Upgrades to the plant-wide electrical and supervisory control and data acquisition (SCADA) systems was also included**, as well as the creation of a secured control room in the administration building. Heating, ventilation and air conditioning (HVAC) improvements were also included as well as masonry repairs and roof replacements.



Uxbridge WWTP BNR and Infrastructure Upgrade - Uxbridge, MA

Construction Cost:
\$34,604,926

Construction Duration:

Construction Start / End:
June 2017

Substantial Completion:
December 2019

Client:
Town of Uxbridge, MA
Benn S. Sherman
508-278-8616

Designer:
GHD, Inc.
Mark Drainville
774-470-1630

This project for the Town of Uxbridge involved the complete renovation of the existing Wastewater Treatment Plant built in 1979. The construction included new Filtration and Chemical Buildings, a new circular Sludge Thickening Tank, a new Circular Secondary Clarifier, and a new Garage Facility. The existing three Aeration Basins were enlarged and a fourth Aeration Basin was constructed. The two existing chlorination basins were converted to UV Disinfection and post-aeration. Yard piping and mechanical and electrical components such as plant switchgear, instrumentation, controls and SCADA were replaced throughout the plant. As the plant remained operational throughout the project, multiple temporary bypass pumping locations were installed to enable plant processes to continue.

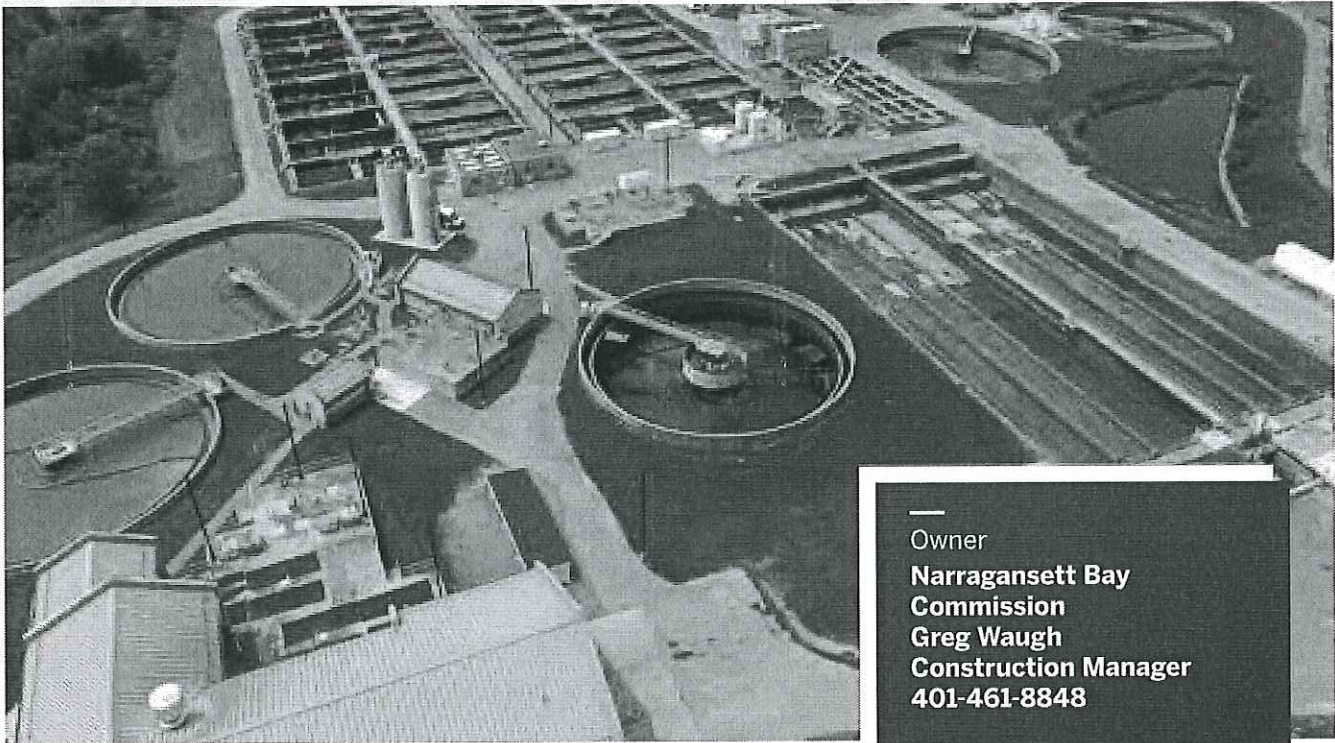
Narragansett Bay Commission

Bucklin Point Wastewater Treatment Plant

East Providence, RI



ESTABLISHED 1879



Project Overview

Bucklin Point is a 46 MGD wastewater treatment facility in East Providence, RI. The major plant improvements installed under this project included a new plant wide power distribution system, six new secondary clarifiers, two new sludge thickeners, modifications to the existing aeration systems, two new high speed turbo blowers, new chemical feed systems, new sludge pumping station, and new vehicle storage building. Work also included cleaning of digester tanks and replacement of digester mixers.

Work around the new power distribution system included construction of medium voltage electrical power distribution and control facilities for the plant, including transformers and switchgear, and installation electrical equipment rated for 13.2 KV and 480V power supply. **Instrumentation work included upgrades throughout the plant and tie-in to existing SCADA.**

Owner

**Narragansett Bay
Commission
Greg Waugh
Construction Manager
401-461-8848**

Designer

**CDM Smith
William McConnell, P.E.,
BCEE
401-751-5360**

Cost

\$34,600,000

Completed

December 2014





Fields Point Wastewater Treatment Facility - Providence, RI

Project Size:
77 MGD

Construction Cost:
\$56,076,000

Construction Duration:
Construction Start / End:
April 2010

Substantial Completion:
December 2013

Client:
Narragansett Bay Commission
Greg Waugh
401-461-8848

Designer:
Kleinfelder
Dave Peterson
617-497-7800

Daniel O'Connell's Sons was the general contractor for this portion of the combined sewer overflow system installed for Narragansett Bay. New and upgrade work associated with biological nitrogen removals. Includes upgrades to plant water and primary/ secondary clarifiers; grit handling facilities; gravity thickeners and aeration tanks; a new operations, screening and caustic building with blower building modifications and screw lift replacement; **as well as instrumentation and control systems upgraded throughout the plant.** The plant can provide full treatment to 77 MGD. Typical daily amounts treated range from 30 MGD to 45 MGD. The plant also provides wet weather treatment as necessary through a chlorination process.

Robert Bailey

Project Manager



Education

**Bachelor of Science
Civil Engineering**
Northeastern University

Certifications

- » Massachusetts Department of Public Safety - Construction Supervisors License: CS80270
- » Safety Training: 40 Hr Hazardous Waste Site Operations, Confined Space Competent Person, Scaffolding, Trenching and Shoring, and First Aid/CPR.
- » OSHA 10 & 30 Hour Training

References

Michael Sorrentino
Senior Associate
Stantec
781-221-1089

Terrance Flynn
Massachusetts Water
Resources Authority
617-839-5349

Frank Woodfall
Keville Enterprises, Inc.
781-534-0645

Profile

Robert Bailey has over 30 years of experience in the construction industry and started working for Daniel O'Connell's Sons in 2015.

Key Strengths

- » Adept at coordinating and leading the entire project team, and generating accurate project reports and exercising project controls.
- » Proficient in the use of electronic project management methods, and in budgeting, cost accounting and scheduling.
- » Ability to develop collaborative relationships with clients, architects, and trade contractors.
- » Proven ability to ensure the delivery of successful project outcomes for large and complex mechanical projects.
- » Strong personal working relationships with trade contractors.

Project Experience

- » **Orleans Downtown WWTF and Effluent Disposal Phase 1, Orleans, MA:** This \$32,786,000 million project involves the construction of a 245,400 GPD sequencing batch reactor (SBR) wastewater treatment facility and effluent disposal consisting of 5 wick wells. The design will remove conventional pollutants (BOD and TSS) and significantly reduce the amount of total nitrogen in the effluent prior to groundwater discharge. This project was delivered via Chapter 149. Anticipated completion August 2022.
- » **Uxbridge Wastewater Treatment Plant BNR Upgrades, Uxbridge, MA:** This \$35 million project provided upgrades to a 1.5 MGD wastewater treatment plant, which added MLE treatment and filtration for nutrient removal. Other improvements included equipment replacement for existing preliminary treatment processes, equipment replacement for the existing main pumping station, and construction of a new secondary aeration basin. Completed December 2019.
- » **Clinton WWTP Phosphorous Reduction Facility, Clinton, MA:** This \$7 million construction project of a new Phosphorous Reduction Facility included a new building to house three new Westech disc filter units, 15-40hp submersible pumps, interconnecting 36" yard piping to the existing discharge structure, bypass pumping, and conversion of existing plant heating systems from oil to natural gas. Completed September 2018.
- » **MWRA # 7396 Scum Skimmer Replacement, Deer Island, Boston:** This \$20 million project consisted of the replacement of 196 SST tip tubes and actuators for all primary and secondary clarifiers, including wiring and programming changes. Completed March 2017. *
- » **MWRA #6245 N. Dorchester Bay CSO Pump Station & Sewers, S. Boston, MA:** This \$26 million project consisted of the installation of slurry wall and 70ft deep excavation for Pump Station foundation. Placement of 3000+ CY of foundation, construction of CMU and brick Pump House. Installation of 250HP dry pit submersible pumps capable of 15MGD, trash screen/rake equipment, odor control equipment and SCADA system. Jacking of 100 LF of 60" carrier pipe for 36" PVC supply from existing tunnel. Installation of 3,200 LF 24" DI force main and 640 LF of 30" gravity sewer within active Boston city streets. Site restoration and paving of four-acre area. Completed June 2012. *

*Completed with another firm



DAVID MANCINI & SONS, INC.
PRESSURE PIPE LARGE DIAMETER

YEAR	PROJECT DESCRIPTION	OWNER	PIPE DIAMETER	PIPE MATERIAL	PIPE USE	FOOTAGE	DETAILS	DMS's PM	OWNER REPRESENTATIVE	ENGINEER OF RECORD	PROJECT VALUE
2016	Design-Build 54-inch Redundant Force Main at Miami Beach.	City of Miami Beach Bruce Mowery, P.E. Mobile (385) 262-4943 bmowery@att.net	54-inch	HDPE	FM	4,400	World Record Directional Drill	Fabio Angarita	Igor Vassiliev, P.E	Roger Williams, P.E. - AECOM (DCP) Arnelio Alfonso, P.E. - APCTE (EOR)	\$ 10,400,000
			54-inch	PCCP	FM	1,111	Value Engineering Saved \$4 M and delivered Design Build within Budget				
2017	Construction of 48-inch PCCP Water Transmission Main for Area N.	WASD Alexis Valdes Mobile (786)299-9008 alexis.valdez@miamidade.gov	48-inch	PCCP	WM	15,300	Alternates eliminated Impactful microtunnels and saved County \$10 M	David Mancini, Jr.	Alex Valdez	Arnelio Alfonso, P.E. - APCTE	\$ 8,900,000
2017	Replacement of Existing 54-inch Sanitary Sewer Force Main at Central/District Wastewater Treatment Plant on Virginia Key	WASD Gary Clark Mobile (305) 205-6980 gary.clarke@miamidade.gov	60-inch	PCCP	FM	2,700	Included bypass of entirety of City Miami Beach's Sewage and connection to Grit Chamber. Included connections to Hobas Tunnel & vertical PCCP pipe installation in Tunnel Shafts	David Mancini, Jr.	Gary Clarke	Eloy Ramos, P.E. - NICHOLSON CONST.	\$ 7,135,000
2018	Design-Build 48-inch PCCP Force Main along North Miami Avenue	WASD James Ferguson, P.E. Mobile (786) 552-8756 james.ferguson@miamidade.gov	48-inch	PCCP	FM	13,000	Design Build through Urban Corridor(s) and utility infested Midtown Miami, Miami Design District, and Wynwood.	David Mancini, Jr.	Neil Wilson, P.E	Roger Williams, P.E. - AECOM	\$ 22,019,000
2018	Construction of 42-inch water Main from Biscayne Blvd to the new Port of Miami Terminal A	WASD Gary Clarke Mobile (305) 205-6980 Gary.Clark@miamidade.gov	42-inch	DIP	WM	9,740	Eliminated expensive and Impactful to Royal Caribbean Operations Micro-Tunnel by soundly coordinating Open-Cut and track replacement with FEC.	Fabio Angarita	Gary Clarke	Rodrigo Pigna, P.E. - WSP	\$ 15,200,000
2019	Emergency pipe repair of a 72-inch and 54-inch Force Main at Biscayne Blvd and NE 156 Street	WASD Alexis Valdes Mobile (786)299-9008 alexis.valdez@miamidade.gov	72-inch and 54-inch	PCCP	FM	40	72-inch & 54-inch Linestops and 72-inch & 54-Inch Repair Assemblies. Unknown Interior Liner in pipe caused emergency bypass operation and repair "in-the-wet".	David Mancini, Jr.	Alex Valdes	David Vazquez, P.E. - WASD	\$ 4,424,000
2019	Emergency Linestops and Bypass on 48-inch PCCP Force Main crossing the Oleta River at Biscayne Blvd and NE 163 Street	WASD David Vazquez, P.E. Mobile (786) 552-4447 david.vazquez@miamidade.gov	48-inch	RCP	FM	1,000	2-48-inch Linestops and 1,000 LF Bypass	David Mancini, Jr.	Alex Valdes	David Vazquez, P.E. - WASD	\$ 6,365,000
			42-inch	HDPE HDD	FM	800	Emergency Design Build 800 LF HDD and 1,000 OPEN CUT Replacement Foremain				
2019	Emergency 42-inch Water Main Repair near Fort Lauderdale Executive Airport	City of Fort Lauderdale Rick Johnson Mobile (954) 258-3862 rjohnson@fortlauderdale.gov	42-inch	PCCP	RWM	20	42-inch Repair Assembly	David Mancini, Jr.	Omar Castellon, P.E.	Omar Castellon, P.E. - City of Fort Lauderdale	\$ 155,000
			54-inch	HDPE	FM	3,800	Emergency Design Build 13,000 LF HDD 2,000 Open Cut - World Record Directional Drill	David Mancini, Jr.	Omar Castellon, P.E.	Arnelio Alfonso, P.E. - APCTE	\$ 36,000,000
Total Linear Feet of Pipe						52,711					



CUSTOMER REFERENCE

GEORGIA PACIFIC

Foley Cellulose Wastewater Treatment Plant Modifications

1 Buckeye Drive

Perry, FL 32348

Owner Representative:

Chet Thompson, P.E., Program Mgr.
Georgia Pacific-Foley Cellulose LLC
1 Buckeye Drive, Perry, FL 32348 750
Phone: (850) 556-6655
E-Mail: Chet.Thompson@gapac.com

Contractor Representative:

Sloan Hagerty, P.E., Project Mgr.
Wharton-Smith, Inc.
Monroe Rd., Sanford, FL 32771
Phone: (407) 230-4959
E-Mail: shagerty@whartonsmith.com

Year of Project Completion: 2019

Contract Amount: \$1,348,939.50

Description of Services Provided

Revere provided the following equipment and services for the Georgia Pacific Foley Cellulose Wastewater Treatment Plant Project: Field Instrumentation, Network Equipment, Control Panels, Factory/Field Testing, Startup and Commissioning Services.

The following field instrumentation was provided and commissioned:

- Level Instruments – Float Switches, Ultrasonic Level Transducers/Transmitters,
- Pressure Instruments – Gauges, Diaphragm Seals, Switches, Differential Pressure Transmitters, Pressure Transmitters
- Temperature Instruments – Switches, RTD Sensors, Thermowells, Transmitters
- Flow Instruments – Magnetic Flowmeters/Transmitters
- Analytical Instruments – Microwave Density Meters

The following computer and network equipment were provided:

- Fiber Optic Cable (Multi-Mode and Single Mode)
- Laptop Computer

The following Control Panels were provided for the project.

- Backwash System Solenoid Valve Box
- Clarifier Influent Pump Monitors Panel
- Cooling Tower Influent Pump Monitors Panel
- Dewatering Building Network Cabinet
- Network Communication Panel
- Waste Acid Smoothing Tank Solenoid Valve Box
- Wastewater Treatment LCP-1 PLC Panel
- Wastewater Treatment LCP-2 PLC Panel
- Remote IO Panel RCP-1

PLC programming was provided by Revere for the Allen Bradley ControlLogix PLC Controllers using Rockwell Software RSLogix5000 as the programming software. Allen Bradley Panelview Plus 7 terminals were provided as local Operator Interface Terminals (OITs) using the Rockwell Software FactoryTalk View Machine software.

Modifications to the Plant's Honeywell Distributed Control System (DCS) was provided by a subcontractor.



CUSTOMER REFERENCE

**JEFFERSON COUNTY, ALABAMA
ENVIRONMENTAL SERVICES DEPARTMENT
Cahaba and Trussville Wastewater Treatment Plants and
Al Seier Pump Station Phase II Improvements
325 City Hall Drive
Trussville, AL 35173**

Owner Representative:

Name: Jeremy Creel
3900 Veona Daniels Road
Birmingham, AL 35244
Phone: (205) 965-4785
E-Mail: creelj@jccal.org

Contractor Representative:

Gabe Jackson, P.E.
Brasfield & Gorrie, LLC
3021 7th Ave. S., Birmingham, AL 35233
Phone: (205) 714-1524 Cell: (205) 901-3930
E-Mail: gjackson@brasfieldgorrie.com

Contract Start Date: June, 2016

Contract Completion Date: April, 2018

Original Contract Amount: \$1,400,228.00

Final Contract Amount: \$1,491,373.00

County Requested Change Orders: \$91,145.00

Revere Project Team Members:

James Noe, Project Manager
Derick Lamar, Engineering Group Manager (Panel Design, PLC/HMI Programming)
Jarred Sherrer, Project Engineer (Panel Design, PLC/HMI Programming, Startup)
Jarred Sherrer, Project Engineer (HMI Programming, Startup)
Kurt Hand, Field Service Technician (Instrument Calibrations, Startup)

Description of Services To Be Provided

Revere provided Field Instrumentation, PLC/RTU Control Panels, PLC/HMI Programming, Factory/Field Testing, Startup and Commissioning Services, Owner Training for the Cahaba and Trussville Wastewater Treatment Plants and Al Seier Pump Station Phase II Improvements Project.

Cahaba River WWTP I&C and SCADA Upgrades included:

PLC Control Panels:

- GATE-PLC New M340 (IPS - New subpanel in New Hydraulic CP)
- ALUM-PLC New M340 (Aluminum Sulfate equipment area)
- BNR2-PLC New M340 (BNR Elec. Rm. Replacement for EIMCO PLC)
- POLY-PLC New M340 (Filter Aid Polymer area, New)
- STPS-PLC New M340 (Sludge Transfer Pump Station, New)
- GEN-PLC M340 Retrofit (Generator Bldg, RTU-CPGE)
- ADBBB-PLC M340 Retrofit (Aeration Blwr Bldg, RTU-CPBL)
- BW-PLC M340 Retrofit (Old Primary Clarifier Bldg, RTU-BW)
- MRB-PLC M340 Retrofit (Maintenance Repair Bldg, RTU-CPCL)
- SPS-PLC QUANTUM Retrofit (Smoothing PS, RTU-SPS)
- IPS-PLC QUANTUM Retrofit (Influent PS, RTU-CPIN)
- BNR-PLC QUANTUM Retrofit (BNR Elec. Bldg, RTU-BNR)
- RAS-PLC M340 Retrofit (Sludge PS Bldg, RTU-RAS)
- FB-PLC M340 Retrofit (Filter Bldg, RTU-FB)
- GRIT-PLC (Integrate remaining I/O from Demoed RTU-FBG)



CUSTOMER REFERENCE

Local Control Panels:

- FP-9010 Cahaba Alum Fill Panel
- FP-9600 Cahaba STPS Ferric Chloride Fill Panel
- Cahaba Effluent Flow Signal Splitter Panel

Trussville WWTP I&C and SCADA Upgrades included:

PLC Control Panels

- PLC-PW New Enclosure Only (Relocate Old PWPS RTU-D)
- PLC-DW New M340 (Dewatering Bldg) - New Control Panel
- PLC-IP New I/O - Existing Quantum (Retrofit in Old RTU-E)
- PLC-PW New I/O - Existing M340 (Plant Water Pump Station - Old RTU-D)
- PLC-GB New I/O - Existing M340 (Generator Bldg - Old RTU-A)
- PLC-RP New I/O - Existing M340 (RAS/WAS Bldg - Old RTU-B)

Local Control Panels

- FP-9010 Trussville Alum Fill Panel

AI Seier Pump Station I&C and SCADA Upgrades included:

- PLC Control Panels
- PLC-ASPMP New M340 (Replaces Old RTU -ASPMP)
- LCP-0195

Field equipment included the following:

Flow Meters (Magnetic, Thermal Dispersion Mass Transit Time Ultrasonic)

Flow Switches (Vane Actuated, Thermal Dispersion)

Ultrasonic Level / Differential Level Meter

Float Switches (Process, Containment)

Laser Level Transmitter

Pressure Gauges, Pressure Switches, Pressure Transmitters

Analyzers (Ammonia, Dissolved Oxygen, Oxidation Reduction Potential)

Combustible Gas/ LEL Detector

Low Range Turbidimeter

Fiber Optic Cable

A Factory Acceptance Test was performed to include the PLC Control Panels, PLC Control Logic and HMI Application. Revere provided site support services for instrument calibration, I/O checkout and functional control logic testing and demonstration.

PLC Hardware Platform: Schneider Quantum, M340

HMI Software: Citect SCADA, Modicon Unity Pro



CUSTOMER REFERENCE

HILLSBOROUGH COUNTY, FLORIDA
Northwest Regional Water Reclamation Facility Expansion
11005 Dale Stitik Drive
Tampa, FL 33626

Owner Representative:

Alfonso Higareda
11005 Dale Stitik Drive
Tampa, FL 33626
Phone: (813) 264-3906
E-Mail: higaredaa@HillsboroughCounty.org

Contractor Representative:

Jorge Quinonez, Asst. Project Mgr.
Garney / Wharton-Smith Joint Venture
750 Monroe Road, Sanford, FL 32771
Phone: (407) 321-8410
E-Mail: jquinonez@whartonsmith.com

Year of Project Completion: 2020

Contract Amount: \$3,266,514.66

Description of Services Provided

Revere assisted the Garney / Wharton-Smith / TetraTech Team in the design and implementation of the Northwest Regional Water Reclamation Facility Expansion Project. Revere's Project Management and Engineering Team Members reviewed and assisted with the 90% and 100% design documents including Piping & Instrumentation Diagrams (P&ID Drawings), Process Instrumentation and Control Systems Specifications.

Revere provided the following equipment and services for the Hillsborough County Northwest Regional WRF Expansion Project: Network Equipment, PLC Control Panels, PLC Programming, OIT Programming, HMI Programming, Factory/Field Testing, Client Training, Startup and Commissioning Services.

The following computer and network equipment were provided:

- Fiber Optic Cable (Multi-Mode) including Termination and Testing
- Two (2) SCADA Servers
- One (1) Historian Server
- Two (2) Client Workstations
- Network Rack with Fiber Patch Panel, Ethernet Switch and Uninterruptable Power Supply (UPS)

The following Control Panels were provided for the project:

- Three (3) PLC Control Panels – PLC-8/10 Transfer and Effluent Pump Station, PLC-9/15 Headworks, Clarifier and Equalization, PLC-11/12 BNR Systems
- Local Control Panels – Sodium Hypochlorite Fill Panel and Diesel Fuel Tank Fill Panels

PLC programming was provided by Revere for the Allen Bradley ControlLogix PLC Controllers using Rockwell Software RSLogix5000 as the programming software. Allen Bradley Panelview Plus 7 terminals were provided as local Operator Interface Terminals (OITs) using the Rockwell Software FactoryTalk View Machine software.

Modifications to the County's Existing Citect SCADA Human Machine Interface (HMI) Application were performed by Revere including the expansion project including the development and inclusion of new graphical displays and database points.

Revere coordinated with equipment suppliers to interface process equipment with the Plant Control Systems. Two (2) monthly site visits were provided during the first year of operations to perform requested changes and system maintenance.



CUSTOMER REFERENCE

FORT POLK, VERNON PARISH, LOUISIANA
Fort Polk – North & South WWTP
9405 Georgia Avenue
Fort Polk, LA 71459

Owner Representative:

Robert W. Dohoney, Regional Director
Of Operations
Phone: (337) 537-1161
E-Mail: Robert.Dohoney@amwater.com

General Contractor Representative:

MWH Constructors
Ted Michaelidis, Project Manager
Phone: (916) 761-7854
E-Mail: Ted.Michaelidis@jacobs.com

Year of Project Completion: July 2017

Percent Performed by Revere: 100%

Contract Amount: \$2,492,523.00

Description of Services Provided

Revere has provided services to complete the Instrumentation & Control Design with MWH from the 60% design level to the 100% design level. The following deliverables were prepared by Revere to complete the 100% I&C design phase in July 2014.

- Equipment Listing and Data Sheets
- Division 17 Specifications
- I/O Listing
- Network Topology
- Coordination with Vendor Packages
- Coordination with Electrical/Mechanical Disciplines

Revere has completed the design and implementation of the I&C Scope of Work including the following deliverables and tasks.

- Field Instrumentation Submittal
- PLC Control Panel Hardware and Drawings Submittal
- Computer Hardware/Software Submittal
- Software Submittal (Control Strategies and Graphic Displays)
- Control System Test Plan Submittal
- Training Plan Submittal
- Spare Parts and Tools Submittal
- Operations & Maintenance Manuals
- PLC Programming – Rockwell Software RSLogix 5000
- HMI Programming – Wonderware System Platform
- Factory Acceptance Testing
- Field Testing, Startup and Commissioning
- Client Training

During the installation, startup and commissioning phase, Revere performed a detailed I/O checkout and testing of the PLC Control Panels, calibration of field instruments, established communications and verification of the functional control strategies. Coordination with equipment suppliers also took place as part of the onsite support services. In an effort to provide additional support and service to the Plant Operations Staff, Revere provided daily onsite support during the sixty (60) day site acceptance test period. This allows the Owner to develop confidence in and knowledge of the newly installed control system.

I&C Consulting Engineers

2900 NW 112th ST Doral FL 33172 | Ph: 786.942.5685 | E-mail: business@iandcce.com | Web: www.iandcce.com



Projects

- Instrumentation and Control Wiring verification projects as EMERSON subcontractor (since 2015 to date)

Scope of Work (System Integrator) for each project:

- Revise the EMERSON loop drawings.
- Field loop check with the Electrical Contractor (EC) to check the control wiring.
- Assist the EC/GC on control system wiring and configuration.
- Detect loop drawings inconsistencies with the instruments/devices installed.
- Instruments / Equipment Troubleshooting.
- Provide the Certificate of Proper Installation for the instruments/devices.
- Field loop check with MDC to certify the control wiring system.
- Start-Up
- Operator Training (if needed).

Finished Projects:

1. CD 2.19 CDWWTP Co-Gen RTU S-891
2. CDWWTP Co-Gen S-891, RTUCD18
3. CD 3.02(2) PRIMARY CLARIFIERS AND ODOR CONTROL UPGRADES. S-895.
4. CD 2.03 AND 2.04 PUMP VENT STATION 1 UPGRADE, 2.18(1) ODOR CONTROL SYSTEMS, 2.24(2) GAS MONITORING AND 2.25(2) VENTILATION IMPROVMENTS.
5. CD 1.07 SDWWTP DIGESTER AND CONTROL BUILDING UPGRADES, ACID PHASE AND SUB STATIONS 7 & 8.
6. ACID/GAS PHASE DIGESTION MODIFICATIONS PACKAGE 1 – DIGESTER 1&2, ACID PHASE CLUSTER. SD-14, S-897.
7. MD-WASD S-892 - CD34

Current Projects:

1. MD-WASD S-892 - CD34
2. MD-WASD S-892 - CD35
3. MD-WASD S-895 ND10
4. MD-WASD S-897 - SD19
5. MD-WASD S-897 SD26
6. MD-WASD S-897 SD41

EMERSON Contact: Michael Nicholas- Michael.Nicholas@emerson.com, Paul Ansar - Paul.Ansara@Emerson.com.

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- MICCOSUKEE TRIBE. WTP Upgrades (2021)

Function: System Integrator

Design and implement the SCADA system. PLC programming, HMI programing, generate loop drawings, loop check, and start-up.

Design, build and provide the new Main Control Panel, Local Control Panels, and Instruments.

Contact: Guy Barrett. GuyB@miccosukeetribe.com, (305) 223-8380 Ext. 2275

- SEMINOLE TRIBE. SCADA Master Plan - Update (2021)

Function: System Integrator

Reprogram the PLC logic and HMI using the new modules created for the SCADA Master Plan.

Contact: Pedro Mena. PedroMena@semintribe.com, (954) 237-9292

- MICCOSUKEE TRIBE. WTP SCADA SYSTEM DESIGN AND IMPLEMENTATION (2015)

Function: System Integrator. Control Strategy Design and implementation of the SCADA system. PLC programming, HMI programing, Instruments Commissioning and, Control panels modifications.

Contact: Guy Barrett. GuyB@miccosukeetribe.com, (305) 223-8380 Ext. 2275



Memorandum

To: Paul Adams, Manager Construction Contract Division MDWASD

From: Layla Llewelyn, P.E. CDM Smith 

Date: May 4, 2022

Subject: ST-2C Chlorine Contact Tank (Contract S-933) - Bid Evaluation and Required Clarifications

The bid opening for Contract No. S-933, Miami-Dade Ocean Outfall Legislation (OOL) Program Project ST-2C, Chlorine Contact Tank, took place on April 27, 2022, at 2:00 PM via MS Teams. Three bids were received, as listed in **Table 1** below.

Table 1 Bid Tabulation Summary

Company Name	Base Bid	Total Bid*
Daniel O'Connell's Sons	\$52,997,000	\$60,936,610
Poole & Kent	\$58,822,000	\$67,518,860
MCM & MCT Joint Venture	\$60,640,000	\$69,573,200

*The total bid includes contingencies and dedicated allowance.

The Opinion of Probable Construction Cost (OPCC), developed in November 2021, estimated the subtotal cost at \$33,175,000 and a total cost, including contingencies and dedicated allowances, of \$38,537,750. The bid by Daniel O'Connell's Sons (DOC), which is the apparent low bid, is approximately 59.7% above the estimated OPCC, which is outside the range of accuracy for an AACE Class 1 cost estimate of +3% to +15% above the estimated cost.

Global market conditions have changed since the OPCC was finalized in November 2021, and the OPCC was updated in May 2022 to reflect those conditions. Refer to **Attachment 1** for details of the updates performed. The updated OPCC, including contingencies and allowances, is \$60,874,460, which makes the low bid approximately 0.1% higher than the updated OPCC. The updated OPCC by Bid Item may be found in **Attachment 2**, and the comparison of the lowest bid to the November 2021 and the May 2022 OPCCs may be found as Attachment 1.

Commentary on the variability between bid costs and the estimated cost on a bid item level is also discussed in Attachment 1. **Table 2** summarizes the largest variances for the apparent low bidder.

Table 2 Bid Item Variances for Apparent Lowest Bidder

Bid Item	Description	Engineer's 2022 OPCC	Daniel O'Connell's Sons	Variance from OPCC
1	Mobilization	\$1,878,000	\$2,500,000	33%
2	Chlorine Contact Chamber	\$7,804,000	\$13,497,000	73%
5	108" PCCP Filter Effluent Pipeline	\$14,814,000	\$11,000,000	-26%

The above bid items, from each of the bids, were reviewed for a better understanding of the variances. **Table 3** shows the comparison of variances by other bidders against the price bid by the apparent low bidder. This review indicates that each of bidders may have accounted for uncertainties of current global market conditions in a different manner across bid items.

Table 3 Comparison of Bid Variances

Bid Item	Description	Daniel O'Connell's Sons	Poole & Kent	MCM & MCT JV
1	Mobilization	\$2,500,000	\$2,800,000	\$1,800,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$300,000	\$(700,000)
	Bid Item difference, compared to apparent Low bidder (percentage)	--	12%	-28%
2	Chlorine Contact Chamber	\$13,497,000	\$13,000,000	\$8,300,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$(497,000)	\$(5,197,000)
	Bid Item difference, compared to apparent Low bidder (percentage)	--	-4%	-39%
5	108" PCCP Filter Effluent Pipeline	\$11,000,000	\$18,000,000	\$19,600,000
	Bid Item difference, compared to apparent Low bidder (dollars)	--	\$7,000,000	\$8,600,000
	Bid Item difference, compared to apparent Low bidder (percentage)	--	64%	78%

The bid package did not include a direct response to the requirements outlined in Special Provisions SP 1.0. **While other material included in the package may be used to assess satisfaction of some of those requirements (items a, d, and e), a response to each item under SP 1.0 should be provided.**

A clarification is needed for the references listed on the Proposal Form. It is not apparent how the listed references are tied to list of projects identified as "similar work".

Qualifications submitted by DOC were also reviewed. Of the documents required for submittal with the Bid, it should be noted that a dollar value was not identified on the Bid Bond form. Instead, it

lists 5% of the amount bid, which should be acceptable. **Table 4** identifies clarifications needed (in boldface text) under "Comments".

Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
The Bidder's proposed project manager shall have successfully completed a minimum of two (2) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) greater than \$20 million. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	The Bidder's proposed project manager is Mr. Bailey. Clarification/confirmation that he meets the minimum requirement of 2 completed projects is needed. Projects listed and considered for this experience: ▪ Uxbridge WWTP BNR and Infrastructure upgrade, \$34.6 million, completed Dec 2019. – Project qualifies. Other projects listed do not qualify and/or not enough information is provided. Provide missing project completion dates, missing project scope information, or one (1) qualifying project with project description that aligns with the experience requirement.
The Bidder must have successfully completed a minimum of two (2) projects that have included procurement and installation of process equipment, construction of chlorine contact chambers, and installation of instrumentation and controls including connections into an existing SCADA in wastewater treatment plants with capacities of 10 mgd or larger with secondary treatment process, with this work being performed while maintaining operations of the wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work.	Bidder has wastewater facility experience; however, project description submitted for qualifying projects (5) do not indicate if chlorine contact chambers (CCC) were constructed, I&C work was performed, and connection to existing SCADA. Confirm work performed in each project description aligns with qualification. ▪ Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD. Confirm construction of CCCs, and connections to existing SCADA was part of project scope. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm connections to existing SCADA was part of project scope. ▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm construction of CCCs, I&C work, and

Mr. Paul Adams

May 4, 2022

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Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
	connections to existing SCADA work was part of project scope. - Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm construction of CCCs, I&C work, and connections to existing SCADA was part of project scope. - Uxbridge WWTP completed September 2020. New CCCs were not constructed. Existing CCC was converted to UV disinfection. Various I&C components and SCADA were replaced. Provide plant capacity.
In addition, Bidder must have successfully completed at least two (2) projects that included installation of Prestressed Concrete Cylinder Pipe (PCCP) or Ductile Iron Pipe (DIP) 54-inch or larger that have been performed within the past ten (10) years from the date of the invitation to Bid. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work.	Bidder's subcontractor, David Mancini & Sons, meets criteria.
The Bidder or Bidder's instrumentation and Controls Subcontractor shall have successfully completed a minimum of two (2) projects demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-contractor for their discipline work, with this work being performed while maintaining operations of a wastewater treatment facility. These projects shall have been performed within the past ten (10) years from the date of the invitation to Bid.	Multiple projects (5) were submitted for qualification; however, it is not stated in the project description whether connection to existing SCADA, and I&C work was performed by DOC. Confirm bidder will self-perform the instrumentation, controls and SCAD work and confirm scope of work performed for each project description aligns with qualification. - Uxbridge WWTP BNR and Infrastructure upgrade completed Dec 2019. Project appears to qualify. Confirm I&C and SCADA scope was performed by DOC. - Bucklin Point Wastewater Treatment Plan completed Dec 2014, Plant Capacity 46 MGD.

Mr. Paul Adams

May 4, 2022

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Table 4 Clarifications for Qualifications

Bid Advertisement Qualifications and Experience Requirements	Comments
	Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ MFN Regional Wastewater Treatment Facility completed Dec 2019, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ Fields Point Wastewater Treatment Facility completed Dec 2013, Plant Capacity 77 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC. ▪ Charles River Water Pollution Control Facility completed Aug 2016, Plant Capacity 10 MGD. Confirm I&C and connections to existing SCADA scope was performed by DOC.

The above clarifications, SP 1.0 statement responses, and clarification for the references on the Proposal Form should be sought from the apparent low bidder, Daniel O'Connell's Sons, for the completion of the evaluation and bid recommendation.

cc: Victor J Pujals, P.E.
Carl Frizzell, P.E.
Eduardo Arispe, E.I.

File: PW.EXT.6430-221058_Rev2.04.15.06

Enclosures:

Attachment 1 – Post Bid Evaluation

Attachment 2 – 2022 Updated OPCC on Bid Form

Attachment 1

Post Bid Evaluation

Project: CDM Smith Chlorine Contact Tank (ST-2C) Revision 2, South District Wastewater Treatment Plant PCTS 15482, Contract S-933

RE: Post Bid Evaluation

Date: 5/2/2022

Background

The ST-2C project consists of expansion of existing facilities and large diameter piping at the SDWWTP. The Permit Set Opinion of Probable Construction Cost (OPCC) that was used to advertise the project, was developed in November 2021. The bids were received approximately 6 months later in April 2022. The lowest bid was approximately 59% higher than the OPCC (\$19M).

The following section describe the factors that can be explain the higher bid results as well as the corresponding adjustments to the OPCC to reflect these factors.

1. GLOBAL FACTORS AFFECTING CONSTRUCTION COSTS

The following are some of the factors that can be inferred as drivers of this higher cost:

- A. Construction costs continued to experience escalating costs through December 2021 and early part of 2022. An indicator of the escalating cost was an unprecedented 0.5% monthly increase (6.2% annual) construction costs in general as evidenced by various indices (United States Army Corps of Engineers CWCCI Escalation Calculator and Turner Construction Cost Index).
- B. The highly uncertain material pricing and other resources such as fuel (fuel increase of approx. 25%) have also created a more conservative bidding environment. Contractors are less likely to assume risk and may have structured their bids to reflect this uncertainty.
- C. Material quotes currently provided by suppliers are qualified to only be valid for 30 days and subject to "cost volatility" factors. This limited time frame for purchases adds to the material pricing uncertainty to be absorbed by Subcontractors and/or the General Contractor. This risk is translated into higher markups or contingency factors applied by Subcontractors and/or the General Contractor.
- D. The already stretched global supply chain affected by the Covid 19 epidemic, that has affected global markets for the past year, as identified in item 1.A; was further impacted by the Russia-Ukraine conflict that started in February 2022. The rising fuel prices, exacerbated supply chain impacts, increased transportation cost are evident in our economy.
- E. These global factors have impacted various materials that are part of this project. Prestressed Concrete Cylinder Pipe (PCCP), a large component of this project (over 3000 LF), has a steel cylinder component that experienced 14% to 17% overall cost increase. Additionally, PCCP quotes are tied to the American Metal Markets Hot Rolled Coils Index. This index is likely to continue increasing in the next few months. There are other pieces of wastewater equipment (Hydraulic Gates, Actuators, metal railing) that are largely composed of steel or aluminum that have seen cost rise in excess of 15 to 20%, as evidenced by Price Increase notification letters received by all stakeholders in the last few weeks.
- F. The PCCP component of the project represents approximately 78% of the total cost. The installation cost is largely composed of heavy construction equipment. The equipment rental rates have experienced a 10-15% cost increase and the diesel fuel price has seen an increase from approx. \$4.00/gal to \$5.50/gal, a 38% cost increase.
- G. In addition to material cost increases, labor costs have also increased due to various factors such as labor force scarcity and rising competition between contractors to attract construction workers.

2. ST-2C RESULTING COST ADJUSTEMENTS

Based on the Global Factors listed above, the following adjustments were made to reflect the impact on the ST-2B OPCC.

- A. Escalation costs to mid-point of construction for materials was modified from 3% annual to 6% as described in Factor 1. A above.
- B. Subcontractor markups for supervision, indirect costs and profit markup was adjusted from a competitive bidding environment at 18% to a more conservative approach at 30%. See Factor 1.B above.
- C. Similarly to item 2. B, the General Contractor markups were adjusted to reflect the current bidding environment from a 21.5% overall markup for Supervision, Indirect Cost and Profit to a 30% overall markup.

- D. Due to the material price volatility, the assumption that the General Contractor would purchase all large equipment and materials and optimize their bid, rather than the Subcontractor purchasing them, was removed. This approach would be consistent with a riskier bidding environment.
- E. Material costs such as PCCP pricing were adjusted by increasing it by approximately 14% to 17% to reflect current material pricing as described in Factor 1.E above. In consultation with local suppliers for these items, the cost increase was confirmed.
- F. Ready Mix Concrete for 5000 psi mix increased from \$128/CY to \$144/CY (12% increase). The ready-mix pricing is likely to experience an additional \$8/CY (6%) increase by June of this year, as noted in quotes received from local suppliers.
- G. Equipment rental rates were adjusted to current rates and operating costs, primarily diesel fuel was adjusted to current rates.
- H. Labor costs were updated to 2022 rates from those used in the 2021 OPCC.
- I. During the bidding process, Addenda 6 clarified the use of special coatings that resulted in a \$700,000 cost increase.

3. UNIT PRICE VARIANCES

- A. Overall percent difference between Low Bid and 2021 OPCC is approx. 59%. Individual Bid Items vary percentage wise, ranging from 16% to 181%. Some of the large percentage differences represent low dollar values relative to the overall cost (Bid Items 2 and 5).
- B. The percentage differences between the Adjusted 2022 OPCC range from -26% to 73%. Again, the large percentage variances are found in Bid Items 2 and 5.
- C. In some instances, bidders may offset some of the lump sum bid values with Indirect Costs to benefit from earlier payment ("front loading"). This could be the case for Bid Items 1 and 2; Mobilization and Chlorine Contact Chamber, respectively. This practice is evidenced by reviewing the third-place bidder that shows a very similar cost for Item 2 compared to the adjusted OPCC.

Bid Item	Description	2022 Adjusted OPCC Escalated Total	DOC	PK	MCM
1	MOBILIZATION	1,878,000	2,500,000	2,800,000	1,800,000
2	CHLORINE CONTACT CHAMBER	7,804,000	13,497,000	13,000,000	8,300,000
3	INJECTION WELLS IW-18, IW-19 AND IW-20	2,093,000	2,000,000	3,000,000	1,300,000
4	72" PCCP EFFLUENT LOOP	26,353,000	24,000,000	22,022,000	29,640,000
5	108" PCCP FILTER EFFLUENT PIPELINE	14,814,000	11,000,000	18,000,000	19,600,000
		52,942,000	52,997,000	58,822,000	60,640,000
	Delta from OPCC		55,000	5,880,000	7,698,000
	Delta from Low Bid	-55,000		5,825,000	7,643,000
	Delta from Low Bid	0%		11%	14%
	Percentage from OPCC		0%	11%	15%

- D. It is worth noting that some Bid Items such as Item 4 and 5 – 72" and 108" PCCP, were estimated higher in the 2022 OPCC than the Low Bid and could represent the "front loading" approach described previously.

4. ST-2C TOTAL OPCC VALUES COMPARISON TO LOW BID

ST-2C OPCC SUMMARY													
					2021 OPCC	2022 Adjusted			2022 Low Bid DOC	OPCC to Low Bid Percent and Cost Difference			
Bid Item	Estimate Number	Description	Quantity	Units	Escalated Total	Escalated Total	Increase from 2021		Total	2021 OPCC %	2021 OPCC \$	2022 Adjusted OPCC %	2022 Adjusted OPCC \$
1	2010	MOBILIZATION	1	LS	1,579,000	1,878,000	19%		2,500,000	58%	\$ 921,000	33%	\$ 622,000
2	2050	CHLORINE CONTACT CHAMBER	1	LS	4,803,000	7,804,000	62%		13,497,000	181%	\$ 8,694,000	73%	\$ 5,693,000
3	2090	INJECTION WELLS IW-18, IW-19 AND IW-20	1	LS	1,737,000	2,093,000	20%		2,000,000	15%	\$ 263,000	-4.4%	\$ (93,000)
4	2100	72" PCCP EFFLUENT LOOP	1	LS	15,580,000	26,353,000	69%		24,000,000	54%	\$ 8,420,000	-9%	\$ (2,353,000)
5	2200	108" PCCP FILTER EFFLUENT PIPELINE	1	LS	9,476,000	14,814,000	56%		11,000,000	16%	\$ 1,524,000	-26%	\$ (3,814,000)
ST-2C TOTAL					33,175,000	52,942,000	60%		52,997,000	59.7%	\$ 19,822,000	0.1%	\$ 55,000

5. REFERENCES

- Cost Escalation Indices mentioned in Item 1.A, are attached to this report CWCCI and TCCI
- Price Increase notification letters mentioned in item 1.E

Material Cost Increase Letters



AMERICAN

DUCTILE IRON PIPE

THE RIGHT WAY

March 21, 2022

To: AMERICAN Ductile Iron Pipe Customers and Distributors

Subject: **New DIP Pricing Structure: Effective April 1, 2022**

For several weeks now, the world has both observed and been affected by the conflict between Russia and Ukraine. The global economy has struggled to adjust to the impacts of the conflict, and the already stretched global supply chain has now been further limited due to constrictions on supply from those countries. As a result of this supply shortage, many of the raw materials necessary for the production of ductile iron pipe have already experienced critically lengthened lead times and extreme cost volatility. Additionally, costs to transport our products to market have been impacted by rising fuel prices. The unusual nature of this current economy has made it very difficult to predict how costs will fluctuate, so it has become necessary for us to implement a new pricing structure for our ductile iron pipe and other products.

Following are the necessary actions we must take in response to this rapid cost volatility:

Beginning April 1, 2022

- American will maintain a **base price** for our products. The current base price became effective on February 15, 2022 (see letter dated February 1, 2022).
- Additional cost volatility will be added to the base price and will be included in the quoted unit prices for our materials. Scrap volatility will be tracked for increases above and beyond the base scrap price in effect on February 15, 2022. This index can be monitored via Fastmarkets (www.fastmarkets.com). Quoted prices will be either base price or base price plus a cost volatility adder.
- Quotes will be valid for 30 days
- Materials must be ordered within the 30-day quote validity period and those orders must ship within 30 days of order entry date.
- Materials which do not ship within the 30-day period will be subject to the applicable cost volatility adders at time of shipment. We recommend re-checking pricing within 30 days of shipment to confirm any cost adjustments. Additionally, we recommend tracking scrap cost changes via Fastmarkets.
- If further cost impacts become apparent, AMERICAN may need to increase our base prices. Should a base price increase become necessary, AMERICAN will issue a base price increase announcement. Any further cost volatility adders will still be applicable at that time.

Current Open Orders and Outstanding Quotations

- All open orders which have been placed prior to February 15, 2022 are now subject to new quote terms and must be repriced to meet the current base price plus applicable cost volatility adders.
- All orders must now include a volatility adder prior to shipment.
- All outstanding quotations must be repriced to current base pricing and must include the applicable cost volatility adder and revised terms.

While there is no perfect solution for these volatile market conditions, this new pricing structure is intended to help our DIP customers and partners to plan for and adapt to current and future cost impacts. Our ACIPCO staff will assist you through this transitional time. As always, we at AMERICAN appreciate your support, and we thank you for your business.

Sincerely,

W.D. "Skip" Benton
VP, Sales

Christopher S. Jarrett
Director, Sales



A Forterra Company

March 14, 2022

To: Valued Distribution Partners and Customers
Re: Scrap Surcharge

As you are aware, the Russia-Ukraine conflict has resulted in additional disruptions to an already stretched supply chain. This conflict has impacted multiple inputs to our manufacturing process, the biggest of which is our scrap metal costs. Given the current situation, demand for steel and iron to be supplied by other countries is quickly growing. Those manufacturers are looking to buy more scrap, the same scrap we buy for daily operations. As a result, scrap costs are rising very quickly. The restrictions on pig iron coming from Russia and Ukraine further exacerbates the demand for scrap.

Effective April 1, 2022, all product shipping from our facilities will incur a scrap surcharge to cover these increased scrap costs. While we hope this is a short-lived market condition, we have to prepare for the likely reality that this persists until the conflict has come to resolution, global sanctions on that region of the world are lifted, or some other market mechanism helps compensate for the increase in demand.

That surcharge will be based on the national increase in shredded scrap pricing as tracked by Fastmarkets (<https://www.fastmarkets.com>). The prior month average is released on the first business day of the month (i.e., the increase for March will be confirmed on April 1st). It will be communicated on the second of the month and made effective the fifth day of the month. The shredded scrap index is highly correlated to the busheling index which was up \$175/ton between February and March. Because of the even higher demand for busheling, we expect the shredded index to be up, but not more than busheling. Based on what we know as of this time, a good planning number should be between \$125-175/ton. All surcharges will be noted as a separate line item on your invoice.

As you know, our typical approach is to absorb increases and movements in raw materials pricing both small and large; however, the movement over the last two weeks is historically unprecedented. We believe a surcharge is the most effective mechanism for an adjustment because we intend for this to be temporary. When scrap pricing returns to February 2022 levels, we will pull back the surcharge. Should the conflict last longer and scrap prices remain higher for an extended period of time, we may consider converting the surcharge to a more permanent price increase, but it would be premature to determine that now.

Also note, we will continue to strictly enforce our terms and conditions. If you wish to cancel your order for Made to Stock (MTS) material in lieu of paying a surcharge, you may do so with no cancellation fees. Cancellation fees still apply to Made to Order (MTO) materials.

We regret having to take these actions; however, the metals markets have been greatly impacted by the situation abroad. We appreciate your support and patience while we all navigate these uncertain times.

Best Regards,

Vik Bhatia
President
214-693-1578

Howard Smith
Sr. Vice President of Marketing & Sales
919-757-5411



IRON STRONG

2266 South 6th Street
Coshocton, OH 43812
o 800-800-6013
mcwaneductile.com

March 11th, 2022

To: McWane Ductile Customers

Re: Scrap Surcharge

The Russian-Ukraine conflict has caused a severe shortage of pig iron in the international market (as both countries are two of the world's top producers). While McWane Ductile does not use pig iron, consumers of pig iron have downcycled to raw materials such as busheling and auto shred, resulting in an immediate and intense demand for all grades of US scrap, which in turn has driven up scrap prices by \$150/ton and more this month alone. We expect this cost escalation to continue until the conflict resolves. In light of the detrimental impacts from these unexpected events, it is necessary to implement a \$150/ton scrap surcharge to all shipments effective 03/14/2022, which will be added as a separate line item on your invoice. Additional points:

- This surcharge is temporary, and we will rescind it when scrap prices return to February 2022 levels.
- We will adjust the surcharge monthly, based on changes in the Busheling Index published monthly in Fastmarkets.com.
- The surcharge we're announcing today will apply to all shipments from 3/14/2022 until 4/10/2022. Fastmarkets publishes the settled scrap price on the 10th of each month, therefore any April surcharge will apply to all shipments from 4/11/2022 to 5/10/2022.
- Because of unprecedented demand for our products along with supply chain constraints, we cannot guarantee lead times, delivery schedules, or availability.
- You may choose to not pay the surcharge and delay your scheduled shipments until such time as scrap prices have returned to lower levels. Once again, however, lead times, delivery schedule and availability are not guaranteed.

Thank you in advance for your support. Please contact your McWane Ductile Sales Representative with any questions.

Best regards,

Mike Dodge
Vice President of Sales & Marketing



AMERICAN

THE RIGHT WAY

March 21, 2022

To: Customers, Distributors and Stakeholders OF
AMERICAN Ductile Iron Pipe, American SpiralWeld Pipe & American Flow Control

Subject: Impacts of Global Supply Constrictions on Product Availability and Cost

For several weeks now, the world has both observed and been affected by the conflict between Russia and Ukraine. The global economy has struggled to adjust to the impacts of the conflict, and the already stretched global supply chain has now been further limited due to constrictions on supply from those countries. As a result of this supply shortage, many of the raw materials necessary for the production of our products have already experienced critically lengthened lead times and extreme cost volatility. Additionally, costs to transport our products to market have been impacted by rising fuel prices, equipment shortages, and limited workforce. The unusual nature of this current economy has made it very difficult to predict how the flow of products to market and production costs will fluctuate.

Like many manufacturers who rely on raw materials which have been impacted by global shortages, AMERICAN has been forced to update our supply structure. Customers can expect further lengthening lead times and price volatility. For our ADIP/ASWP products, base pricing can be provided at bid time, and we will provide a bid-time volatility adder or escalator (as listed by various market indexes). Final, confirmed pricing will be provided at time of shipment. As for our AFC products, we have recently updated our pricing, but further pricing updates may be necessary as supply volatility continues to impact our ability to manufacture our products and get them to market. We will work to minimize the impacts of this market unpredictability, but we have no choice other than to adapt to these historic market circumstances. No longer can there be any long-term guarantees of price or availability.

As AMERICAN (and many other companies) adjusts to these new market realities, we recommend that you consider including provisions within your bid and contract process to allow for supply and cost volatility. This will reduce the unexpected impacts of supply extensions and cost increases. Our personnel are available to discuss strategies to minimize the impacts of this volatility.

While there is no perfect solution for these volatile market conditions, our new supply structure is intended to help our customers and partners to plan for and adapt to current and future market impacts. As always, we at AMERICAN appreciate your support, and we thank you for your business.

Sincerely,

W.D. "Skip" Benton
VP, Sales – ADIP & ASWP

John E. Hagelskamp
VP, Sales – AFC



AMERICAN

FLOW CONTROL

THE RIGHT WAY

March 17, 2022

TO: AMERICAN Flow Control Distributors

RE: PRICE INCREASE - Effective March 18, 2022

Due to extreme increases in input and transportation costs, AMERICAN Flow Control will implement a price increase of approximately 10 percent effective at close of business, March 17, 2022. We will increase prices by reducing discounts applied to our price list dated December 1, 2021. Increases will affect the products shown below:

PRODUCT
AWWA & UL/FM DRY BARREL FIRE HYDRANTS
2" - 12" RESILIENT WEDGE GATE & TAPPING VALVES
14" - 24" RESILIENT WEDGE GATE & TAPPING VALVES
ALL CHECK VALVES
UL/FM INDICATOR POSTS
ALL TAPPING SLEEVES
TRENCH ADAPTER & RETROFIT VALVE BOX INSERT
ALPHA™ JOINT ENDS ADDER
CAPTIVATER® - LOCKING HYDRANT NOZZLE CAP
ALL REPAIR PARTS
FIRE HYDRANT EXTENSIONS & TRAFFIC KITS

Any orders received on or after March 18, 2022, will be processed at new pricing.

Thank you for your business. Your AMERICAN Sales Representative will be in contact with you to establish your new discounts as well as answer any questions you may have.

Regards,

Robert H. Patton

Director of Project Management

AMERICAN Flow Control



Mueller Water Products
Headquarters
1200 Abernathy Road NE
Suite 1200
Atlanta, GA 30328

phone: 770-206-4200

March 1, 2022

To: Mueller® and U.S. Pipe® PRODUCT DISTRIBUTORS

Re: Immediate Price Increase

In order to offset continued rising material, logistical and labor costs we are announcing a price increase for the products listed below. This price increase will be effective immediately, March 1, 2022 and implemented as follows.

Mueller & U.S. Pipe AWWA/ULFM Products:

- Dry Barrel Fire Hydrants
- Wet Barrel Fire Hydrants
- 2" – 54" Resilient Wedge (RW) Gate and Tapping Valves
- 14" – 36" Double Disc (DD) Gate and Tapping Valves
- Indicator Posts
- Iron Tapping & Split Repair Sleeves, & Crosses
- Cut-In Sleeves and Valves
- Fire Hydrant Extension, Repair Kits & all other repair parts

Change:

- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction
- 3.0 point discount reduction

The price change will be implemented as follows:

1. Any orders received **after** 4pm CST/5pm EST Tuesday March 1, 2022, will be entered and invoiced at new price.
2. Fixed price municipal contracts will be price protected for duration of the contract.
3. Distributor quotations to contractors are not price protected.

Your Territory Manager will contact you to review these increases and answer any questions.

Regards,

Mike Lindgren
Vice President - Distribution



Clow Valve Co.

902 South 2nd Street
Oskaloosa, IA 52577

Telephone: 641 673-8611
Fax: 641 673-8269

March 3rd, 2022

To: All Clow Valve AWWA Distribution

Re: Price Increase Applying to AWWA and UL/FM Products, Effective the end of business, Thursday, March 3rd, 2022.

Effective the end of business, Thursday, March 3rd, 2022, Clow Valve Company will be instituting a price increase on the below listed AWWA products. The increase will be accomplished by a reduction of the current discount points as shown below. There will be no change in the list prices.

<u>Size Range</u>	<u>Product Line</u>	<u>Discount Reduced By</u>
All	Dry Barrel Fire Hydrants	3.0 points
12" and Below	AWWA Resilient Wedge Gate and Tapping Valves	3.0 points
14" and Above	AWWA Resilient Wedge Gate and Tapping Valves	3.0 points
All	Double Disc Gate Valves and Tapping Valves	3.0 points
All	Hydrant Extension and Repair Kits	3.0 points
All	Repair Parts	3.0 points
All	Indicator Posts	3.0 points
All	Wet Barrel Hydrants	5% Net Price Increase
All	Butterfly Valves	8% Net Price Increase
All	Plug Valves	8% Net Price Increase
All	Check Valves	8% Net Price Increase

New prices will apply to all orders received after end of business on Thursday, March 3rd, 2022.

Any orders received before the end of business Thursday, March 3rd, 2022 with no shipping restrictions will be price protected.

Any orders received before end of business Thursday, March 3rd, 2022 with customer restricted extended shipping dates will be invoiced at the prices in effect at the time of shipment. There will be no extended shipments at old pricing.

Material covered in fixed price municipal contracts will be honored for the original contract bid quantities for the duration of the contract.

Effective Thursday, March 31st, **Cash Discount Term** eligibility requires that payment must be received on or before due date. Check dates or post marks will not be considered. To avoid any potential issues with delays, it is strongly encouraged to pay by Automated Clearing House(ACH)

Your Sales Representative will be in contact with you prior to the effective date, to review these increases and to answer any questions you may have.

Thank you

Steve Werninger

Steve Werninger
National Sales Manager



Quality – Service – Commitment – Delivered.

700 Goldman Drive
Cream Ridge, NJ 08514

P: (256) 496-3388
gf1@sigmaco.com

March 21, 2022

To: SIGMA Customers

Re: Supply Chain and Costing Update

Although inflationary pressures and supply chain disruptions have been a part of our industry for nearly a year now, the recent geopolitical events in Ukraine have exacerbated an already challenging situation. In addition, though much less visible, SIGMA and other globally sourced producers are in the midst of negotiating new freight rates for the 12 months beginning May 1st. Both the war in Ukraine and the future freight rates look to greatly influence our business in the short term and into 2023. Consequently, we want to share some of the details of these influencers to best prepare you for the realities ahead.

Ocean Freight

The severe container imbalance originating from the Covid-19 shutdowns in 2020 remains attenuated by the continued high demand for globally sourced products. The insufficient container capacity in active operation has caused many freight carriers to move away from annual contracts for the 2022/23 year and, alternatively, offer freight rates for shorter periods of 4 – 6 weeks. While it is true that the headline-grabbing spot rates paid for containers at the height of the shortage have dropped, the reality is that SIGMA anticipates its average freight rates to increase significantly as a result of the change in the carriers' pricing methods.

On a positive note, SIGMA has experienced improved container availability – particularly out of China. Container availability in India is more challenged but, largely, space is allocated monthly to handle the majority of SIGMA's production. While the news on container availability is encouraging, SIGMA's limited inventories coupled with the high industry demand ensures that supply chain will be constrained through 2022.

Raw Material Costs

For much of this calendar year, raw material costs in both India and China have been relatively stable at the elevated levels set in 2021. However, the Russian invasion of Ukraine created a severe disruption and surge in costs of raw materials as both Russia and Ukraine are major exporters of steel and iron. For various economic and geographic reasons, these raw material increases are more significant in India. Within SIGMA's production in India, the inflationary pressures are greater on its line of Municipal & Construction Castings as those products are manufactured almost exclusively with import pig iron. Though MJ and Flange fittings produced in India utilize some domestic steel, the sizeable disruptive impact of the war on raw material prices and availability in Europe and Western Asia will impact the cost of these goods too.



Conclusion

All said, product remains in limited supply and cost pressures continue to be inflationary. For cast iron valve boxes, meter boxes, manhole frames & covers and the like, we anticipate significant increases. In fact, we may be forced to adopt monthly pricing adjustments based on raw material volatility. Also, we cannot guarantee that we can protect and honor backorders; however, no firm position is set. For Fittings and MJ Accessories, we are aggregating the increased costs from our blended sources and will set pricing and policy accordingly. For Pipe Restraint, freight rates, at this time, seem to be a greater influencer on cost increases. Therefore, price adjustments, if any, will be later this calendar year.

After a demanding 2021, we realize this news is not welcome. However, it's the realities of today's environment. As such, we want to keep you, our customer, as informed as possible.

We at SIGMA are happy to further discuss the details of this letter with you. Please reach out if you care to further discuss.

As always, we appreciate your support and business particularly in this challenging time.

Sincerely,

Greg Fox | Vice President of Sales
SIGMA Corporation
256.496.3388
GF1@sigmaco.com



Quality – Service – Commitment – Delivered.

700 Goldman Drive
Cream Ridge, NJ 08514

P: (256) 496-3388
gf1@sigmaco.com

March 22, 2022

To: SIGMA Customers in the US

Re: Domestic Product Category Price Increases

For reasons communicated in our letter dated March 21, 2022, SIGMA is announcing a price increase on its product offering of domestically produced Fittings, MJ Accessories and Pipe Restraint.

Effective Wednesday, March 23, 2022, the following multipliers will apply its domestic product offerings:

AWWA Fittings	x.
Zinc Coated P-401	x.
MJ Accessories	x.
Pipe Restraint	x.

Existing orders that remain unshipped as of Monday, March 28th, will be repriced at the announced Lists and Discounts.

Finally, we emphasize that costing of raw materials remains volatile. Future increases may be a reality.

Please contact your SIGMA Territory Sales Manager if you have any questions.

As always, we appreciate your business and support.

Sincerely,

Greg Fox | Vice President of Sales
SIGMA Corporation
256.496.3388
GF1@sigmaco.com





March 21, 2022

To: All Tyler Union Customers

Re: Change in Pricing Multipliers on new and existing open orders.

Per our communication of March 16, 2022, we are experiencing a high degree of price volatility within our costs for raw materials, domestic & global freight and energy. We have looked at several options and solicited customer inputs on how to best address this situation including backorders. While absorbing additional increases will be difficult for our customers, the consistent feedback was that an approach of revising the order and invoiced price was strongly preferred over implementing surcharges.

Tyler Union will be increasing our pricing per the below percentages on both new and existing confirmed orders.

This revised pricing will be firm through May 31, 2022, at which point it will be reviewed and subject to change based upon the current cost data.

Product	% Change From Previous Price
Domestic Fittings	4%
Domestic Municipal Castings	10%*
Domestic Glands & Accessories	4%
Domestic Restraints	4%
Import Fittings	6%
Import P401 Fittings	11%
Import Municipal Castings	17%*
Import Glands & Accessories	6%
Import Restraints	6%

* per our prior municipal castings price increase letter

We thank you for your continued support of Tyler Union and look forward to providing you with quality waterworks products, as we have for nearly 100 years.

Sincerely,

Jerry Jansen
National Sales Manager



March 22, 2022

To: Our Valued Star Pipe Customers:

RE: Price increase notification – change in multipliers on new orders and existing orders not released

Due to rapid increases in raw material and fuel costs, we are increasing our pricing to the below percentages effective 3/23/2022. Confirmed purchase orders with no shipping restrictions received by 3/23/2022, will be honored at the confirmed pricing. Confirmed orders not released by 3/28/22 will be repriced at the below multipliers.

Domestic Products	Approx % Increase	Price Lists
Domestic Utility Fittings	4%	DOM-UPL.22.01
Domestic FBE Fittings	4%	DOM-FBE-UPL.22.01
Domestic Zinc Fittings	4%	DOM-ZINC-UPL.22.01
Domestic P401 Lined Fittings	4%	DOM-P401-UPL.22.01
Domestic Joint Restraints	4%	DOM-JRPL.21.03
Domestic MJ Accessories	4%	DOM-ACC-UPL.22.01

Import Products	Approx % Increase	Price Lists
Import Utility Fittings	6%	IMP-UPL.21.03
Import FBE Fittings	16%	IMP-FBE-UPL.22.01*
Import Zinc Fittings	6%	IMP-ZINC-UPL.21.03
Import P401 Lined Fittings	11%	IMP-P401- UPL.21.03
Import Joint Restraints	6%	IMP-JRPL-22.01
Import MJ Accessories	6%	IMP-ACC-UPL.21.03
Import Fabrication Products	6%	IMP-FAB-UP.21.03
Municipal Castings	TBA	

*Revised list price for Import FBE Fittings will go into effect with the new multipliers

We appreciate your continued support and remain committed to earning your business.

Sincerely,

Jason O'Nan, Vice President
Star® Pipe Products

STAR® PIPE PRODUCTS

4018 WESTHOLLOW PARKWAY HOUSTON, TEXAS 77082-4604
www.starpipeproducts.com

T: 281.558.3000
F: 281.558.9000





March 18, 2022

Dear Valued Partner,

Market conditions continue to be extremely volatile and input costs continue to increase. Inflationary costs, such as labor, diesel and transportation are playing a greater factor in our cost to serve, and these additional costs are at unprecedented levels.

As a result of these increases, ADS must raise prices on all pipe, fittings and Allied Products a minimum of 10%.

- AASHTO and ASTM F2648 pipe
- HP Storm and HP Sanitary pipe
- Single Wall Pipe
- PolyFlex and small diameter sewer and drain pipe
- All Fittings

- StormTech, Nyloplast, Inserta Tee, FlexStorm, Duraslot and Water Quality

Effective immediately, ADS will increase pricing on all new quotes. Existing quotes will be honored for the customary 30-day period. Existing purchase orders will be honored for 30-days. After the 30-day period, both quotes and orders will be subject to this increase.

All new stock pricing will be effective immediately. Existing stock purchase orders will be honored for 30-days.

We appreciate your understanding as we work through these volatile times. We look forward to continuing to build a mutually beneficial relationship and truly appreciate your business. Please work with your local sales professional for any additional questions or needs.

Sincerely,

Mike Huebert

Mike Huebert
SVP Sales

Our reason is water.™

DIAMOND **PLASTICS®**
C O R P O R A T I O N

Corporate Headquarters: 1212 Johnstown Rd. • P.O. Box 1608 • Grand Island, NE 68802-1608
800-PVC-PIPE • 800/782-7473 • www.dpcpipe.com

Date: March 21st, 2022
TO: Municipal & Ag Customers
FROM: D. Bauer & S. Yentes
Subject: PVC Pipe Price Increase

We continue to experience raw material and labor related production interruptions. Costs of raw materials, freight and labor continue to escalate. Demand for the spring season is taking off and delivery times will likely be impacted as a result of these trying circumstances.

As a result, we are raising our standard block pricing as follows:

Immediate Shipments Block

Quotations Block

We appreciate your business. Our sales force is dedicated to maintaining communication to ensure your needs are served to the best of our ability.

Celebrating Over 40 Years of Excellence

Manufacturing Locations:

Grand Island, Nebraska - Lubbock, Texas - Macon, Georgia - Muncie, Indiana
Golconda, Nevada - Plaquemine, Louisiana - Casa Grande, Arizona



Corporate Offices
One N Page Avenue, Endicott, NY 13760
800.836.4350 607.729.9381 Fax: 607.729.6130
www.nationalpipe.com

American-made products since 1970

National Pipe & Plastics, Inc.

Memorandum

Date: March 21, 2022
To: All Sales Representatives
From: Matt Siegel, Pete Craner, Jeff Kurkoski
Subject: Municipal Price Increase

Considering the current state of the PVC pipe industry, effective **immediately**, we are implementing the following pricing on our municipal products:

Immediate Block
(subject to availability)

Standard Quotes Block

Please note that this supersedes all previous price announcements.

All orders are subject to availability. All expired orders and quotes will be repriced at current levels.

Note: Full bundle quantities will be required on all stock and direct shipped orders.



NAPCO, a Westlake company
2801 Post Oak Blvd., Suite 600, Houston, Texas 77056
Tel: 713.840.7473, Fax: 713.552.0087

Date: March 21st, 2022
To: All Municipal Customers
From: Brent Wetmore, Vice President - Sales
Subject: PVC Pipe Prices – Municipal Products

NAPCO appreciates your business and your continued patience regarding lead times and fill rates. Our lead times have been improving, but they are still not at acceptable levels. This is due to the continued disruption in supply of several of the additives used to make PVC compound. These additives are in limited supply and have lengthening lead times. Further, freight, in conjunction with all of the raw materials continue to rise in price.

As a result of these continuing uncertainties and rising costs we must put through the following increases.

Effective immediately our Block pricing for both Immediate Orders and 30/30 quotes will move to the following levels.

Immediate Shipments: Block (all diameters)

Quotes 30/30: Block

All current orders will be honored within terms and are subject to our ability to ship. Orders with expired terms will be re-priced.

If you have any questions regarding product availability or this price increase, please contact your local North American Pipe sales representative.

We appreciate your business and look forward to continuing to serve your PVC pipe needs.

Brent Wetmore



7000 Central Park, Suite 800
Atlanta, GA 30328

oldcastleinfrastructure.com

March 17, 2022

To our valued customers:

The current market environment and rising global turmoil continues to create challenges for all of us in the building products industry. Businesses across North America are contending with rising prices for raw materials, labor, equipment, and freight.

In response to these continued challenges, we are implementing a **15% price increase effective April 25th** across all Oldcastle Infrastructure enclosure products & brands.

- ❑ All list prices and all existing quotes will be impacted by this increase. Updated pricing will be provided to all customers by April 22, 2022.
- ❑ All new quote requests will reflect the increased prices effective immediately.
- ❑ Pre-price increase orders will be limited to 1/12th of the annualized order volume by customer location and must be for immediate release.
- ❑ Current orders in backlog for immediate release and shipment scheduled prior to April 18th will be honored at current prices. Orders shipped after April 25th will be evaluated and subject to the prices in effect at the time of shipment.

Please reach out to your Oldcastle Infrastructure Region Sales Manager if you have any questions.

Thank you for your continued support.

Will Costanza
Vice President, Commercial



March 11, 2022

Subject: Geosynthetic Price Increase

Ladies & Gentlemen:

We have been monitoring market conditions since our letter dated February 25, 2022. Not surprisingly, the Russian invasion of Ukraine continues to negatively impact markets around the world. Specifically, the petroleum market has increased 21.5% since the situation began in February and has translated into significantly higher polypropylene resin and related cost increases. As a result, Solmax must implement a price increase on our products, including Mirafi®, Propex®, and Geotex® brands as follows:

15% Increase:

- Mirafi N, E, & S-Series, Geotex nonwovens (i.e., 180N, E1200, S800, 801, 861)
- Mirafi MPV-Series, Petromat® paving nonwovens (i.e., MPV500, 4598)
- Mirafi PT-Series polyester nonwovens (i.e., PT08, PT800E)
- Mirafi X-Series, Geotex slit tape wovens (i.e., 500X, 200ST)

12% Increase:

- Mirafi FW-Series, Geotex monofilament wovens (i.e., FW700, 104F)
- Mirafi HP-Series, Geotex mid-strength wovens (i.e., HP570, 4X4HF)
- Mirafi RSi-Series, H₂Ri, high-performance reinforcement wovens (i.e., RS380i, RS580i)
- Miramesh® wovens (i.e., GR, FR)

10% Increase:

- Mirafi BXG-Series, Gridpro® biaxial geogrid (i.e., BXG110, BXP41)

7% Increase:

- Mirafi MPM/MPG/MTK, Petrotac engineered paving products
- Miragrid® XT-Series uniaxial PET geogrids (i.e., 3XT, 24XT)
- Propex Landlok® erosion control blankets
- Geotube® solutions

Per Project Pricing:

- Propex Pyramat®, Armormax® erosion control solutions

Products/brands not listed above are also subject to a price increase. Contact sales with questions.

Price increases will go into effect on **Monday, April 18, 2022** with the following criteria, which will be strictly enforced:

- Orders placed prior to the price increase implementation date **must ship by Thursday, April 14, 2022**, to be shipped at pre-increase pricing (our facilities are closed on Friday, April 15, in observance of Good Friday). Note that the availability of shipping slots will be limited. Orders that do not ship by this date will be shipped at increased pricing so order early.
- Pricing will not be held on remaining open and blanket orders and all announced increases will apply. Customer Service will reissue acknowledgements for all orders that do not ship prior to the increase.
- All quotes are subject to the announced price increases. Expired quotes will not be honored. Please work with your sales contact for revised quotes for any upcoming projects.



- Material that is not picked up on the scheduled appointment time/date will result in the forfeit of allocated material and will result in extended lead times and post increase pricing.

Solmax must hold firm to these announced parameters to ensure quality service to our customers. Please continue to stay in close communication with your sales contact during this time.

We are concerned that the USA's ban on oil imports from Russia will lead to further upward price pressure as well as pressure on available supply. With this in mind, we believe it is reasonable to assume that additional raw material price increases are likely in the future.

Thank you for your continued business and commitment to the geosynthetic market.

Best Regards,

A handwritten signature in black ink, appearing to read "John D. Herrmann".

John D. Herrmann
Commercial Director – Eastern U.S. & Caribbean

Cost Indexes

USACE, Turner Construction
Construction Index, US Cost,
Arcadis Construction Cost

Date of Index Factors: 30-Sep-21
CWCCIS ESCALATION CALCULATION

CWCCIS ESCALATION CALCULATION

Enter Code below

13

Index	Index		Dates	Index
	2022Q1	2022Q2		
Estimate Pricing Level Date:	2022Q1	2022Q2	1,025.80	1,099.70
Middle Point of Construction Date:				

Escalation Percentage: - 107.20%

EM 11118-2-1394 OWCDS <https://www.publications.usace.army.mil/USACE-Publications/Engineer-EC11-2-224> <https://www.publications.usace.army.mil/USACE-Publications/Engineer-EC11-2-224>

QWCCIS EM1110-2-1304 updates occur twice yearly on 31 March and 30 September. Feature codes 02 to 20 and Composite Index reflect the indices in the 30 September 2021 EM1110-2-1304 QWCCIS.

The 30 and 31 feature codes can be based on the updating factors from Table 1 in

EC 11-2-24 Program Development Guidance Fiscal Year 2023	Select	Class

Instructions for Feature Codes 20 and 31:

	Government Personnel	Government Personnel
20	20	20
31	31	31

	Class 1	Government
	Class 2	AE Contractor
to be used for the 30 and 31 accounts either class 1 or class 2. Installation factors differ if work is to be performed by Government personnel or AE contractor. Class 1 is for		

Class 1 includes salary increases, step increases, health insurance, attrition rates, retirement, etc. Note, the Class 1 government personnel and Class 2 is for everything else.

factor can be higher than the Class 2 factor, when the FEPCA formula is used by OMB to predict future values, and this will affect the TPCS. In addition, ECI-2-XXX does not provide a

Historical studies are not only concerned with Native people's

Abstract The purpose of this study was to determine whether there were differences in the prevalence of self-reported depression between men and women who had been exposed to violence during childhood and adulthood. Data from the National Longitudinal Study of Adolescent Health (*N = 9,800*) were used to examine the association between exposure to violence and self-reported depression among adolescents. Results showed that exposure to violence during childhood and adulthood was associated with higher rates of self-reported depression. However, the association between exposure to violence and self-reported depression was stronger for women than for men. These findings suggest that exposure to violence during childhood and adulthood may have a more significant impact on the mental health of women than men.


[Home](#) >> [Cost Index](#)

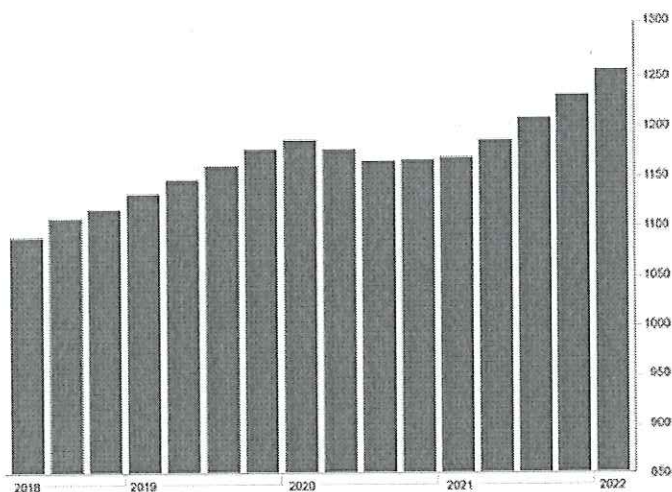
Cost Index

Turner's First Quarter Building Cost Index: Construction Cost Escalation Continues to be Fueled by Volatility in Material and Labor Markets

First Quarter 2022 Turner Building Cost Index—which measures costs in the non-residential building construction market in the United States—had increased to the value of 1255. This represents a 2.03% quarterly increase from the Fourth Quarter 2021 and a 7.08% yearly increase from the First Quarter 2021.

"Overall Supply Chain stability and the 'return-to-normal' state has not yet been established. Some key materials continue to be in short supply due to supply chain disruptions in manufacturing and computer chip shortages. Higher transportation costs are due to the rising price of gasoline and diesel fuels. We see alternative means of construction on the rise such as prefabrication and modular solutions that offer work environments that appeal to the labor workforce entering our industry."

Attilio Rivetti
Vice President



RELATED NEWS

- 7/21/2021**
Growing Construction Demand and Supply Chain Disruptions Lead to Increase in Construction Costs
- 10/15/2020**
Construction Industry Continues To Feel Impact of the COVID-19 Pandemic
- 4/13/2021**
Construction Costs Remain Relatively Stable in First Quarter of 2021
- 7/10/2020**
A Busy Construction Market, Increased Competition, and COVID-19 Are Impacting Construction Costs

Quarter	Index	% Change
1st Quarter 2022	1255	2.03
4th Quarter 2021	1230	1.91
3rd Quarter 2021	1207	1.68
2nd Quarter 2021	1187	1.28

Base year: 1967, index 100

Please click below to download the Building Cost Index

2022



First
Quarter
2022

2021



First
Quarter
2021



Second
Quarter
2021



Third
Quarter
2021



Fourth
Quarter
2021



The Cost INSIDER

April 29, 2022 | Issue No. 019

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ECONOMIC NEWS

The Crystal Ball Remains Cloudy



Photo by Pixabay

Continued uncertainty in national and international events (the COVID-19 pandemic, projected Federal Interest Rate increases, the Russian invasion of the Ukraine, and Supply Chain Challenges) will continue to make forecasting future construction costs challenging. The construction market has seen approximately 20.6% of material increase annually (non-compounding) over the past two years. In the past year, the material cost escalation rate has increased 24.6%.

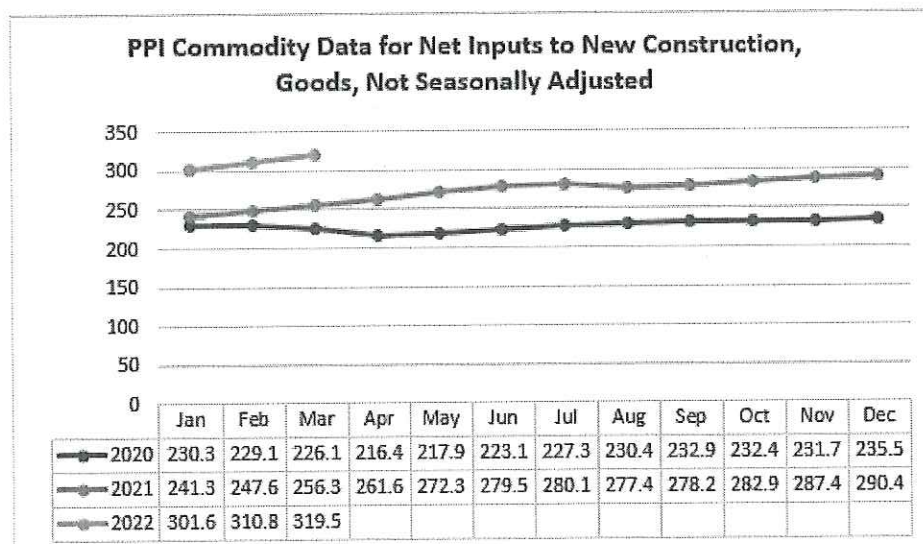


Chart One - Data Sourced from the Bureau of Labor Statistics Producer Price Index Commodity Data

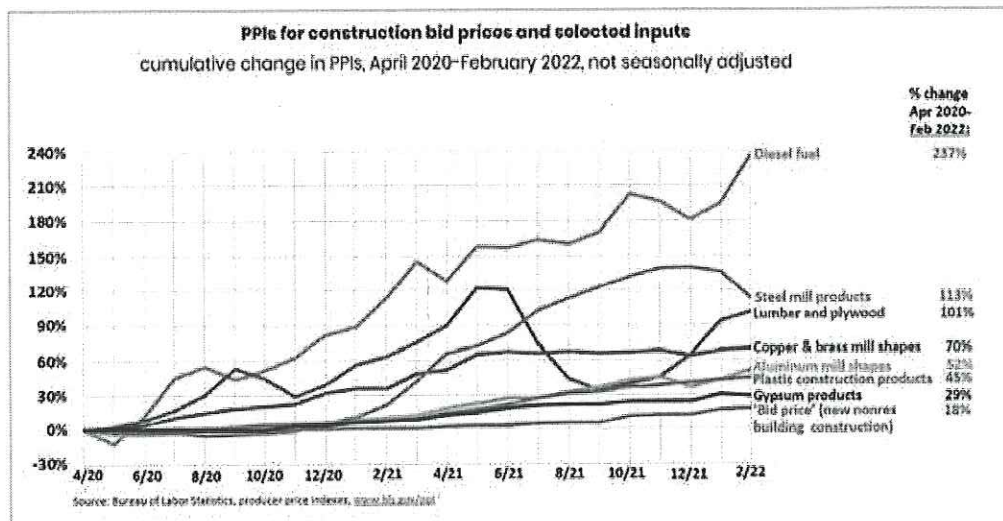


Chart Two - Data Sourced from the Bureau of Labor Statistics Producer Price Index Industry Data

The wider U.S. economy outlook is trending in a positive direction and there are external economic pressures adding costs to major projects. Given that construction escalation increased 16.6% year-to-year but that at least a portion of the February spending would have been on contracts in-place before that escalation; the value of construction dollars spent in February would seem to indicate a more modest increase or perhaps a decrease year-to-year in escalation adjusted Nonresidential construction project spending. The greatest gains since February 2021 were in Manufacturing and Commercial construction, (35.2% and 18.0%, respectively); the greatest losses were in Public Safety and Lodging construction (-34.3% and -26.7%, respectively). Continuing labor shortages, complications in the supply chain and increasing demand for goods have driven the cost of construction significantly. The Federal Reserve reported a 6.4% general inflation rate (using their preferred Personal Consumption Expenditures (PCE) rate) in February as opposed to its target of 2.0%, which caused understandable concerns in many markets.

Contractors and Subcontractors are also reporting that the current market is busier than normal, and with vaccinations prevalent, projects are being placed back on schedules and re-bid. Most expect that they will continue to be very busy until mid-2022, where they expect activity to taper due to the increasing cost of materials and low labor supply. Average hourly earnings in construction for "production and nonsupervisory employees"—mainly hourly craft workers—rose 3.4% from March 2021. That was the steepest increase since 1982, and more than double the 2.5% increase a year earlier.

We have already experienced higher than anticipated increases in material costs in the first quarter of 2022, December to January (3.0%) to February (2.4%) to March (2.8%) month-to-month increases, if continued, would result in annual material cost escalation rate in excess of 30.0%. When coupled with a 6.0% labor rate increase, the average construction project with a 60/40 Material/Labor mix would see an overall escalation rate exceeding 20.0%. However, if the pandemic is, indeed, winding down, if a peaceable agreement between Russia and the Ukraine is reached, if supply bottlenecks are resolved, and if the Federal Reserve Open Market Committee (FOMC) does raise the prime rate by 50 basis points (as expected in early May), pressures on construction escalation should ease and the pace of increase lessen through the balance of the year.

We anticipate a continually heated construction market. It is, therefore, our conclusion that 6.0% to 7.5% per annum (PA) compounded, will be a reasonable assumption to be used in calculating escalation for CIP projects with a mid-point of construction in 2023 or before and then a range of 3.5% to 4.0% per annum (PA) compounded for capital projects with a mid-point of construction in 2024 or later.



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THE YEAR OF INFLATION

International Construction Costs 2022

Secrets of success in an inflationary market

The current worldwide pressures on construction, manufacturing and resources, are due in part to COVID-19. Market stability has not been helped by seismic shocks to the global economy caused by recent geopolitical tensions. This has created an ongoing inflationary environment that has caused a set of new challenges for clients to grapple with:

- An uncertain and volatile market
- Increased risk due to difficulties in predicting cost
- Pressures felt throughout the supply chain
- An increasingly complex and challenging climate change agenda that will need to balance energy and resource security alongside rapid progress toward Paris Agreement goals
- The conflict in Ukraine causing huge market shifts and resource restrictions

These problems are sizeable and complex. In addition, a looming viability challenge, caused by the likely cooling of an asset boom across sectors such as housing, commercial and logistics following COVID-19, could exacerbate the situation further.

With little room left to maneuver, boosting productivity is key. Global labor productivity averaged just 1% over the last two decades, according to the McKinsey Global Institute. If values are to grow, organizations will need to make some rapid changes to protect and maximize their returns. A focus on managing the cost drivers, as well as proactive risk management and maximizing organization-specific value must take center stage.



Attachment 2

2022 Updated OPCC on Bid Form

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
1.	Aggregate Sum (Divided into 4 payments)	For performing preparatory work and operations in mobilizing and demobilizing for the work of the Project including those operations necessary for the movement of personnel, equipment, supplies and incidentals to the Project site and for the establishment of temporary facilities, safety equipment and first aid supplies, sanitary and temporary structures, temporary utilities, and any other appurtenances necessary for performing the work, shop drawings and contractor's submittals, the costs of bonds, required insurance and other preconstruction expense; but excluding materials and permit costs, both of which are paid under other payment items; complete for the aggregate sum of _____ Dollars and _____ Cents	\$ 1,878,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
2.	Aggregate Sum	For construction of new Chlorine Contact Chamber 10, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, drainage, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, slide gates, weirs; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the new Chlorine Contact Chamber 10 (and piping for future Chlorine Contact Chamber 11) to the Filters Effluent Piping Manifold and to the Chlorine Contact Chambers 5-9 Effluent Manifold, not covered by other Bid Items. The aggregate sum of _____ Dollars and _____ Cents	\$ 7,804,000.00
3.	Aggregate Sum	For construction of concrete slab, installation of above ground wellhead equipment, and piping for existing Injection Wells IW-18, IW-19, and IW-20, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; furnishing, installing, and testing all equipment including but not limited to piping, isolation and pressure relief valves, magnetic flow meters, pipe supports, harnessed flanged adapter couplings (HFACs), and submersible sump pumps; furnishing and installing all structural components; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the connection of the IW-18, IW-19, and IW-20 to the Plant Effluent Loop Pipe. The aggregate sum of: _____ Dollars and _____ Cents	\$ 2,093,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
4.	Aggregate Sum	For construction of the new 72" Plant Effluent Loop Interconnect pipeline between the Effluent Pump Station No. 2 (EPS2) discharge manifold and the north side of the Plant Effluent Loop, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all 72-inch Plant Effluent piping, fittings, valves, flow meters, pipe supports; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the installation of the 72" Plant Effluent Loop Interconnect Pipeline not covered by other Bid Items, including installation of 72" piping inside of the existing 84" siphons. _____ _____ Dollars and _____ Cents	\$ 26,353,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
5.	Aggregate Sum	For construction of the new 108-inch Filtered Effluent Pipeline to the chlorine contact tanks, modifications to the Filtered Effluent Flume, any related yard piping work, and any associated work; for any required demolition; any temporary bypass; site preparation, dewatering, excavation and disposal of unsuitable backfill materials, including shoring, trenching and backfilling; protection of foundation of existing structures and sheet piling; general site civil work including paving, grading, and aboveground and underground water/sewer utilities including deflection/replacement of conflicting water/sewer utilities; modifications to existing process piping; furnishing, installing, and testing all 108-inch Filtered Effluent piping, fittings, valves, flow meters, pipe supports; furnishing, installing, and testing stop logs for the new 108-inch and the existing 120-inch pipes to isolate the two Filtered Effluent Pipelines; furnishing and installing all structural and architectural features and components; all building mechanical work; all electrical work; all instrumentation & control work, and other components. This item also includes any equipment, labor, and appurtenances related to the installation of the 108-inch Filtered Effluent Pipeline not covered by other Bid Items. The aggregate sum of _____ _____ Dollars and Cents	\$ 14,814,000.00
6.	Subtotal	The sum of Bid Item Nos. 1 through 5	\$ 52,942,000.00
7.	Contingency Account	For unforeseeable conditions, minor construction changes and quantity adjustments, additional work not covered by other items, if ordered by the Engineer, 10.0% of Item No. 6, $(0.10) \times (\text{Item No. 6})$. TO BE CALCULATED BY THE COUNTY _____	\$ 5,294,200.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

<u>Item No.</u>	<u>Estimated Quantity</u>	<u>Description</u>	<u>Total</u>
8.	Permitting Dedicated Allowance	This item establishes a fund for reimbursement of the cost of required construction permits, fees, inspections, and/or impact fees, if authorized by the Engineer, 3.0% of Item No. 6, (0.03)x(Item No.6). Payment shall reimburse the CONTRACTOR for only the cost of the construction permits or fees. Any question of whether construction permits or fees are required shall be decided by the Engineer whose word shall be final. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with the OWNER. TO BE CALCULATED BY THE COUNTY	\$ 1,588,260.00
9.	Lead and Asbestos Dedicated Allowance	This item establishes a fund for Lead and Asbestos abatement, if authorized by the ENGINEER, for the duration of the project. A written authorization by the ENGINEER must be obtained prior to performing the WORK to obtain reimbursement under this item. Any portion of this fund remaining after all authorized payments have been made will be withheld from contract payments and will remain with OWNER. <u>Eighty thousand Dollars and 00 Cents</u>	\$ 80,000.00
10.	Underground Utility Conflicts Dedicated Allowance	This item establishes a fund for all labor, material, equipment and services necessary for modification or extra work to address underground utility conflicts that were unknown at the time the Bid Documents were issued and discovered during construction. <u>One hundred fifty thousand Dollars and 00 Cents</u>	\$ 150,000.00
11.	Contaminated Soils Dedicated Allowance	This item establishes a fund for all labor, materials, equipment and services necessary for modification or extra work to address any contaminated soils unknown at the time when the Bid Documents were issued and discovered during construction. <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$ 350,000.00

**PROPOSAL FOR OCEAN OUTFALL LEGISLATION PROGRAM SOUTH DISTRICT WASTEWATER
TREATMENT PLANT CONSTRUCTION PACKAGE ST-2C**

**CHLORINE CONTACT TANK
CONTRACT NO. S-933**

Item No.	Estimated Quantity	Description	Total
12.	Allowance Account for Testing, Handling, and Disposing of Petroleum-Contaminated Soils	For Testing, Handling, and Disposing of Petroleum-Contaminated Soils - Compliance with potential contaminated soil handling guidelines per SWP Guidance No. 1. This item includes temporary stockpile of soil on an impermeable surface preventing contaminant runoff in accordance with FAC 62-780.500. This item includes collection and analysis of composite samples for petroleum constituents in accordance with table in SWP Guidance No. 1 by a qualified consultant. This item includes laboratory analysis of samples according to table in SWP Guidance No. 1. This item includes disposal of soil exceeding applicable criteria in a landfill or a permitted hazardous waste treatment, storage, and disposal facility depending on level of contamination. If authorized by the ENGINEER, for the duration of the project. <u>Three hundred fifty thousand Dollars and 00 Cents</u>	\$ 350,000.00
13.	Allowance Account for Handling and Disposing of Contaminated Groundwater	This item establishes a fund for handling and disposing of contaminated water associated with contaminated soils and groundwater encountered during construction activities as described in Section 02 22 10 Environmental Contamination, if authorized by the ENGINEER. <u>One hundred twenty thousand Dollars and 00 Cents</u>	\$ 120,000.00
14.	Total Allowances	This item is the subtotal of Item Nos. 8 through 13 <u>TO BE CALCULATED BY THE COUNTY</u>	\$ 2,638,260.00
15.	TOTAL	TOTAL BID (Sum of Bid Items 6, 7, and 14)	\$ 60,874,460.00
16.	Time Allowance, Calendar Days	Time Allowance Account - For Unforeseeable Conditions, Minor Construction Changes and Quantity Adjustments, additional work not covered by other items, <u>if authorized by the ENGINEER</u>	74

Notes: (1) For a detailed description of each Proposal Bid item, refer to **Specification Section 01 29 00 - MEASUREMENT AND PAYMENT**.

(2) Acceptance or award of a bid shall not be considered as approval of equipment listed in the Bid. Equipment approval shall be by submission and review of shop drawings as stated elsewhere in these specifications.

Daily Liquidated Indirect Costs Rate = \$ _____ Per Day

The Contractor shall calculate their Liquidated Indirect Costs Rate and retain this calculation with their bid preparation documents. This amount is the daily rate due to the Contractor in the event of a Compensable Time Extension. The Liquidated Indirect Costs Rate above is subject to negotiation prior to award. The County reserves the right to audit the Contractor's calculations and to reject the bid if a mutually agreed Liquidated Indirect Costs Rate cannot be negotiated. The amount of Liquidated Indirect Cost recoverable shall be capped at an amount as set by the Base Value (i.e. Subtotal) of the Contract divided by the Contract Duration (i.e. Final Completion) times 5%.



Capital Improvements Information System

Contractor Evaluations Report (All Contracts)

Exhibit
F

<u>Dept</u>	<u>Contract</u>	<u>Type</u>	<u>Contractor / Architect Name</u>	<u>Date</u>	<u>Rater</u>	<u>Period</u>	<u>Rate</u>
WS	<u>S-912</u>	CON	<u>Daniel O'Connell's Sons, Inc.</u>	1/14/2020	Huren An (Jeff)	Interim	<u>2.7</u>
WS	<u>S-896</u>	CON	<u>Daniel O'Connell's Sons, Inc.</u>	1/15/2020	Huren An (Jeff)	Interim	<u>2.5</u>
WS	<u>S-912</u>	CON	<u>Daniel O'Connell's Sons, Inc.</u>	8/4/2020	Huren An (Jeff)	Interim	<u>2.9</u>
WS	<u>S-912</u>	CON	<u>Daniel O'Connell's Sons, Inc.</u>	7/23/2021	Huren An (Jeff)	Interim	<u>2.4</u>
WS	<u>S-943</u>	CON	<u>Daniel O'Connell's Sons, Inc.</u>	7/23/2021	Huren An (Jeff)	Interim	<u>2.1</u>

Evaluation Count: 5 Contractors: 1 Average Evaluation: 2.5

CONTRACT

THIS CONTRACT, made and entered into on the _____ day
 of _____, 20_____, by and between Miami-Dade County, Florida,
 acting by and through the Office of the Mayor, party of the first part (hereinafter sometimes
 called the "County"), and Daniel O'Connell's Sons, Inc., party of the second part
 (hereinafter sometimes called "Contractor");

WITNESSETH

That the parties hereto, for and in consideration of the covenants and agreements hereinafter set forth,
 mutually agree as follows, to wit:

1. That the Contractor shall furnish all labor, materials and equipment and perform all work in the
 manner and form provided by the Contract Documents covering the Project of the County known
 and identified as

**"OCEAN OUTFALL LEGISLATION PROGRAM CONSTRUCTION PACKAGE -
 CHLORINE CONTACT TANK (ST-2C) SOUTH DISTRICT WASTEWATER
 TREATMENT PLANT, CONTRACT NO. S-933"**

for the aggregate amount reflected by the Proposal, said aggregate amount being of Sixty
 Million Nine Hundred Thirty Six Thousand Six Hundred Ten Dollars and No Cents (U.S.
 Dollars) \$60,936,610.00.

2. That the Contractor shall begin the work to be performed under this Contract on a day to be
 specified in a written order issued by the Engineer, and shall fully complete all work hereunder within the
 time or times stated in the Proposal.

3. That the County shall pay to the Contractor for the faithful performance of this Contract, in lawful
 money of the United States, and subject to additions and deductions as provided in the Contract
 Documents, the total amount of the Proposal as set forth above at the times and in a manner stated in the
 General Covenants and Conditions of the Contract Documents.

4. It is further mutually agreed that if at any time after the execution of this Contract, Surety
 Performance and Payment Bond, the County shall deem the surety upon such bonds to be
 unsatisfactory, or if for any reason such bond shall become inadequate to cover the performance of the
 work, the Contractor shall at its own expense, within five (5) days after the receipt of notice from the
 County to do so, furnish an additional bond or bonds in such form and amount and with such surety or
 sureties as shall be satisfactory to the County. In such event, no further payment to the Contractor shall
 be deemed to be due under this Contract until such new or additional security shall have been furnished
 in a manner and form satisfactory to the County.

5. The "Contract Documents" are hereby defined as the Questionnaire, the Advertisement for Bids,
 the Instructions to Bidders, the Proposal, the Certified Resolution (Proposal/Prescribed Bid Bond), the
 Prescribed Bid Bond, the Contract, the Surety Performance and Payment Bond, the Certified Resolution
 (Contract/ Surety Performance and Payment Bond), the General Terms and Conditions, the
 Supplemental General Terms and Conditions, Special Provisions, the Supplemental General Conditions
 (if Ordinance 90-143 is applicable) including Wage and Benefit Schedules, the Specifications, the Plans,
 any Addenda which may be issued, the Subcontractor /Supplier Listing Form (Ordinance 97-104 as
 amended by Ordinance 00-30), the Reporting Subcontracting Policies and Procedures (Ordinance 98 -15

CONTRACT

9), the Small Business Enterprise Programs Participation Provisions and Forms (if applicable), and the provisions for the following: Vendors Affidavit (Uniform County Affidavits); Criminal Record (Felony) (as amended by Ordinance 00-30; Community Workforce Program County Code Section 2-1701, Office of Miami-Dade County Inspector General (IG) (if Ordinance 97-215 as amended by Ordinance 99-15 is applicable); Sworn Statement – Public Entity Crimes [Florida Statute Sect. 287.133 (3) (a)]; Change Orders; Notice to Proceed, Referenced Codes and Standards, Warranties and Guarantees, all related correspondence, field notes, logs, and other documents.

The General Terms and Conditions of said Contract Documents are incorporated herein by reference and made a part hereof as though fully set forth herein. The Contract Documents are complementary, so that a recital in one is tantamount to a recital in all, and the Contractor specifically acknowledges that it has read and understands all of said Contract Documents.

6. The various indemnities of the Contractor contained in the Contract Documents indemnifying the County from liability for damages to persons or property caused by acts, omissions, or defaults in the performance of the Contract Documents shall have a monetary limitation of the larger of the following: \$1,000,000.00, or the entire amount of the Contract.

7. The County retains the right to audit any and all information regarding this Contract as described in the General Covenants and Conditions, Section 41 "Audit Rights and Review of Records".

8. Notwithstanding and prevailing over any other provision of the Contract Documents to the contrary, the County Mayor or Mayor's designee's, may exercise the provisions of Section 2-8.2.12 (4)(d) and (e) of the Code of Miami-Dade County. Any change orders or amendments shall not exceed 10 percent of the base contract price in cumulative percentage amount; provided however, that the foregoing limitation shall not apply to any change order or amendment related to emergency actions impacting remediation, public safety, health requirements or recovery from natural disaster and the foregoing change orders and amendments shall require ratification by the Board; provided further that the County Mayor or his designee may reduce in any amount the scope and compensation payable under this Contract and grant compensable and non-compensable time extensions thereunder. Pursuant to Section 2-8.2.12 (5), the County Mayor or the County Mayor's designee's award and execution of this Contract is subject to ratification by the Board of County Commissioners. If the Mayor or the Mayor's designee's action is not ratified, and such legislative action becomes final, this Contract shall be deemed terminated without further notice. In such event, the Contractor shall not be entitled to recovery of any lost profits or other consequential or indirect damages. However, the Contractor is eligible for payment for any work done prior to failure of the ratification, in accordance with General Terms and Conditions Article 11.D(1) Termination for Convenience.

CONTRACT

IN WITNESS WHEREOF, the parties hereto have executed this Contract in four (4) counterparts, each of which shall be deemed an original Contract, all as of the day and year first hereinbefore written.

(OFFICIAL SEAL)

ATTEST: Harvey Ruvin
Clerk of the Board

MIAMI DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Mayor or Mayor's Designee

(PARTY OF THE FIRST PART)

Approved as to Form and Legal Sufficiency

Assistant County Attorney
Miami-Dade Water and Sewer Department

WHEN THE CONTRACTOR IS A CORPORATION

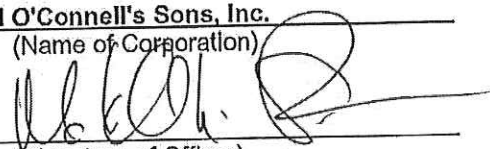
(CORPORATION SEAL)

ATTEST


(Secretary)

PETER CHERICHETTI
(Print or type name)

Daniel O'Connell's Sons, Inc.
(Name of Corporation)

By: 
(Signature of Officer)

Matthew M. Sturm
(Print or type name)

Florida Operations Manager
(Official Title)

2999 N.E. 191 Street, Suite 906

Aventura, FL 33180
(Address)

(PARTY OF THE SECOND PART)

*

Attach to each counterpart a certified copy of a resolution of the Board of Directors of the corporation authorizing the officer who signs the Contract and Surety Performance and Payment Bond to do so in its behalf.

MINUTES OF ANNUAL MEETING
DANIEL O'CONNELL'S SONS, INC.
BOARD OF DIRECTORS
MAY 20, 2021

The Annual Meeting of the Stockholders of Daniel O'Connell's Sons, Inc. was held virtually on Thursday, May 20, 2021 at 3 p.m.

Present: Joubin Hassanein, Joseph Imelio, Paul Praderio, and Peter Cherichetti

Upon motion duly made and seconded, Joubin Hassanein was elected Chairman of the meeting and Peter D. Cherichetti was elected Secretary, thereof.

Minutes of all Board of Directors meetings held since the last Annual Board of Directors Meeting were reviewed and were unanimously accepted.

The meeting then proceeded to the election of Officers of the Corporation to serve until the next annual meeting.

Upon motion, duly made and seconded, it was unanimously

VOTED: To Elect the Officers as listed below:

For President:	Joubin Hassanein
For Treasurer:	James N. Sullivan
For Secretary:	Peter D. Cherichetti

Upon motion, duly made and seconded, it was unanimously

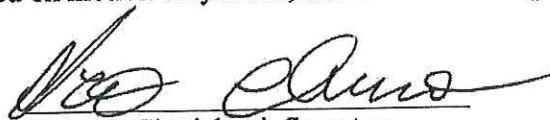
VOTED: To ratify and confirm all actions taken by the Officers on behalf of the Corporation since the last annual directors meeting.

Upon motion, duly made and seconded, it was unanimously

VOTED: That the President and Treasurer are hereby authorized to execute leases, agreements, mortgages, extensions of mortgages, guarantees, contracts and bid documents of all kinds, deeds and other instruments relating to the real and personal property, or both, of the Corporation, and to sign notes on behalf of the Corporation as evidence of any loans made by it, subject to any limitations which may be imposed by the Directors.

Additionally, Paul Praderio, Joseph Imelio, Christine Jablonski, Jeremy Smith, Peter L'Hommedieu, Jeff Weinman, Steve Nannini and Mathew Sturm are hereby authorized to execute contracts and bid documents of all kinds relating to construction projects. George Volpicelli and Peter Cherichetti are authorized to sign bid documents relating to construction contracts.

There being no further business, the meeting was adjourned on motion duly made, and seconded and passed.


Peter D. Cherichetti, Secretary

CERTIFIED RESOLUTION

I, Peter Cherichetti, the duly elected Secretary of
(Name)

Daniel O'Connell's Sons, Inc., a Corporation organized and existing under
the laws of the State of Massachusetts, do hereby certify that the following Resolution
was unanimously adopted and passed by a quorum of the Board of Directors of the said
Corporation at a meeting held in accordance with law and the by-laws of the said
Corporation:

"IT IS HEREBY RESOLVED that Matthew M. Sturm, the duly elected
(Name)
Operations Manager of Daniel O'Connell's Sons, Inc.
(Title of Officer)

be and is hereby authorized to execute and submit a Contract and Surety Performance
and Payment Bond to Miami-Dade County, Florida, and the Miami-Dade Water and
Sewer Department, respectively, for a certain Project entitled

**OCEAN OUTFALL LEGISLATION PROGRAM CONSTRUCTION PACKAGE
- CHLORINE CONTACT TANK (ST-2C) SOUTH DISTRICT WASTEWATER
TREATMENT PLANT, CONTRACT NO. S-933**

and such other instruments in writing as may be necessary in behalf of the said
Corporation, and that the Contract, Surety Performance and Payment Bond and other
such instruments signed by him shall be binding upon the said Corporation as its own
acts and deeds."

I further certify that the above Resolution is in force and effect and has not been
revised, revoked or rescinded.

Given under my hand and the Seal of the said Corporation this _____ day
of _____, 20____.
(Month) (Year)

By:


(Secretary)

Peter Cherichetti, Corporate Secretary
(Print or type name)

Daniel O'Connell's Sons, Inc.
(Corporate Title)

(SEAL)

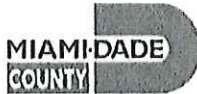


Exhibit
H

NON-COLLUSION AFFIDAVIT

(In accordance with Sections 2-8.1.1 and 10-33.02.1 of the Code of Miami-Dade County)

I, the undersigned, am over 18 years of age, have personal knowledge of the facts stated in the Non-Collusion Affidavit (*this Affidavit*) and I am an owner, officer, director, principal shareholder and/or otherwise authorized to bind the Bidder/Proposer of this solicitation.

A. I have reviewed the list of respondents attached to this Affidavit. I state that the Bidder/Proposer of this competitive solicitation (check one):

☒ is not related to any of the other respondents submitting a Bid/Proposal in the competitive solicitation.

☐ is related to the following respondents who submitted a Bid/Proposal in the competitive solicitation, which are identified and listed below:

B. I state that the Bidder/Proposer of this competitive solicitation:

1. has prepared this Bid/Proposal independently without consultation, communication, agreement or arrangement with any other Bidder/Proposer or competitor for the purpose of restricting competition;
2. has submitted the Bid/Proposal in its own behalf, and not in the interest or on behalf of any person not therein named;
3. has not, directly or indirectly, induced or solicited any other Bidder/Proposer to put in a sham proposal, or any other person, firm, or corporation to refrain from proposing;
4. has not in any manner sought by collusion to secure an advantage over any other Bidder/Proposer.

Note: Any person or entity that fails to submit this executed Affidavit shall be ineligible for contract award. In accordance with Section 2-8.1.1 of the Code of Miami-Dade County, where two or more related parties, as defined herein, each submit a Bid for any contract, such Bids shall be presumed to be collusive. The foregoing presumption may be rebutted by the presentation of evidence as to the extent of ownership, control and management of such related parties in preparation and submittal of such Bids. **Related parties** shall mean the Bidder/Proposer; the principals, corporate officers, and managers of a Bidder/Proposer; or the spouse, domestic partner, parents, stepparents, siblings, children or stepchildren of a Bidder/Proposer or the principals, corporate officers and managers thereof which have a direct or indirect ownership interest in another Bidder/Proposer for the same contract or in which a parent company or the principals thereof of one Bidder/Proposer have a direct or indirect ownership interest in another Bidder/Proposer for the same contract. Bid/Proposal found to be collusive shall be rejected. Bidder/Proposer who has been found to have engaged in collusion may be considered non-responsible, and may be suspended or debarred, and any contract resulting from collusive bidding may be terminated for default.

Written Declaration: Pursuant to §92.525, Florida Statutes, under penalties of perjury, I declare that I have read the foregoing Affidavit and that the facts stated in it are true, accurate, and complete.

Solicitation No. S-933

Solicitation Title: Ocean Outfall Legislation, Chlorine Contact

By: [Signature]

Signature of Affiant

Date: JULY 28 2022

Matthew M. Sturm, Florida Operations Manager

Printed Name of Affiant and Title

0 / 4 / 1 / 6 / 8 / 5 / 5 / 8 / 0

Federal Employer Identification Number

Daniel O'Connell's Sons, Inc.e

Printed Name of Bidder/Proposer

2999 NE 191st, Aventura, FL 33180

Address of Bidder/Proposer



Exhibit A

Below listed are all other parties (legal entity) bidding/proposing in competitive

Solicitation No. -----

Solicitation Title: -----



Miami-Dade County

VENDOR AFFIDAVITS FORM

(Uniform County Affidavits)

**Internal Services Department (ISD)
Procurement Management Services Division
Vendor Services Section**111 NW 1st Street, Suite 1300, Miami, Florida 33128-1974
Telephone: 305-375-5773www.miamidade.gov/procurement

The completion of the Vendor Affidavits Form allows vendors to comply with affidavit requirements outlined in Section 2-8.1 of the Code of Miami-Dade County. Vendors are required to have a complete Vendor Registration Package on file, including required affidavits, prior to the award of any County contract. **It is the vendor's responsibility to keep all affidavit information up to date and accurate by submitting any updates to the ISD, Procurement Management Services Division, Vendor Services Section.**

**Exhibit
I****FEDERAL EMPLOYER
IDENTIFICATION NUMBER (FEIN)**

In order to establish a file for your firm, you must enter your firm's FEIN. This number becomes your "County Vendor Number". Please enter your Federal Employee Identification Number (FEIN) or if none, then enter the owner's Social Security Number (SSN).

☒ **FEIN** 04-1685580**NORTH AMERICAN INDUSTRY
CLASSIFICATION SYSTEM (NAICS)**

The North American Industry Classification System (NAICS) is the standard used by the federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing and publishing statistical data related to the U.S. business economy.

☒ **NAICS Code** 221320**SECTION 2: VENDOR AFFIDAVITS FORM (pages 5-8)**

Daniel O'Connell's Sons, Inc.

A) Name of Entity, Individual(s), Partners or Corporation

2999 NE 191st, Ste. 906

Aventura

Street Address (P.O. Box Number is not permitted)

City

B) Doing Business As (If same as line A, leave blank)

FL

USA

33180

State (U.S.A.)

Country

Zip Code

1. MIAMI-DADE COUNTY OWNERSHIP DISCLOSURE AFFIDAVIT
(Sec. 2-8.1 of the Miami-Dade County Code)

Firms registered to do business with Miami-Dade County, shall require the person contracting or transacting such business with the County to disclose under oath his or her full legal name, and business address. Such contract or transaction shall also require the disclosure under oath of the full legal name and business address of all individuals having any interest (legal, equitable, beneficial or otherwise) in the contract other than subcontractors, materialmen, suppliers, laborers or lenders. Post office box addresses shall not be accepted hereunder. If the contract or business transaction is with a corporation the foregoing information shall be provided for each officer and director and each stockholder holding, directly or indirectly, five (5) percent or more of the outstanding stock in the corporation. If the contract or business transaction is with a partnership, the foregoing information shall be provided for each partner. If the contract or business transaction is with a trust, the foregoing information shall be provided for the trustee and each beneficiary of the trust. The foregoing disclosure requirements shall not apply to contracts with publicly-traded corporations, or to contracts with the United States or any department or agency thereof, the State or any political subdivision or agency thereof, or any municipality of this State. Use duplicate page if needed for additional names.

If no officer, director or stockholder owns (5%) or more of stock, please write "None" below.

PRINCIPALS

FULL LEGAL NAME	TITLE	ADDRESS
Joubin Hassanein	President	800 Kelly Way, Holyoke, MA 01040
James Sullivan	Treasurer	800 Kelly Way, Holyoke, MA 01040
Peter Cherichetti	Corporate Secretary	800 Kelly Way, Holyoke, MA 01040

OWNERS**CHECK BOXES BELOW**

FULL LEGAL NAME	TITLE	% OF OWNERSHIP	ADDRESS	GENDER		RACE / ETHNICITY						
				M	F	White	Black	Hispanic	Asian/Pacific Islander	Native American/Alaskan Native	Other	

If a percentage of the firm is owned by a publicly traded corporation or by another corporation, indicate below in the space "Other Corporations".

OTHER CORPORATIONS	% OF OWNERSHIP											
The O'Connell Companies	100	800 Kelly Way, Holyoke, MA 01040										

2. MIAMI-DADE COUNTY EMPLOYMENT DISCLOSURE AFFIDAVIT

(County Ordinance No. 90-133, amending Section 2.8-1(d)(2) of the Miami-Dade County Code)

The following information is for compliance with all items in the aforementioned Section:

1. Does your firm have a collective bargaining agreement with its employees? Yes _____ No X
2. Does your firm provide paid health care benefits for its employees? Yes X No _____
3. Provide a current breakdown (number of persons) in your firm's work force indicating race, national origin and gender.

		NUMBER OF EMPLOYEES	
		Males	Females
White		64	42
Black		4	0
Hispanic		6	7
Asian/Pacific Islander		1	0
Native American/Alaskan Native		0	0
Other		0	0
Total Number of Employees		75	49
		124	
		Total Employees	

3. MIAMI-DADE COUNTY EMPLOYMENT DRUG-FREE WORKPLACE CERTIFICATION

(Section 2-8.1.2(b) of the Miami-Dade County Code)

All persons and entities that contract with Miami-Dade County are required to certify that they will maintain a drug-free workplace and such persons and entities are required to provide notice to employees and to impose sanctions for drug violations occurring in the workplace.

In compliance with Ordinance No. 92-15 of the Code of Miami-Dade County, the above named firm is providing a drug-free workplace. A written statement to each employee shall inform the employee about:

1. Danger of drug abuse in the workplace
2. The firms' policy of maintaining a drug-free environment at all workplaces
3. Availability of drug counseling, rehabilitation and employee assistance programs
4. Penalties that may be imposed upon employees for drug abuse violations

The firm shall also require an employee to sign a statement, as a condition of employment that the employee will abide by the terms of the drug-free workplace policy and notify the employer of any criminal drug conviction occurring no later than five (5) days after receiving notice of such conviction and impose appropriate personnel action against the employee up to and including termination. Firms may also comply with the County's Drug Free Workplace Certification where a person or entity is required to have a drug-free workplace policy by another local, state or federal agency, or maintains such a policy of its own accord and such policy meets the intent of this ordinance.

4. MIAMI-DADE COUNTY DISABILITY AND NONDISCRIMINATION AFFIDAVIT

(Article 1, Section 2-8.1.5 Resolution R182-00 Amending R-385-95 of the Miami-Dade County Code)

Firms transacting business with Miami-Dade County shall provide an affidavit indicating compliance with all requirements of the Americans with Disabilities Act (A.D.A.).

I, state that this firm, is in compliance with and agrees to continue to comply with, and assure that any subcontractor, or third party contractor shall comply with all applicable requirements of the laws including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (A.D.A.), Pub. L. 101-336, 104 Stat 327, 42 U.S.C. Sections 225 and 611 including Titles I, II, III, IV and V.

The Rehabilitation Act of 1973, 29 U.S.C. Section 794

The Federal Transit Act, as amended, 49 U.S.C. Section 1612

The Fair Housing Act as amended, 42 U.S.C. Section 3601-3631

I, hereby affirm that I am in compliance with the below sections:

Section 2-10.4(4)(a) of the Code of Miami-Dade County (Ordinance No. 82-37), which requires that all properly licensed architectural, engineering, landscape architectural, and land surveyors have an affirmative action plan on file with Miami-Dade County.

Section 2-8.1.5 of the Code of Miami-Dade County, which requires that firms that have annual gross revenues in excess of five (5) million dollars have an affirmative action plan and procurement policy on file with Miami-Dade County. Firms that have a Board of Directors that are representative of the population make-up of the nation may be exempt.

5. MIAMI-DADE COUNTY DEBARMENT DISCLOSURE AFFIDAVIT

(Section 10.38 of the Miami-Dade County Code)

Firms wishing to do business with Miami-Dade County must certify that its contractors, subcontractors, officers, principals, stockholders, or affiliates are not debarred by the County before submitting a bid.

I, confirm that none of this firm's agents, officers, principals, stockholders, subcontractors or their affiliates are debarred by Miami-Dade County.

6. MIAMI-DADE COUNTY VENDOR OBLIGATION TO COUNTY AFFIDAVIT

(Section 2-8.1 of the Miami-Dade County Code)

Firms wishing to transact business with Miami-Dade County must certify that all delinquent and currently due fees, taxes and parking tickets have been paid and no individual or entity in arrears in any payment under a contract, promissory note or other document with the County shall be allowed to receive any new business.

I, confirm that all delinquent and currently due fees or taxes including, but not limited to, real and personal property taxes, convention and tourist development taxes, utility taxes, and Local Business Tax Receipt collected in the normal course by the Miami-Dade County Tax Collector and County issued parking tickets for vehicles registered in the name of the above firm, have been paid.

7. MIAMI-DADE COUNTY CODE OF BUSINESS ETHICS AFFIDAVIT

(Article 1, Section 2-8.1(f) and 2-11(b)(1) of the Miami-Dade County Code through (6) and (9) of the County Code and County Ordinance No 00-1 amending Section 2-11.1(c) of the County Code)

Firms wishing to transact business with Miami-Dade County must certify that it has adopted a Code that complies with the requirements of Section 2-8.1 of the County Code. The Code of Business Ethics shall apply to all business that the contractor does with the County and shall, at a minimum, require the contractor to comply with all applicable governmental rules and regulations.

I confirm that this firm has adopted a Code of business ethics which complies with the requirements of Sections 2-8.1 of the County Code, and that such code of business ethics shall apply to all business that this firm does with the County and shall, at a minimum, require the contractor to comply with all applicable governmental rules and regulations.

8. MIAMI-DADE COUNTY FAMILY LEAVE AFFIDAVIT

(Article V of Chapter 11, of the Miami-Dade County Code)

Firms contracting business with Miami-Dade County, which have more than fifty (50) employees for each working day during each of twenty (20) or more work weeks in the current or preceding calendar year, are required to certify that they provide family leave to their employees.

Firms with less than the number of employees indicated above are exempt from this requirement, but must indicate by letter (signed by an authorized agent) that it does not have the minimum number of employees required by the County Code.

I confirm that if applicable, this firm complies with Article V of Chapter 11 of the County Code, which requires that firms contracting business with Miami-Dade County which have more than fifty (50) employees for each working day during each of twenty (20) or more work weeks in the current or preceding calendar year are required to certify that they provide family leave to their employees.

9. MIAMI-DADE COUNTY LIVING WAGE AFFIDAVIT

(Section 2-8.9 of the Miami-Dade County Code)

All applicable contractors entering into a contract with the County shall agree to pay the prevailing living wage required by this section of the County Code.

I confirm that if applicable, this firm complies with Section 2-8.9 of the County Code, which requires that all applicable employers entering a contract with Miami-Dade County shall pay the prevailing living wage required by the section of the County Code.

10. MIAMI-DADE COUNTY DOMESTIC LEAVE AND REPORTING AFFIDAVIT

(Article 8, Section 11A-60 - 11A-67 of the Miami-Dade County Code)

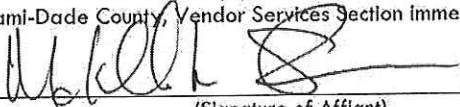
Firms wishing to transact business with Miami-Dade County must certify that it is in compliance with the Domestic Leave Ordinance.

I confirm that if applicable, this firm complies with the Domestic Leave Ordinance. This ordinance applies to employers that have, in the regular course of business, fifty (50) or more employees working in Miami-Dade County for each working day during the current or preceding calendar year.

AFFIRMATION

I, being duly sworn, do attest under penalty of perjury that the entity is in compliance with all requirements outlined in these Miami-Dade County Vendor Affidavits.

I also attest that I will comply with and keep current all statements sworn to in the above affidavits and registration application. I will notify the Miami-Dade County, Vendor Services Section immediately if any of the statements attested hereto are no longer valid.


(Signature of Affiant)

June 7, 2022
(Date)

Matthew M. Sturm, Florida Operations Manager
Printed Name of Affiant and Title

NOTARY PUBLIC INFORMATION

Notary Public -
State of:

Florida
State

Dade
County of

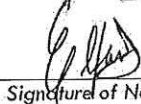
SUBSCRIBED AND SWORN TO (or affirmed) before me this 7th day of June 20 22

by Matthew M. Sturm

He or she is personally known to me ☒

Or has produced identification ☐

Type of Identification Produced


Signature of Notary Public

Comm. HH260567
(Serial Number)



Caridad D. Alfaro
Comm. HH 260567
Expires: May 2, 2026
Notary Public - State of Florida

May 2, 2026
Expiration Date

Notary Public Seal
(When applicable)

Exhibit
JHelp & Tools 

Vendor Profile: Contracts

[General](#) [Public Profile](#) [Users](#) [Commodity Codes](#) [Contacts](#) [Certifications](#) **[Contracts](#)** [Workforce Comp/EEO](#) [EDP Registrations](#)

Daniel O'Connell's Sons, Inc.

System Vendor Number: 20501891

[Mark As Favorite](#)

Listed below are the contracts to which this vendor is assigned.

Contracts as Prime Contractor

Actions	Contract Number & Title	Prime Contact	Status	Dates	Award Amount	Paid Amount
View	TS896: CD 3.05 NDWWTP 2nd Clarifiers	Matthew Sturm	1 incomplete audit	2/20/2019 to 11/19/2022	\$22,841,250	\$14,886,133
View	T912: CD 3.06 NORTH DISTRICT WASTEWATER TREATMENT PLANT DISINFECTION FACILITY IMPROVEMENTS	Matthew Sturm		3/12/2019 to 8/31/2020	\$12,430,010	\$11,047,325
View	TS943: CDWWTP ELECTRICAL IMPROVEMENT	Matthew Sturm	1 incomplete audit	7/21/2020 to 11/14/2021	\$9,966,020	\$6,510,995
View	S930B: ST-2D-B South District Wastewater Treatment Plant Substantions 5/6 & 15/16	Caridad Alfaro		5/2/2022 to 9/30/2022	\$21,805,340	\$0
Number of contracts as prime: 4					\$67,042,620	\$32,444,453

Contracts as Subcontractor

No contracts assigned as a subcontractor.

[Customer Support](#)

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MEMORANDUM

(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: October 18, 2022

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(O)(1)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☐ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☒ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(O)(1)
10-18-22

RESOLUTION NO. _____ R-1009-22

RESOLUTION AWARDED CONTRACT S-933 TO DANIEL O'CONNELL'S SONS, INC. WITH A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$60,936,610.00 AND A TOTAL CONTRACT TERM OF 731 CALENDAR DAYS PLUS A 74-CALENDAR DAY CONTINGENCY PERIOD FOR THE CONSTRUCTION OF A CHLORINE CONTACT TANK AT SOUTH DISTRICT WASTEWATER TREATMENT PLANT; AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE SAME AND TO EXERCISE THE TERMINATION AND OTHER PROVISIONS CONTAINED THEREIN

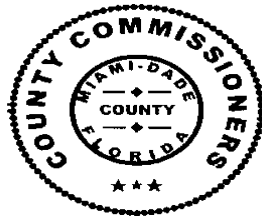
WHEREAS, this Board desires to accomplish the purpose outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby awards a Contract S-933 to Daniel O'Connell's Sons, Inc. with a total contract amount not to exceed \$60,936,610.00 and a total contract term of 731 calendar days plus a 74-calendar day contingency period for the Construction of a Chlorine Contact Tank at the South District Wastewater Treatment in substantially the form attached to the accompanying Mayor's Memorandum and made a part hereof. The Board also authorizes the County Mayor or County Mayor's designee to execute Contract S-933 and to exercise the termination and other provisions contained therein.

The foregoing resolution was offered by Commissioner **Rebeca Sosa**, who moved its adoption. The motion was seconded by Commissioner **Oliver G. Gilbert, III** and upon being put to a vote, the vote was as follows:

Jose "Pepe" Diaz, Chairman	aye		
Oliver G. Gilbert, III, Vice-Chairman	aye		
Sen. René García	aye	Keon Hardemon	aye
Sally A. Heyman	aye	Danielle Cohen Higgins	aye
Eileen Higgins	aye	Kionne L. McGhee	aye
Jean Monestime	aye	Raquel A. Regalado	aye
Rebeca Sosa	aye	Sen. Javier D. Souto	aye

The Chairperson thereupon declared this resolution duly passed and adopted this 18th day of October, 2022. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

Basia Pruna

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in dark ink, appearing to be "AB" followed by a flourish, positioned above a horizontal line.

Angela F. Benjamin