

**CHANGE ORDER ONE (1)**

No.: One (1)

**PROJECT: WTP CHEMICAL FEED SYSTEM IMPROVEMENTS**

**DATE OF ISSUANCE: 11/9/22**

**OWNER: Village of Wellington**

**OWNER'S PROJECT NO.: 220644**

**CONTRACTOR: Wharton-Smith, Inc.**

**ENGINEER: Kimley-Horn and Associates, Inc.**

**ENGINEER'S PROJECT NO.: 144957072.1**

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You are directed to make the following changes in the Contract Documents.

**Description: Ammonia System Improvements**

**Purpose: Ammonia System Improvements**

**Attachments: GMP Proposal**

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<b>CHANGE IN CONTRACT PRICE</b>	<b>CHANGE IN CONTRACT TIME</b>
<b>Original Contract Price</b>	<b>Original Contract Time</b>
<u>\$206,857.68</u>	<u>228</u> days or date
<b>Previous Change Order No. 1 to No. 1</b>	<b>Net change from previous Change Orders</b>
<u>\$0.00</u>	<u>n/a</u> days
<b>Contract Price prior to this Change Order</b>	<b>Contract Time prior to this Change Order</b>
<u>\$206,857.68</u>	<u>228</u> days or date
<b>Net increase/decrease of this Change Order</b>	<b>Net increase/decrease of this Change Order</b>
<u>\$807,671.88</u>	<u>322</u> days
<b>Contract Price with all approved Change Orders</b>	<b>Contract Time with all approved Change Orders</b>
<u>\$1,014,529.56</u>	<u>594</u> days or date

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**APPROVED:**

by \_\_\_\_\_  
Anne Gerwig  
Mayor

**APPROVED:**

by \_\_\_\_\_  
Anjuli Panse  
Interim Utility Director

**APPROVED:**

by \_\_\_\_\_  
Print : \_\_\_\_\_  
Wharton-Smith, Inc.

# WTP Chemical Feed System Improvements Ammonia System Improvements Village of Wellington



## GMP Proposal

August 18, 2022

Presented by Wharton-Smith (CMAR)



Wharton-Smith Contact:  
Greg Williams – Director of Operations  
gwilliams@whartonsmith.com

Engineer: Kimley Horn

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## SECTION 1 – EXECUTIVE SUMMARY

August 18, 2022

Ms. Anjali Panse, PE  
Assistant Utilities Director  
Village of Wellington  
12300 Forest Hill Blvd.  
Wellington, FL 33414

Re: Ammonia System Improvements – GMP

Dear Ms. Panse:

Wharton-Smith is pleased to submit the Guaranteed Maximum Price (GMP) proposal for the Ammonia System Improvements Project. A comprehensive breakdown of material, equipment, subcontractor, and labor is provided in the supporting documentation following this letter. The GMP for this work is valued at **\$807,671.88**.

Please note the following clarifications regarding this proposal:

1. Per discussions with the Village of Wellington, the following items are provided in accordance with the CMAR GMP Amendment Guide:
  1. The Daily Liquidated Damages are as follows:
    - i. \$500 per calendar day for Substantial Completion.
    - ii. \$250 per calendar day for Final Completion.
  2. The GMP includes an Owner Controlled Contingency of \$85,000
  3. The Contract should be amended to allow Substantial Completion no later than 550 calendar days from Notice to Proceed.
  4. The following is a list of the bid packages and the recommended low responsive bidder. Please refer to Section 3 for the detailed bid evaluation.
    - i. Master Plant Contractor – Wharton Smith
    - ii. Electrical – Loveland Electric
    - iii. Instrumentation and Controls – CC Control
  5. There are no proposed Owner Direct Purchases for this project.
  6. The proposed GMP for the Ammonia System Improvements Project is valued at \$807,671.88. Please refer to Exhibit R2 for the Cost of Work organized by the scope of work bid packages, allowances, Owner's Contingency, and the Construction Manager's Fee.
2. The work is in accordance with Kimley Horn preliminary drawings "WTP Ammonia System Improvements" dated June 2022.
3. We have included the following allowances for work items with undefined scopes at this time. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.
  1. Coatings - \$5,000.00
  2. Site Restoration - \$15,000.00
4. We have included a performance and payment bond and insurances.

5. Costs associated with Davis-Bacon Wages & AIS Requirements have not been included.
6. It is assumed that the Village of Wellington will provide power for use during construction at no cost.
7. Please note that material escalation claims may need to be submitted for Contingency use but will not exceed the Guaranteed Maximum Price.
8. Please note that the Ammonia Tank has a lead time of 10 months from release. Lead time for other components does not exceed 6 months.
9. Please refer to Section 4 for the proposed GMP schedule. Please note that the P6 schedule is referenced in “work days” as the program automatically accounts for *weekends* and holidays. The contract time is expressed in “calendar days”. The 550 calendar days indicated equates to the 429 work days shown in the P6 schedule.

Thank you again for this opportunity to serve the Village of Wellington. As always, I am available to discuss at your earliest convenience.

Respectfully,

Eliana Corie  
Assistant Project Manager  
Wharton-Smith, Inc.

## **SECTION 2 – EXHIBIT R1 DRAWINGS, PLANS AND SPECIFICATIONS**



 *Preliminary Technical Specifications*

# **WATER TREATMENT PLANT AMMONIA SYSTEM IMPROVEMENTS**

COMPLETE SET OF SPECIFICATIONS

*Prepared For:*  
Village of Wellington

*Prepared By:*  
*Kimley-Horn and Associates, Inc.*  
*1920 Wekiva Way, Suite 200*  
*West Palm Beach FL 33411*  
*Ca 00000696*

June 2022  
PROJECT NO. 144957042

**Kimley»»Horn**



**SECTION 01000**

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<u>Division</u>	<u>Section</u>	<u>Title</u>
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	01410	Testing Laboratory Services
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	02065	Demolition
	02200	Earthwork, Excavation and Backfill
	02485	Grassing
<b>3</b>		<b>CONCRETE</b>
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	07190	Vapor Barrier
	07920	Joint Sealants
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	09900	Painting
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<b>14</b>		<b>CONVEYING SYSTEMS – NOT USED</b>
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17300	Instrumentation and Controls

## SECTION 3 – EXHIBIT R2 SCHEDULE OF VALUES



VILLAGE OF WELLINGTON - AMMONIA SYSTEM IMPROVEMENTS

GMP

10/4/2022

**COST SUMMARY**

Direct Costs	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Total Direct Costs	\$ -	\$ -	\$ -	\$ 426,660.60	\$ 426,660.60
Total GC's	\$ 161,669.04	\$ -	\$ 33,277.00	\$ 13,400.00	\$ 208,346.04
Fee				\$ 57,150.60	\$ 57,150.60
<b>Total for Direct Costs</b>	<b>\$ 161,669.04</b>	<b>\$ -</b>	<b>\$ 33,277.00</b>	<b>\$ 497,211.20</b>	<b>\$ 692,157.24</b>
Contingency and Allowances	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Owner Controlled Contingency				\$ 85,000.00	\$ 85,000.00
Dedicated Allowances (see next sheet)				\$ 20,000.00	\$ 20,000.00
<b>Total for Contingencies and Allowances</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 105,000.00</b>	<b>\$ 105,000.00</b>
Bond and Insurance	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Bond				\$ 6,406.58	\$ 6,406.58
Insurance				\$ 4,108.06	\$ 4,108.06
<b>Total for Bond and Insurances</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,514.64</b>	<b>\$ 10,514.64</b>
<b>GMP TOTALS</b>	<b>\$ 161,669.04</b>	<b>\$ -</b>	<b>\$ 33,277.00</b>	<b>\$ 612,725.84</b>	<b>\$ 807,671.88</b>



**COST OF WORK**

DESCRIPTION	QTY	UOM	LABOR	EQUIPMENT	MATERIALS	SUBS	\$ TOTALS	COMMENTS
			\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT		
<b>DIRECT COSTS</b>							\$ 426,660.60	
MASTER PLANT CONTRACTOR	1	LS	\$ -	\$ -	\$ -	\$ 286,444.60	\$ 286,444.60	Wharton-Smith
INSTRUMENTATION & CONTROLS	1	LS	\$ -	\$ -	\$ -	\$ 48,916.00	\$ 48,916.00	CC Control
ELECTRICAL SUBCONTRACTOR	1	LS	\$ -	\$ -	\$ -	\$ 91,300.00	\$ 91,300.00	Loveland Electric
<b>DEDICATED ALLOWANCES</b>							20,000.00	
ALLOWANCE FOR COATINGS	1	LS	\$ -	\$ -	\$ -	5,000.00	5,000.00	
ALLOWANCE FOR SITE RESTORATION	1	LS	\$ -	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00	
<b>TOTAL DIRECT COST</b>			\$ -	\$ -	\$ -	<b>446,660.60</b>	<b>446,660.60</b>	



# Wharton-Smith, Inc.

## CONSTRUCTION GROUP

JOB NAME: AMMONIA SYSTEM IMPROVEMENTS  
 VOW Project: CUT21005(3)

GENERAL CONDITIONS		1144 DIRECT MANHOURS				29		MANWEEKS									
		DURATION =	4	MONTHS, PLANNED	2	MEN											
DESCRIPTION		QTY	UNIT	MH/UNIT	BASE RATE	LABOR		EQUIPMENT		MATERIAL			SUBCONTRACTS		\$ TOTALS		
						U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT	
<b>A PROJECT MANAGEMENT TEAM</b>		W/ 7.0% TAX															
<b>FIELD STAFF</b>																	
1	SUPERINTENDENT I	17.36	WK	24	\$93.00		\$2,232.00	416.64			\$0.00		\$0	\$0.00		\$0	\$38,747.52
2	FIELD ENGINEER	17.36	WK	24	\$61.00		\$1,464.00	416.64			\$0.00		\$0	\$0.00		\$0	\$25,415.04
<b>OFFICE STAFF</b>																	
3	PROJECT MANAGER	17.36	WK	16	\$93.00		\$1,488.00	277.76			\$0.00		\$0	\$0.00		\$0	\$25,831.68
4	PROJECT ENGINEER	17.36	WK	16	\$61.00		\$976.00	277.76			\$0.00		\$0	\$0.00		\$0	\$16,943.36
<b>OTHER STAFF</b>																	
5	COST ACCOUNTANT	17.36	WK	16	\$70.00		\$1,120.00	277.76			\$0.00		\$0	\$0.00		\$0	\$19,443.20
6	SAFETY COORDINATOR	17.36	WK	16	\$95.00		\$1,520.00	277.76			\$0.00		\$0	\$0.00		\$0	\$26,387.20
<b>B RELATED MANAGEMENT COSTS</b>																	
1	HOLIDAY & VACATION PAY	1	LS		\$45.00		\$0.00	0.00			\$0.00		\$0	\$0.00		\$0	\$1,836.24
2	SOFTWARE COSTS	1	LS		\$45.00		\$0.00	0.00			\$0.00		\$0	\$0.00	\$5,400	\$5,400.00	\$5,400.00
3	TRAVEL EXPENSE	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$600.00	\$2,400	\$2,568.00		\$0	\$2,568.00
4	LODGING, MEALS	1	LS		\$45.00		\$0.00	0.00			\$0.00	\$1,000.00	\$1,000	\$1,070.00		\$0	\$1,070.00
<b>C TEMP.FACILITIES &amp; UTILITIES</b>																	
1	WATER, MONTHLY	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$200.00	\$800	\$856.00		\$0	\$856.00
2	CELLULAR TELEPHONE, MONTHLY CHARGES	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$660.00	\$2,640	\$2,824.80		\$0	\$2,824.80
3	FIELD OFFICE, WHARTON SMITH INC	4	MO	0	\$45.00		\$0.00	0.00			\$0.00	\$900.00	\$3,600	\$3,852.00		\$0	\$3,852.00
4	TOOL TRAILERS - <u>1</u> REQUIRED	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$250.00	\$1,000	\$1,070.00		\$0	\$1,070.00
5	TEMPORARY TOILETS - <u>1</u> REQUIRED	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$400.00	\$1,600	\$1,712.00		\$0	\$1,712.00
6	TEMPORARY SEWAGE HOLDING TANKS - ENGINEER & W-S	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$400.00	\$1,600	\$1,712.00		\$0	\$1,712.00
7	SMALL TOOLS AND SUPPLIES	1	LS		\$45.00		\$0.00	0.00			\$0.00	\$3,000	\$3,000	\$3,210.00		\$0	\$3,210.00
8	PM AUTOMOBILE w/ FUEL, OIL, GREASE	4	MO		\$45.00		\$0.00	0.00	1	\$0	\$0.00	\$500.00	\$2,000	\$2,140.00		\$0	\$2,140.00
9	SUPT PICKUP TRUCK w/ FUEL, OIL, GREASE	4	MO		\$45.00		\$0.00	0.00	1	\$0	\$0.00	\$840.00	\$3,360	\$3,595.20		\$0	\$3,595.20
<b>D SAFETY &amp; HEALTH &amp; HOUSEKEEPING</b>																	
1	CLEAN-UP AT END OF PROJECT	1	LS	16	\$45.00		\$720.00	16.00			\$0.00		\$0	\$0.00		\$0	\$720.00
2	CLEAN-UP THROUGHOUT DURATION OF PROJECT	17.36	WK	4	\$45.00		\$180.00	69.44			\$0.00		\$0	\$0.00		\$0	\$3,124.80
3	DUMPSTERS	4	MO		\$45.00		\$0.00	0.00			\$0.00	\$1,500.00	\$6,000	\$6,420.00		\$0	\$6,420.00
<b>TOTAL GENERAL CONDITIONS</b>							2,029.76	158,449.04			\$0		\$31,030.00		\$5,400.00		<b>\$194,879.04</b>
<b>GENERAL REQUIREMENTS</b>																	
<b>A PROJECT DOCUMENTATION AND SERVICES</b>																	
1	INFORMATIONAL SIGNS	1	EA	4	\$45.00		\$180.00	4			\$0.00	\$500.00	\$500	\$535.00		\$0	\$715.00
2	PHOTOGRAPHS	4	MO		\$45.00		\$0.00	0			\$0.00	\$150.00	\$600	\$642.00		\$0	\$642.00
3	PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$45.00		\$0.00	0			\$0.00		\$0	\$0.00	\$2,000.00	\$2,000	\$2,000.00
4	DESIGN SERVICES (CADD) - AS-BUILTS	1	LS	80	\$38.00		\$3,040.00	80			\$0.00		\$0	\$0.00		\$0	\$3,040.00
5	PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$45.00		\$0.00	0			\$0.00	\$1,000.00	\$1,000	\$1,070.00		\$0	\$1,070.00
6	REGISTERED SURVEYOR SERVICES	4	MO		\$45.00		\$0.00	0			\$0.00		\$0	\$0.00	\$1,500.00	\$6,000	\$6,000.00
<b>TOTAL GENERAL REQUIREMENTS</b>							84	3,220.00			\$0		\$2,247.00		\$8,000.00		<b>\$13,467.00</b>



# BID EVALUATION FORMS

Subcontractor Bid  
Evaluation and  
Comparison  
Sheet

Trade Description:  
Project Name:  
Owner:  
Bid Date:

Master Plant Contractor

Ammonia System Improvements

Village of Wellington

Thursday, August 18, 2022

Scope Item Description	Wharton Smith, Inc.	N/A	N/A	N/A
	Greg Williams			
	561-748-5956			
<b>Base Bid Before Alternates</b>	\$ 286,444.60	\$ -		
MPC Work	\$ 286,444.60			
<b>Alternates</b>				
N/A	\$ -			
<b>Bid Document Requirements</b>				
Bid Form	N/A			
Clarifications / Exceptions	N/A			
Acknowledged Addenda	N/A			
<b>Additional Notes</b>				
Payment & Performance Bond Rate	N/A			
Submittal Package Lead Time	N/A			
Material Delivery	10 months			
<b>SUBTOTAL:</b>	\$ 286,445	\$ -		
<b>Bond:</b>	0.00% \$ -	0.00%	0.00%	0.00%
<b>Adjustment</b>	None			
<b>Total Adjusted Scope:</b>	\$ 286,444.60	\$ -	\$ -	\$ -
	\$ 286,444.60	\$ -		

Wharton Smith was the only contractor to provide a bid given the nature of this work. Price includes all the material required for a complete installation of the Ammonia System. The material delivery lead time shown above is for the Ammonia Tank.



Wharton-Smith, Inc.  
CONSTRUCTION GROUP

JOB NAME: AMMONIA SYSTEM IMPROVEMENTS

August 18, 2022

ESTIMATE #: 0

11:50 PM

**BASE BID DIRECTS**

BID ITEM NUMBER	DESCRIPTION	BASE RATE	LABOR		EQUIPMENT \$ AMOUNT	MATERIAL \$ AMOUNT	SUBCONTRACT \$ AMOUNT	\$ TOTALS	PACKAGE VALUE W/ TAX	REMARKS
			MH	\$ AMOUNT						SUB NAME
<b>SUBCONTRACTS</b>										
	<b>MASTER PLANT CONTRACTOR</b>	\$45.00	0	\$0	\$0	\$0	\$0	\$0	<b>\$286,444.60</b>	WHARTON-SMITH
	Place Concrete Pads for Ammonia Tank, Sidewalks, Water Soft	\$45.00	72	\$3,240	\$1,600	\$0	\$0	\$4,840		
	Install Parking Bollards	\$45.00	48	\$2,160	\$0	\$0	\$0	\$2,160		
	Set and Anchor Ammonia Tank	\$45.00	24	\$1,080	\$2,400	\$0	\$0	\$3,480		
	Install Ammonia Supply Piping & Testing	\$45.00	96	\$4,320	\$0	\$0	\$0	\$4,320		
	Install Ammonia Feed Piping & Softenet Piping	\$45.00	144	\$6,480	\$0	\$0	\$0	\$6,480		
	Install Piping & Dosing Point to Clearwell 4	\$45.00	212	\$9,540	\$6,400	\$0	\$0	\$15,940		
	Install Piping & Dosing Point to Clearwell 3	\$45.00	260	\$11,700	\$6,400	\$49,100	\$0	\$67,200	w/ above	
	Demo Old Ammonia Tank/Pad & Panels	\$45.00	48	\$2,160	\$800	\$0	\$0	\$2,960	w/ above	
	Excavate Ductbank	\$45.00	120	\$5,400	\$1,600	\$0	\$0	\$7,000	w/ above	
	Install Ductbank & Pour Concrete	\$45.00	120	\$5,400	\$2,000	\$0	\$0	\$7,400	w/ above	
	Ammonia Tank Purchase	\$45.00	0	\$0	\$0	\$45,100	\$0	\$45,100	w/ above	
	Chemical Feed Panels	\$45.00	0	\$0	\$0	\$77,500	\$0	\$77,500	w/ above	
	Concrete & Rebar	\$45.00	0	\$0	\$0	\$8,000	\$0	\$8,000	w/ above	
	Copper, PVC, CPVC Pipe	\$45.00	0	\$0	\$0	\$11,080	\$0	\$11,080	w/ above	
	HDPE Pipe	\$45.00	0	\$0	\$0	\$4,900	\$0	\$4,900	w/ above	
	Water Softener	\$45.00	0	\$0	\$0	\$4,100	\$0	\$4,100	w/ above	
<b>TOTAL DIRECT COST</b>			<b>1,144</b>	<b>\$51,480</b>	<b>\$21,200</b>	<b>\$199,780</b>	<b>\$0</b>	<b>\$272,460</b>		<b>\$272,460</b>

Subcontractor Bid  
Evaluation and  
Comparison  
Sheet

Trade Description:  
Project Name:  
Owner:  
Bid Date:

Electrical

Ammonia System Improvements

Village of Wellington

Thursday, August 18, 2022

Scope Item Description	Loveland Electric		Stryker		Mills Electric		N/A
	Dave Loveland	561-882-0401	Leonard Stryker	772-219-3389	Jim Stubblefield	954-640-5262	
<b>Base Bid Before Alternates</b>	\$	91,300.00	\$	-	\$	-	\$ -
Electrical Package	\$	91,300.00		NO BID		NO BID	
			\$	-	\$	-	
<b>Alternates</b>							
N/A							
<b>Bid Document Requirements</b>							
Bid Form		N/A					
Clarifications / Exceptions		Noted in Proposal					
Acknowledged Addenda		N/A					
<b>Additional Notes</b>							
Payment & Performance Bond Rate		0.00%					
Submittal Package Lead Time		4					
Material Delivery		10 Weeks					
<b>SUBTOTAL:</b>	\$	91,300	\$	-	\$	-	\$ -
<b>Bond:</b>	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	\$ -
<b>Adjustment</b>		None		None		None	None
<b>Total Adjusted Scope:</b>	\$	91,300.00		NO BID		NO BID	\$ -
<b>Recommendation: Loveland Electric</b>	\$	91,300.00		NO BID		NO BID	\$ -

Recommend Loveland Electric as the only responsive bidder.



Proposal  
Village of Wellington  
WTP Ammonia System Improvements  
Pg 2

The price for the work described above including attachments will be as follows:

**Base Bid:** **\$ 91,300.00**

Thank you for the opportunity to submit this proposal. Should you require any additional information or clarifications, please do not hesitate to contact our office.

***LOVELAND ELECTRIC II, LLC***

***Tim McMullen***  
Estimator



1344 S. Killian Dr. Lake Park, FL 33403  
561-882-0401 Fax 561-882-0555

Scope of Work - Attachment A

**Project Name:** Village of Wellington Ammonia System Improvements

**Bid Date:** 7/26/2022

Notwithstanding other provisions of the Bid Documents, this proposal is based upon:

No.	Description	Incl	Excl	NA	Comments
1	<b>Davis Bacon Wage Rates</b>		x		
2	Blueprinting & reproduction costs	x			
3	Temporary power for construction		x		
4	Utility installation fees, costs or deposits		x		
5	Electrical permit fees		x		
6	Inspections, approval and tests	x			
7	Submittals and shop drawings	x			
8	Record As-Built drawings	x			
9	Tools, equipment and transportation	x			
10	Material and personnel hoisting	x			
11	Garbage and debris removal	x			To on-site dumpster FBO
12	Hazardous waste disposal		x		
13	Electrical demolition	x			
14	Cutting and patching		x		
15	Excavation and backfill	x			
16	Import or export of fill dirt		x		
17	De-watering		x		
18	Cutting and patching of roads, drives, etc.		x		
19	Traffic control			x	
20	Concrete encasement		x		
21	Housekeeping and equipment pads		x		
22	Concrete pole bases			x	
23	Plywood backboards			x	
24	Painting		x		Equipment touch up only
25	Roof penetrations and pitch pans			x	
26	Access panels			x	

No.	Description	Incl	Excl	NA	Comments
27	Special appliances			x	
28	Motor starters			x	
29	Motor disconnects			x	
30	HVAC control raceways			x	
31	Energy Management System			x	
32	Flow & tamper switches (by FP Contractor)			x	
33	Power connections to FBO equipment	x			
34	Field layout and trade coordination	x			
35	Electrical sleeves & fireproofing	x			
36	Electric Door Strikes and Installation			x	
37	FPL primary service			x	
38	Secondary service entrance			x	
39	Telephone service entrance raceway			x	
40	CATV service entrance raceway			x	
41	Site lighting and fixtures		x		
42	Lighting system and fixtures		x		
43	Power distribution system	x			
44	Emergency Generator Set			x	
45	Generator primary fuel tank			x	
46	Generator fuel			x	
47	Generator fuel piping			x	
48	Gen exhaust piping, intake/discharge duct, insulation			x	
49	Generator muffler and wall thimble				
50	Uninterrupted Power Supply system			x	
51	Transient Voltage Surge Suppression		x		
52	Generator control wiring			x	
53	Generator Charger Connection			x	
54	Generator Block Heater			x	
55	Generator ATS			x	
56	Contingency Fees or allowances		x		
57	Signage and neon lighting			x	
58	Irrigation system controls and controls wiring			x	
59	Valance trim and lenses at restrooms			x	
60	Bond premium		x		
61	Survey of all light poles, manholes, pullboxes, etc.		x		

62 **Special Systems:**

Division	System	Incl	Excl	NA	Notes	Comments
	Lightning Protection			X		
	Fire Alarm			X		
	Telephone			X		
	Data / Premise Wiring			X		
	CATV/MATV			X		
	CCTV			X		
	Security / Intrusion			X		
	Building Automation System			X		
	PA / Sound / Background Music			X		

**\*Special Systems Notes:**

- A** This system is complete and operational.
- B** This system includes conduit and boxes only. Wiring and devices are by others.

- 63 Loveland Electric II, LLC guarantees its work to be free from defects for one year from beneficial occupancy by the owner, or final completion, whichever comes first. Repairs to defective workmanship and/or materials within this period will be made at no cost to the owner. This warranty excludes lamps, items furnished by others, unauthorized service or negligent care.
- 64 Loveland Electric II, LLC will require the following to be provided to us at no cost:
- A. Adequate on-site employee parking and an area for our storage and office trailer(s).
  - B. On-site dumpster and dumping services.
  - C. Sanitary toilet facilities.
  - D. Potable water.
  - E. Complete CADD files.
- 65 Loveland Electric II, LLC agrees to furnish a sufficient number of qualified workers to perform the work in sequen with a mutually agreed upon construction schedule. We rely on the work of other trades to be completed in a timely manner, prior to our work.
- 66 All work will be performed during normal working hours. We have no provision included for overtime, multiple shifts, weekend or holiday work in order to make up time in the construction schedule lost by other trades, permitin inclement weather or other lost time not attributable to the work of Loveland Electric II, LLC
- 67 Transportation and storage of owner furnished equipment is excluded.



## Scope Clarifications – Attachment B

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**Project Name:** Village of Wellington Ammonia System Improvements  
**Bid Date:** 07/26/2022

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### **Specifications**

1. Specification Section 16010 – Basic Electrical Requirements: Included
2. Specification Section 16050 – Basic Electrical Materials and Methods: Included
3. Specification Section 16110 - Raceways: Included
4. Specification Section 16120 - Conductors: Included
5. Specification Section 16450 - Grounding: Included
6. Division 17 - Instrumentation and Control: Includes conduit, wire and wire terminations to all instrumentation and control devices shown on drawings and specified.  
All instrumentation and control devices, junction boxes, surge suppressors and control panels will be furnished by I & C Subcontractor.  
All process pipe mounted devices to be installed by others.  
All other instrumentation and control devices, junction boxes, surge suppressors and control panels with be installed under this scope.

### **Inclusions**

1. Trash and debris removal to Contractor provided dumpsters.
2. Applicable taxes.

### **Exclusions**

1. Permit fees
2. Dewatering
6. Repairing and/or replacing asphalt and sub-base.
7. Repairing and/or replacing concrete floors and sidewalks.
8. Replacing sod or other landscape material.
9. Traffic and safety bollards.
10. Concrete and housekeeping pads.
11. Transportation, off-loading, storage and setting in place equipment not furnished under this scope.
12. Prevailing Wage Rates/Responsible Wages and Benefits.
13. Furnishing, terminating, and testing fiber optic cable.

### **Clarifications**

1. Demolition will consist of making all circuits safe.
2. Demolition of electrical equipment and wire will consist of complete removal from site.
3. Demolition of existing duct banks will consist of removal of existing wire only. Removal of concrete and conduit will be by others.
4. The failure of other trades to maintain the project schedule will not adversely affect the durations allowed in the original schedule for the electrical portion of the work.
5. All work will be performed during normal working hours. We have no provision included for overtime, multiple shifts, weekend or holiday work in order to make up time in the construction schedule lost by other trades, permitting, inclement weather or other lost time not attributable to the work of Loveland Electric II, LLC.
6. Proposal assumes the electrical drawings to be complete and no further redesign and installation of additional systems, equipment, conduit or wire, not specifically shown on drawings or otherwise noted in proposal, will be necessary to make a complete and working electrical system.

### **General Conditions**

1. Loveland Electric II, LLC guarantees its work to be free from defects for one year from beneficial occupancy by the owner, or final completion, whichever comes first. Repairs to defective workmanship and/or materials within this period will be made at no cost to the owner. This warranty excludes lamps, items furnished by other, unauthorized service or negligent care.
2. Loveland Electric II, LLC agrees to furnish a sufficient number of qualified workers to perform the work in sequence with a mutually agreed upon construction schedule. We rely on the work of other trades to be completed in a timely manner, prior to our work.
3. Loveland Electric II, LLC will require the following to be provided at no cost:
  - adequate on-site employee parking and an area for our storage and office trailers;
  - on-site dumpster and dumping services;
  - sanitary toilet facilities;
  - potable water;
  - complete CADD files.
4. Loveland Electric II, LLC shall not be held liable for errors or omissions in the designs of others, nor inadequacies of materials and equipment specified or supplied by others.
5. Equipment and materials supplied by Loveland Electric II, LLC are warranted only to the extent that the same are warranted by the manufacturer.
6. Loveland Electric II, LLC shall not be liable for indirect loss or damage.
7. Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.
8. If a formal contract is required, its' conditions must not deviate from this proposal without our prior approval.
9. Anything (verbal or written) expressed or implied elsewhere, which is contrary to these conditions shall be null and void.

## NO BID

Eliana Corie

---

**From:** Leonard Stryker <Leonard.Cuni@stryker-electric.com>  
**Sent:** Tuesday, August 2, 2022 10:51 AM  
**To:** Eliana Corie  
**Subject:** RE: 21-101 Ammonia System Improvements - RFP Electrical

Good morning

Unfortunately, no we are not working on this project. It appears that somehow I missed it.

Due to the short staff in estimating, I apologize, but I have to pass on this project at this time.

Thank You:

**Leonard Cuni**  
Chief Estimator



Pho: 772-219-3389 Ext:117

<mailto:Leonard.Cuni@Stryker-Electric.com>

**For Estimating:** [Estimating@stryker-electric.com](mailto:Estimating@stryker-electric.com)

---

**From:** Eliana Corie  
**Sent:** Tuesday, August 02, 2022 10:24 AM  
**To:** leonard.cuni@stryker-electric.com  
**Cc:** Savanna Bogue <sbogue@whartonsmith.com>; Brian Dill <bdill@whartonsmith.com>; Art Cantu <acantu@whartonsmith.com>; Angela Kushner <akushner@whartonsmith.com>; Veronica Aguirre <vaguirre@whartonsmith.com>  
**Subject:** RE: 21-101 Ammonia System Improvements - RFP Electrical

Leonard,

Just wanted to follow up on this proposal. Please let me know if you have any questions.

Thank you,

**Eliana Corie | Assistant Project Manager – S. Florida Water/Wastewater**  
**Wharton-Smith, Inc. | Construction Group of Choice | [www.whartonsmith.com](http://www.whartonsmith.com)**

---

**From:** Eliana Corie  
**Sent:** Sunday, July 10, 2022 11:28 AM  
**To:** [leonard.cuni@stryker-electric.com](mailto:leonard.cuni@stryker-electric.com)  
**Cc:** Savanna Bogue <[sbogue@whartonsmith.com](mailto:sbogue@whartonsmith.com)>; Brian Dill <[bdill@whartonsmith.com](mailto:bdill@whartonsmith.com)>; Art Cantu <[acantu@whartonsmith.com](mailto:acantu@whartonsmith.com)>; Angela Kushner <[akushner@whartonsmith.com](mailto:akushner@whartonsmith.com)>; Veronica Aguirre <[vaguirre@whartonsmith.com](mailto:vaguirre@whartonsmith.com)>  
**Subject:** 21-101 Ammonia System Improvements - RFP Electrical

Good morning Leonard,

We need a proposal for the Ammonia System Improvements project in Wellington. The bid documents can be accessed through the following links:

- Drawings: <https://us.workplace.datto.com/1/filelink/c3uji-djr2ffs-idfgyy4i>
- Specs: <https://us.workplace.datto.com/1/filelink/c3uji-djr2clg-3tdeqgnt>

The scope of work includes, but is not limited to:

- Remove existing conduit, junction boxes, and HOA switches
- Install new concrete encased ductbank from Fluoride Chemical Building to PLC-2
- Install conduit and wire
- Install grounding
- Existing panel LP 7800 modifications

Please let me know if we can get a proposal and lead times by 7/25.

Thank you,

**Eliana Corie | Assistant Project Manager – S. Florida Water/Wastewater**  
**Wharton-Smith, Inc. | Construction Group of Choice | [www.whartonsmith.com](http://www.whartonsmith.com)**

125 W. Indiantown Road, Suite 201 Jupiter, FL 33458  
Office: (561) 748-5956 x 2319 | Cell: (561) 602-2759



Virus-free. [www.avg.com](http://www.avg.com)

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe!

**Eliana Corie**

## **NO RESPONSE**

---

**From:** Eliana Corie  
**Sent:** Tuesday, August 2, 2022 10:22 AM  
**To:** 'Jim Stubblefield (jstubby@millselec.com)'  
**Cc:** Savanna Bogue; Brian Dill; Art Cantu; Angela Kushner; Veronica Aguirre  
**Subject:** RE: 21-101 Ammonia System Improvements - RFP Electrical

**Importance:** High

Jim,

Just wanted to follow up on this proposal. Please let me know if you have any questions.

Thank you,

**Eliana Corie | Assistant Project Manager – S. Florida Water/Wastewater**  
**Wharton-Smith, Inc. | Construction Group of Choice | [www.whartonsmith.com](http://www.whartonsmith.com)**

---

**From:** Eliana Corie  
**Sent:** Sunday, July 10, 2022 11:26 AM  
**To:** Jim Stubblefield (jstubby@millselec.com) <jstubby@millselec.com>  
**Cc:** Savanna Bogue <sbogue@whartonsmith.com>; Brian Dill <bdill@whartonsmith.com>; Art Cantu <acantu@whartonsmith.com>; Angela Kushner <akushner@whartonsmith.com>; Veronica Aguirre <vaguirre@whartonsmith.com>  
**Subject:** 21-101 Ammonia System Improvements - RFP Electrical

Good morning Jim,

We need a proposal for the Ammonia System Improvements project in Wellington. The bid documents can be accessed through the following links:

- Drawings: <https://us.workplace.datto.com/1/filelink/c3uji-djr2ffs-idfgyy4i>
- Specs: <https://us.workplace.datto.com/1/filelink/c3uji-djr2clg-3tdeqgnt>

The scope of work includes, but is not limited to:

- Remove existing conduit, junction boxes, and HOA switches
- Install new concrete encased ductbank from Fluoride Chemical Building to PLC-2
- Install conduit and wire
- Install grounding
- Existing panel LP 7800 modifications

Please let me know if we can get a proposal and lead times by 7/25.

Thank you,

**Eliana Corie | Assistant Project Manager – S. Florida Water/Wastewater**  
**Wharton-Smith, Inc. | Construction Group of Choice | [www.whartonsmith.com](http://www.whartonsmith.com)**

Subcontractor Bid  
Evaluation and  
Comparison  
Sheet

Trade Description:  
Project Name:  
Owner:  
Bid Date:

**Instrumentation and Controls**

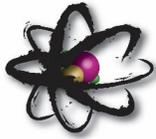
**Ammonia System Improvements**

**Village of Wellington**

**Thursday, August 18, 2022**

Scope Item Description	CC Control	N/A	N/A	N/A
	JP Mahieu			
	561-293-3975			
<b>Base Bid Before Alternates</b>	\$ 48,916.00			
Instrumentation & Controls Package	\$ 48,916.00			
<b>Alternates</b>				
N/A	\$ -			
<b>Bid Document Requirements</b>				
Bid Form	N/A			
Clarifications / Exceptions	Noted in Proposal			
Acknowledged Addenda	N/A			
<b>Additional Notes</b>				
Payment & Performance Bond Rate	N/A			
Submittal Package Lead Time	8-10 Weeks			
Material Delivery	22-24 Weeks			
<b>SUBTOTAL:</b>	\$ 48,916	\$ -		
<b>Bond:</b> 0.00%	\$ -	0.00%	\$ -	0.00%
<b>Adjustment</b>	None	None		
<b>Total Adjusted Scope:</b>	\$ 48,916.00	\$ -	\$ -	\$ -
	\$ 48,916.00	\$ -		

CC Control Corporation was the only I&C contractor solicited since they are currently under contract for other projects at the Water Treatment Plant. They are also the preferred vendor by the Village of Wellington.



# C. C. CONTROL CORP.

5760 CORPORATE WAY, SUITE 100  
WEST PALM BEACH, FLORIDA 33407

PHONE: 561 293-3975  
FAX: 561 293-3976

**CUSTOMER:** WHATON SMITH

**ATTN:** ELIANA CORIE

**PROJECT:** WTP AMMONIA SYSTEM IMPROVEMENTS  
VILAGE OF WELLINGTON

**DATE:** 7/25/2022

**VALID FROM:** 7/25/2022

**VALID TO:** 9/23/2022

## DESCRIPTION

## QUAN

C. C. CONTROL CORP. PROPOSES TO FURNISH THE FOLLOWING SECTIONS COMPLETE WITH EXCEPTIONS AS LISTED:

17300 - INSTRUMENTATION AND CONTROLS

EXCEPTIONS:

- A) QUOTE DOES NOT INCLUDE CONDUIT SYSTEM
- B) QUOTE DOES NOT INCLUDE WIRE/CABLE
- C) QUOTE DOES NOT INCLUDE INSTALLATION
- D) QUOTE DOES NOT INCLUDE FIELD TERMINATIONS
- E) QUOTE DOES NOT INCLUDE ANY PANEL MTG. RACKS
- F) QUOTE DOES NOT INCLUDE ANY ELEC. OR PNEUMATIC OP. VALVES
- G) QUOTE DOES NOT INCLUDE SOLENOIDS
- H) QUOTE DOES NOT INCLUDE ANY PIPE TAPS OR PIPE SADDLES
- I) QUOTE DOES NOT INCLUDE ANY PANEL OR J-BOX MOUNTING HARDWARE
- J) QUOTE DOES NOT INCLUDE JUNCTION OR TERMINATION BOXES
- K) QUOTE DOES NOT INCLUDE ANY PRESSURE SWITCHES

ITEM NO.1

### **AMMONIA GAS ALARM CONTROL PANEL 'LCP-8410'**

HOFFMAN A14128CHQRFQ TYPE 4X FIBERGLASS ENCLOSURE WITH THE FOLLOWING:	1
A) SIZE: 14"H X 12"W X 8"D	
B) TYPE 4X	
C) QUICK RELEASE LATCHES	
HOFFMAN A14P12 ENCLOSURE PANEL, STEEL	1
HOFFMAN AHCI10E CORROSION INHIBITOR	1
SQD QOU115 120V 15A 1P CIRCUIT BREAKER	1
SQD 9001 SKT38LGG31 LED PILOT LIGHT, PUSH-TO-TEST, GREEN, 120V	1
SQD 9001 SKR1U PUSH BUTTON OPERATOR	3
SQD 9001 KA1 CONTACT BLOCK, (1)NO, (1)NC	4
FINDER 60.13.8.120.0050 120VAC 3PDT PLUG-IN RELAY, LOCKABLE TEST BUTTON & LED	2
FINDER 90.03 11-PIN RELAY SOCKET	2
SQD 9080 GF6 FUSE HOLDER	2
SQD 9080 GF6B END BARRIER	1
SQD 9080 MHA10 END CLAMP	2
BUSSMANN FNM-2 250V 2A TIME-DELAY FUSE	2
PHOENIX CONTACT 3044102 UT4 TERMINAL BLOCK	12
PHOENIX CONTACT 3044128 UT4 PE GROUND TERMINAL BLOCK	2
PHOENIX CONTACT 3047248 END COVER, YELLOW	2
PHOENIX CONTACT 1201442 E/UK END STOP	4
PANDUIT UGB2/0-414-6 GROUND BAR KIT	1
PANDUIT UGB-IN-SO STANDOFF KIT	1
PANDUIT CLMAR2/0-14-Q 2/0 LUG	1
PANDUIT CB70-14-CY COPPER LUG, #8-#2 AWG	1
WIRE, DUCT & NAMEPLATES	LOT
UL 508A LABEL	LOT

ITEM NO.2

**AMMONIA GAS ALARM REMOTE BEACON AND ALARM HORN**

FEDERAL SIGNAL LP3P-120R 120VAC RED ALARM STROBE LIGHT	1
WHEELOK 31T-115-2 120V ALARM HORN	1
WHEELOK WBB-S WP WEATHERPROOF BACKBOX	1
1/2" x 2" 316 S.S. NIPPLE	1

ITEM NO.3

**AMMONIA FEED CONTROL PANEL 'LCP-8430'**

HOFFMAN UU606030 TYPE 4X ULTRX FIBERGLASS ENCLOSURE WITH THE FOLLOWING:	1
A) SIZE: 24.61"H X 24.09"W X 12.64"D	
B) TYPE 4X	
C) TYPE 316 STAINLESS STEEL QUARTER-TURN LATCH	
HOFFMAN A24P24 ENCLOSURE PANEL, STEEL	1
HOFFMAN AHCI10E CORROSION INHIBITOR	1
SQD QOU115 120V 15A 1P CIRCUIT BREAKER	1
SQD QOU110 120V 10A 1P CIRCUIT BREAKER	6
PULS CS3.241 115/230VAC INPUT, 24-28VDC OUT, 3.3-2.7A	1
MOORE INDUSTRIES ECT/4-20MA/2X4-20MA/117AC/DIN SIGNAL ISOLATOR, (1) IN X (2) OUT	3
SQD 9001 SKS43B 3 POSITION SELECTOR SWITCH	3
SQD 9001 SKS46B 3 POSITION SELECTOR SWITCH	1
SQD 9001 KA1 CONTACT BLOCK, (1)NO, (1)NC	14
FINDER 60.13.8.120.0050 120VAC 3PDT PLUG-IN RELAY, LOCKABLE TEST BUTTON & LED	4
FINDER 90.03 11-PIN RELAY SOCKET	4
PHOENIX CONTACT 3044102 UT4 TERMINAL BLOCK	60
PHOENIX CONTACT 3044128 UT4 PE GROUND TERMINAL BLOCK	5
PHOENIX CONTACT 3047248 END COVER, YELLOW	4
PHOENIX CONTACT 1201442 E/UK END STOP	8
PANDUIT UGB2/0-414-6 GROUND BAR KIT	1
PANDUIT UGB-IN-SO STANDOFF KIT	1
PANDUIT CLMAR2/0-14-Q 2/0 LUG	1
PANDUIT CB70-14-CY COPPER LUG, #8-#2 AWG	1
WIRE, DUCT & NAMEPLATES	LOT
UL 508A LABEL	LOT

ITEM NO.4

**AMMONIA GAS DETECTION SYSTEM**

MSA A-X5000-0F010400T2 GAS MONITOR WITH THE FOLLOWING:	1
A) MATERIAL: STAINLESS STEEL WITH 3/4" NPT (INCLUDES MOUNTING BRACKET)	
B) APPROVALS: CSA	
C) BLUETOOTH: YES	
D) OUTPUTS: ANALOG 4-20MA WITH HART & 3 RELAYS	
E) POWER: 3-WIRE, 10-30VDC	
F) SENSOR 1: AMMONIA, 0-100 PPM	
G) SENSOR 2: NONE	
H) TAG: <b>AE/AIT-8410</b>	
MSA 10053967 PS5000, DC POWER SUPPLY, 24V, XE	1
MSA CALKIT1 CALIBRATION KIT WITH 1LPM REGULATOR, TUBING AND CASE	1
MSA ZERO GAS CYLINDER: 10028028 20.80% OXYGEN IN NITROGEN	1
MSA 809997 HANDHELD CALIBRATOR	1
MSA 10213879 JB5000 REMOTE JUNCTION BOX	1
SQD SSP030SSE10HC 4/20MA PIPE STYLE SURGE ARRESTER	1

ITEM NO.5

**AMMONIA FEED PRESSURE GAUGE ASSEMBLY**

WIKA 52842950 MODEL 233.34 PRESSURE GAUGE WITH THE FOLLOWING:	1
A) DIAL: 4.5	
B) MEASURING SYSTEM: STAINLESS STEEL	
C) PROCESS CONN.: 1/2" MNPT LOWER	
D) WINDOW: LAMINATED SAFETY GLASS	
E) RANGE: 0-400PSI	
F) CASE FILLING FLUID: GLYCERINE	
G) TAG: <b>PI-8400</b>	
WIKA MODEL 990.TC DIAPHRAGM SEAL WITH THE FOLLOWING:	1
A) PROCESS CONNECTION STANDARD: FOLLOWING ANSI B 1.20.1 (E.G. 1/2" NPT)	
B) THREADED CONNECTION: 1/2" NPT FEMALE	
C) NOMINAL PRESSURE RATING: 1500 PSI MWP	
D) UPPER HOUSING MATERIAL / HOUSING MATERIAL: STAINLESS STEEL 1.4435 (316L); UNS S31603	
E) FLUSHING CONNECTION: 1 X 1/8 NPT FEMALE	
F) DIAPHRAGM MATERIAL: STAINLESS STEEL 1.4435 (316L); UNS S31603	
G) LOWER HOUSING MATERIAL: IN (STAINLESS STEEL 1.4435 (316L); UNS S31603)	
H) GASKET: NBR	
I) FASTENING PARTS: RETAINER FLANGE AND BOLTS IN STAINLESS STEEL	
J) SNUBBER FOR PRESSURE MEASURING INSTRUMENT	

K) MATERIAL BODY: STEEL  
 L) MATERIAL SEALING: NBR  
 JAMESBURY 1/2-33-3600TL 1/2" 316 S.S. BALL VALVE 2  
 1/2" x 2" 316 S.S. NIPPLE 2  
 1/2" x 4" 316 S.S. NIPPLE 1  
 1/2" 316 S.S. TEE 1

ITEM NO.6

**CARRIER WATER FEED PRESSURE GAUGE ASSEMBLY**

WIKA 52842950 MODEL 233.34 PRESSURE GAUGE WITH THE FOLLOWING: 1  
 A) DIAL: 4.5  
 B) MEASURING SYSTEM: STAINLESS STEEL  
 C) PROCESS CONN.: 1/2" MNPT LOWER  
 D) WINDOW: LAMINATED SAFETY GLASS  
 E) RANGE: 0-160PSI  
 F) CASE FILLING FLUID: GLYCERINE  
 G) TAG: **PI-8420**

WIKA MODEL 990.TC DIAPHRAGM SEAL WITH THE FOLLOWING: 1  
 A) PROCESS CONNECTION STANDARD: FOLLOWING ANSI B 1.20.1 (E.G. 1/2" NPT)  
 B) THREADED CONNECTION: 1/2" NPT FEMALE  
 C) NOMINAL PRESSURE RATING: 1500 PSI MWP  
 D) UPPER HOUSING MATERIAL / HOUSING MATERIAL: STAINLESS STEEL 1.4435 (316L); UNS S31603  
 E) FLUSHING CONNECTION: 1 X 1/8 NPT FEMALE  
 F) DIAPHRAGM MATERIAL: STAINLESS STEEL 1.4435 (316L); UNS S31603  
 G) LOWER HOUSING MATERIAL: IN (STAINLESS STEEL 1.4435 (316L); UNS S31603)  
 H) GASKET: NBR  
 I) FASTENING PARTS: RETAINER FLANGE AND BOLTS IN STAINLESS STEEL  
 J) SNUBBER FOR PRESSURE MEASURING INSTRUMENT  
 K) MATERIAL BODY: STEEL  
 L) MATERIAL SEALING: NBR  
 JAMESBURY 1/2-33-3600TL 1/2" 316 S.S. BALL VALVE 2  
 1/2" x 2" 316 S.S. NIPPLE 2  
 1/2" x 4" 316 S.S. NIPPLE 1  
 1/2" 316 S.S. TEE 1

ITEM NO.7

**SPARE PARTS**

BUSSMANN FNM-2 250V 2A TIME-DELAY FUSE 12  
 SQD SSP030SSE10HC 4/20MA PIPE STYLE SURGE ARRESTER 6

ITEM NO.8

**PROJECT SERVICES**

ENGINEERING LOT  
 SUBMITTALS LOT  
 PLC PROGRAMMING LOT  
 SCADA/HMI PROGRAMMING LOT  
 START-UP LOT  
 TRAINING LOT  
 O & M MANUALS LOT  
 WARRANTY, 1-YEAR LOT

**SUMMARY**

ITEMS NO.1 THRU NO.8

**TOTAL SELL:**

**\$46,100.00 + TAX**  
**IF APPLICABLE**

**TOTAL \$48,916.00**

**SUBMITTALS** 8-10 WEEKS  
 AFTER RECEIPT OF PURCHASE ORDER  
**FOB:** JOB SITE  
**DEL:** 22-24 WEEKS  
 AFTER APPROVED DRAWINGS  
**TERMS:** NET 30 DAYS  
 (SUBJECT TO CREDIT APPROVAL)

**WARRANTY:** ALL WARRANTIES SHALL EXPIRE ONE (1) YEAR FROM DATE OF START-UP FROM SELLER TO BUYER UNLESS SPECIALLY INDICATED OTHERWISE AND WILL BE NULL AND VOID UNLESS MATERIALS ARE STORED UNDER PROPER CONDITIONS DETERMINED BY C.C. CONTROL CORP.

J.P. MAHIEU  
[JPMahieu@CCControlCorp.com](mailto:JPMahieu@CCControlCorp.com)

## SECTION 4 – EXHIBIT R3 CONSTRUCTION SCHEDULE

WTP Chemical System Improvements				Village of Wellington					18-Aug-22 23:25																										
Activity ID	Activity Name	Original Duration	Actual Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	2022												2023												2024		
									May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar				
<b>WTP Chemical System Improvements</b>									22-Dec-23, WTP																										
A1010	Notice to Proceed	0	0	0	100%	09-May-22 A	22-Dec-23	0	◆ Notice to Proceed																										
A1140	Final Completion	0	0	0	0%		22-Dec-23	0	◆ Final Completion																										
<b>Antiscalant Flow Meter Improvements</b>									12-Jan-23, Antiscalant Flow Meter Improvements																										
A1020	Shop Drawings	35	36	0	100%	09-May-22 A	14-Jun-22 A		■ Shop Drawings																										
A1030	Review and Approve Shop Drawings	14	29	0	100%	31-May-22 A	29-Jun-22 A		■ Review and Approve Shop Drawings																										
A1040	Fabricate and Deliver	98	52	56	42.86%	27-Jun-22 A	12-Oct-22	347	■ Fabricate and Deliver																										
A1100	Membrane Shutdown	1	0	1	0%	12-Oct-22	13-Oct-22	242	■ Membrane Shutdown																										
A1050	PVC Pipe Modifications	5	0	5	0%	13-Oct-22	20-Oct-22	242	■ PVC Pipe Modifications																										
A1060	Install Flow Meters	2	0	2	0%	13-Oct-22	17-Oct-22	242	■ Install Flow Meters																										
A1150	Install Flow Transmitters	2	0	2	0%	13-Oct-22	17-Oct-22	242	■ Install Flow Transmitters																										
A1070	Install Pipe Supports	2	0	2	0%	20-Oct-22	24-Oct-22	242	■ Install Pipe Supports																										
A1080	LIT Electrical Modifications	2	0	2	0%	24-Oct-22	26-Oct-22	242	■ LIT Electrical Modifications																										
A1090	PCP Electrical Modifications	2	0	2	0%	26-Oct-22	28-Oct-22	242	■ PCP Electrical Modifications																										
A1110	Substantial Completion	0	0	0	0%		08-Nov-22	346	◆ Substantial Completion																										
A1130	Punchlist	44	0	44	0%	08-Nov-22	12-Jan-23	242	■ Punchlist																										
<b>Ammonia System Improvements</b>									21-Dec-23, Amm																										
A1160	Shop Drawings	30	0	30	0%	06-Oct-22	04-Nov-22	0	■ Shop Drawings																										
A1170	Review and Approve Shop Drawings	14	0	14	0%	05-Nov-22	18-Nov-22	0	■ Review and Approve Shop Drawings																										
A1180	Fabricate and Deliver	300	0	300	0%	19-Nov-22	14-Sep-23	0	■ Fabricate and Deliver																										
A1190	Install Ductbank	10	0	10	0%	07-Jul-23	20-Jul-23	0	■ Install Ductbank																										
A1200	Install Conduit & Wire	10	0	10	0%	21-Jul-23	03-Aug-23	0	■ Install Conduit & Wire																										
A1210	Install Supply Pipe & Fittings	5	0	5	0%	04-Aug-23	10-Aug-23	0	■ Install Supply Pipe & Fittings																										
A1220	Install Chemical Panels	5	0	5	0%	11-Aug-23	17-Aug-23	0	■ Install Chemical Panels																										
A1320	Install Feed Pipe & Fittings	6	0	6	0%	18-Aug-23	25-Aug-23	0	■ Install Feed Pipe & Fittings																										
A1330	Install Dosing Point to Clearwell 4	10	0	10	0%	28-Aug-23	11-Sep-23	0	■ Install Dosing Point to Clearwell 4																										
A1340	Install Dosing Point to Clearwell 3	15	0	15	0%	12-Sep-23	02-Oct-23	0	■ Install Dosing Point to Clearwell 3																										
A1230	Place Concrete Pads	3	0	3	0%	03-Oct-23	05-Oct-23	0	■ Place Concrete Pads																										
A1240	Install Ammonia Tank	2	0	2	0%	06-Oct-23	09-Oct-23	0	■ Install Ammonia Tank																										
A1250	Install Softener System	3	0	3	0%	10-Oct-23	12-Oct-23	0	■ Install Softener System																										
A1270	Programming	10	0	10	0%	13-Oct-23	26-Oct-23	0	■ Programming																										
A1290	Startup & Testing	5	0	5	0%	27-Oct-23	02-Nov-23	0	■ Startup & Testing																										
A1350	Demo Old Ammonia Tank/Panels	2	0	2	0%	03-Nov-23	06-Nov-23	0	■ Demo Old Ammonia Tank																										
A1310	Install Bollards	2	0	2	0%	07-Nov-23	08-Nov-23	0	■ Install Bollards																										
A1280	Substantial Completion	0	0	0	0%		09-Nov-23	0	◆ Substantial Completion																										
A1300	Punchlist	30	0	30	0%	09-Nov-23	21-Dec-23	0	■ Punchlist																										

■ Actual Work      ◆ Milestone  
■ Remaining Work      ─ Summary  
■ Critical Remaining Work

Wellington Antiscalant Flow Meter Improvements  
 Owner: Village of Wellington  
 Engineer: Kimley Horn  
 Contractor: Wharton-Smith Construction Group

Data Date: 18-Aug-22  
 Finish Date: 22-Dec-23  
 Page 1 of 1



## SECTION 5 – EXHIBIT R4 CONSTRUCTION MANAGER’S ALLOWANCES

The GMP includes the following Allowances for work items with undefined scopes at this time. Please note that allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.

1. Coatings - \$5,000.00
2. Site Restoration - \$15,000.00

The GMP includes the following Owner Controlled Contingency. Please note that this contingency is currently shown below the line without fee, fee to be included on contingency usage once brought into the project as approved by the Village of Wellington.

1. Owner Controlled Contingency - \$85,000

## SECTION 6 – EXHIBIT R5 ASSUMPTIONS AND CLARIFICATIONS

Please note the following assumptions and clarifications regarding this proposal:

1. The work is in accordance with Kimley Horn preliminary drawings “WTP Ammonia System Improvements” dated June 2022.
2. We have included the following allowances for work items with undefined scopes at this time. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.
  1. Coatings - \$5,000.00
  2. Site Restoration - \$15,000.00
3. We have included a performance and payment bond and insurances.
4. Costs associated with Davis-Bacon Wages & AIS Requirements have not been included.
5. It is assumed that the Village of Wellington will provide power for use during construction at no cost.
6. Please note that material escalation claims may need to be submitted for Contingency use but will not exceed the Guaranteed Maximum Price.
7. Please note that the Ammonia Tank has a lead time of 10 months from release. Lead time for other components does not exceed 6 months.
8. Please refer to Section 4 for the proposed GMP schedule. Please note that the P6 schedule is referenced in “work days” as the program automatically accounts for *weekends* and holidays. The contract time is expressed in “calendar days”. The 550 calendar days indicated equates to the 429 work days shown in the P6 schedule.

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## **SECTION 7 – EXHIBIT R6 LIST OF EXTENDED WARRANTIES**

The Construction Manager's warranty and the warranty of all subcontractors and suppliers will be in accordance with the Construction Manager at Risk Agreement and the Contract Documents. All work shall be warranted for a period of one (1) year from date of final acceptance by the owner or the manufacturer's standard warranty period, whichever is greater.

Extended warranties as required by the contract specifications will be furnished to the owner during the closeout phase and prior to receipt of final payment.

## **SECTION 8 – EXHIBIT R7 GENERAL CONDITIONS AND GENERAL REQUIREMENTS**



# Wharton-Smith, Inc.

## CONSTRUCTION GROUP

JOB NAME: AMMONIA SYSTEM IMPROVEMENTS  
 VOW Project: CUT21005(3)

GENERAL CONDITIONS		1144 DIRECT MANHOURS				29		MANWEES								
		DURATION =		4	MONTHS, PLANNED	2		MEN								
DESCRIPTION		QTY	UNIT	MH/UNIT	BASE RATE	LABOR			EQUIPMENT		MATERIAL			SUBCONTRACTS		\$ TOTALS
						U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	
<b>A PROJECT MANAGEMENT TEAM</b>		W/ 7.0% TAX														
<b>FIELD STAFF</b>																
1	SUPERINTENDENT I	17.36	WK	24	\$93.00	\$2,232.00	416.64	\$38,747.52			\$0.00		\$0	\$0.00	\$0	\$38,747.52
2	FIELD ENGINEER	17.36	WK	24	\$61.00	\$1,464.00	416.64	\$25,415.04			\$0.00		\$0	\$0.00	\$0	\$25,415.04
<b>OFFICE STAFF</b>																
3	PROJECT MANAGER	17.36	WK	16	\$93.00	\$1,488.00	277.76	\$25,831.68			\$0.00		\$0	\$0.00	\$0	\$25,831.68
4	PROJECT ENGINEER	17.36	WK	16	\$61.00	\$976.00	277.76	\$16,943.36			\$0.00		\$0	\$0.00	\$0	\$16,943.36
<b>OTHER STAFF</b>																
5	COST ACCOUNTANT	17.36	WK	16	\$70.00	\$1,120.00	277.76	\$19,443.20			\$0.00		\$0	\$0.00	\$0	\$19,443.20
6	SAFETY COORDINATOR	17.36	WK	16	\$95.00	\$1,520.00	277.76	\$26,387.20			\$0.00		\$0	\$0.00	\$0	\$26,387.20
<b>B RELATED MANAGEMENT COSTS</b>																
1	HOLIDAY & VACATION PAY	1	LS		\$45.00	\$0.00	0.00	\$1,836.24			\$0.00		\$0	\$0.00	\$0	\$1,836.24
2	SOFTWARE COSTS	1	LS		\$45.00	\$0.00	0.00	\$0.00			\$0.00		\$0	\$0.00	\$5,400	\$5,400.00
3	TRAVEL EXPENSE	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$600.00	\$2,400	\$2,568.00	\$0	\$2,568.00
4	LODGING, MEALS	1	LS		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$1,000.00	\$1,000	\$1,070.00	\$0	\$1,070.00
<b>C TEMP.FACILITIES &amp; UTILITIES</b>																
1	WATER, MONTHLY	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$200.00	\$800	\$856.00	\$0	\$856.00
2	CELLULAR TELEPHONE, MONTHLY CHARGES	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$660.00	\$2,640	\$2,824.80	\$0	\$2,824.80
3	FIELD OFFICE, WHARTON SMITH INC	4	MO	0	\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$900.00	\$3,600	\$3,852.00	\$0	\$3,852.00
4	TOOL TRAILERS - <u>1</u> REQUIRED	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$250.00	\$1,000	\$1,070.00	\$0	\$1,070.00
5	TEMPORARY TOILETS - <u>1</u> REQUIRED	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$400.00	\$1,600	\$1,712.00	\$0	\$1,712.00
6	TEMPORARY SEWAGE HOLDING TANKS - ENGINEER & W-S	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$400.00	\$1,600	\$1,712.00	\$0	\$1,712.00
7	SMALL TOOLS AND SUPPLIES	1	LS		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$3,000	\$3,000	\$3,210.00	\$0	\$3,210.00
8	PM AUTOMOBILE w/ FUEL, OIL, GREASE	4	MO		\$45.00	\$0.00	0.00	\$0.00	1	\$0	\$0.00	\$500.00	\$2,000	\$2,140.00	\$0	\$2,140.00
9	SUPT PICKUP TRUCK w/ FUEL, OIL, GREASE	4	MO		\$45.00	\$0.00	0.00	\$0.00	1	\$0	\$0.00	\$840.00	\$3,360	\$3,595.20	\$0	\$3,595.20
<b>D SAFETY &amp; HEALTH &amp; HOUSEKEEPING</b>																
1	CLEAN-UP AT END OF PROJECT	1	LS	16	\$45.00	\$720.00	16.00	\$720.00			\$0.00		\$0	\$0.00	\$0	\$720.00
2	CLEAN-UP THROUGHOUT DURATION OF PROJECT	17.36	WK	4	\$45.00	\$180.00	69.44	\$3,124.80			\$0.00		\$0	\$0.00	\$0	\$3,124.80
3	DUMPSTERS	4	MO		\$45.00	\$0.00	0.00	\$0.00			\$0.00	\$1,500.00	\$6,000	\$6,420.00	\$0	\$6,420.00
<b>TOTAL GENERAL CONDITIONS</b>								2,029.76	158,449.04			\$0		\$31,030.00	\$5,400.00	<b>\$194,879.04</b>
<b>GENERAL REQUIREMENTS</b>																
<b>A PROJECT DOCUMENTATION AND SERVICES</b>																
1	INFORMATIONAL SIGNS	1	EA	4	\$45.00	\$180.00	4	\$180.00			\$0.00	\$500.00	\$500	\$535.00	\$0	\$715.00
2	PHOTOGRAPHS	4	MO		\$45.00	\$0.00	0	\$0.00			\$0.00	\$150.00	\$600	\$642.00	\$0	\$642.00
3	PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$45.00	\$0.00	0	\$0.00			\$0.00		\$0	\$0.00	\$2,000.00	\$2,000.00
4	DESIGN SERVICES (CADD) - AS-BUILTS	1	LS	80	\$38.00	\$3,040.00	80	\$3,040.00			\$0.00		\$0	\$0.00	\$0	\$3,040.00
5	PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$45.00	\$0.00	0	\$0.00			\$0.00	\$1,000.00	\$1,000	\$1,070.00	\$0	\$1,070.00
6	REGISTERED SURVEYOR SERVICES	4	MO		\$45.00	\$0.00	0	\$0.00			\$0.00		\$0	\$0.00	\$1,500.00	\$6,000.00
<b>TOTAL GENERAL REQUIREMENTS</b>								84	3,220.00			\$0		\$2,247.00	\$8,000.00	<b>\$13,467.00</b>

## SECTION 9 – EXHIBIT R8 SUBMITTAL SCHEDULE



Wharton-Smith, Inc.  
CONSTRUCTION GROUP

Submittal Log: Ammonia System Improvements					
Package	Submittal	Rev.	Title	Status	Comments
Div. 01			Schedule of Values	UNS	
			Preconstruction Video	UNS	
			Construction Schedule	UNS	
Div. 03			Concrete	UNS	
Div. 05			Miscellaneous Metals	UNS	
Div. 09			Painting	UNS	
Div. 10			Identifying Devices		
Div.11			Ammonia System		
Div. 16			Electrical		