

MICHAEL S. CAZZARI
Town Supervisor

ROBERT F. SCHANIL, JR.
Town Councilman
Deputy Supervisor

STEPHEN J. BARANOWSKI
Town Councilman
FRANK D. LOMBARDI
Town Councilman
SUZANNE MC DONOUGH
Town Councilwoman

TOWN OF CARMEL
TOWN HALL



60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 • Fax (845) 628-6836
www.ci.carmel.ny.us

ANN SPOFFORD
Town Clerk

KATHLEEN KRAUS
Receiver of Taxes

MICHAEL SIMONE
Superintendent of Highways
Tel. (845) 628-7474

TOWN BOARD VOTING MEETING
Wednesday, February 2, 2022 7:00pm
DRAFT – SUBJECT TO CHANGE
PLEASE CHECK AGENDA AT 4:30PM ON DAY OF MEETING
PLEDGE OF ALLEGIANCE - MOMENT OF SILENCE

- **Roll Call - Attendance**
- **Public Comment Three (3) Minutes Agenda Items Only**

Town Board Voting Meeting:

- Accept Town Board Minutes January 5, 2022
1. Res: Acknowledging Appointment of Town Historian
 2. Amended Res: Establishing Seasonal/Temporary and Part-time Workers Wage Rates
 3. Res: Authorizing Additions/Deletions to the Active List of the Mahopac Volunteer Fire Department
 4. Reg: Acknowledging Emergency Repairs and Services Carmel Sewer District #2

Motion to Move Into Executive Session:

1. John Folchetti, PE, Engineering – Contractual

- **Adjournment**

RESOLUTION #1

RESOLUTION ACKNOWLEDGING APPOINTMENT OF TOWN HISTORIAN

RESOLVED that the Town Board of the Town of Carmel hereby acknowledges the reappointment by Supervisor Michael Cazzari of James Meyer as the Town of Carmel Town Historian.

Resolution

Offered by: _____

Seconded by: _____

<u>Roll Call Vote</u>	<u>YES</u>	<u>NO</u>
Stephen Baranowski	___	___
Frank Lombardi	___	___
Suzanne McDonough	___	___
Robert Schanil	___	___
Michael Cazzari	___	___

RESOLUTION #2

AMENDED RESOLUTION ESTABLISHING SEASONAL/TEMPORARY AND PART-TIME WORKERS WAGE RATES

RESOLVED that the Town Board of the Town of Carmel hereby sets the Seasonal/Temporary-Full-Time Workers maximum wage rates for the following title effective January 1, 2022:

SEASONAL/TEMPORARY FULL TIME WORKERS

<u>POSITION AND/OR TITLE</u>	<u>HOURLY WAGE RATE BASED ON CUMULATIVE HOURS OF SERVICE:</u>			
	0-500	501-1000	1001-1500	1501-XXXX
Seasonal/Temp.	13.50	14.50	15.50	16.50

Resolution

Offered by: _____

Seconded by: _____

<u>Roll Call Vote</u>	<u>YES</u>	NO
Stephen Baranowski	___	___
Frank Lombardi	___	___
Suzanne McDonough	___	___
Robert Schanil	___	___
Michael Cazzari	___	___

RESOLUTION #3

RESOLUTION AUTHORIZING ADDITIONS AND DELETIONS TO THE ACTIVE LIST OF THE MAHOPAC VOLUNTEER FIRE DEPARTMENT

RESOLVED that the Town Board of the Town of Carmel hereby authorizes the addition of the following name from the active list of the Mahopac Volunteer Fire Department:

MICHAEL RICCI

BE IT FURTHER RESOLVED that the Town Board of the Town of Carmel hereby authorizes the deletion of the following name from the active list of the Mahopac Volunteer Fire Department:

JOHN GOODROW

Resolution

Offered by: _____

Seconded by: _____

<u>Roll Call Vote</u>	<u>YES</u>	NO
Stephen Baranowski	___	___
Frank Lombardi	___	___
Suzanne McDonough	___	___
Robert Schanil	___	___
Michael Cazzari	___	___

RESOLUTION #4

**RESOLUTION ACKNOWLEDGING EMERGENCY REPAIRS/SERVICES
CARMEL WATER AND SEWER DISTRICTS**

RESOLVED, the Town Board of the Town of Carmel, acting as Commissioners of the various water and sewer districts of the Town of Carmel, hereby acknowledges the emergency performance of water and sewer district collection system/distribution system and treatment facilities repairs as fully detailed in the memorandum of Town Engineer Richard J. Franzetti, P.E. to the Town Board dated January 12, 2022, as attached hereto and made a part thereof.

Resolution

Offered by: _____

Seconded by: _____

<u>Roll Call Vote</u>	<u>YES</u>	<u>NO</u>
Stephen Baranowski	___	___
Frank Lombardi	___	___
Suzanne McDonough	___	___
Robert Schanil	___	___
Michael Cazzari	___	___

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board
From: Richard J. Franzetti P.E. Town Engineer 
Date: January 12, 2022
Re: Emergency Repairs/Services

This memorandum is being presented to the Town Board to advise the Board of emergency invoices that were submitted for payment/authorization to proceed in excess of \$10,000.00 for services rendered. The following provides a brief a summary of the work that was performed.

- Carmel Sewer District 2 ~

On January 5, 2022 Inframark, the operators for CSD2, notified the Engineering Department that the control screen for the UV system has failed. Due to the age of the system the controller is not under warranty and a replacement in kind is no longer available. Attached please find a proposal for the replacement which includes the cost for the materials and installation by the manufacturer. The replacement cost is \$19,220.00 and the install will be \$4,760.00.

Inframark is currently running the UV system manually, however they are unable to determine if any bulbs or ballast controls fail and are not able to record the daily intensity and milliwatt output. Per the attached email, the latter information is a regulatory requirement. This work was deemed an emergency and as such the Engineering Department authorized the quote for this work.

As an FYI these projects were completed as a Regulatory Upgrade and were financed through NYS EFC by New York City. These facilities utilize a combination microfiltration elements and ultraviolet disinfection bulbs. Inframark has advised this Department that the UV system installed is a Trojan system and the replacement parts are only provided by Trojan. This Department therefore considers this particular manufacturer to be a sole source

UV3000PLUS 07™ DISINFECTION SYSTEM SCC UPGRADE (TOUCH SMART CONTROLLER)

For

Carmel SD#2, Ny

Date: December 23, 2021

Report No: 511264

CT: 145926

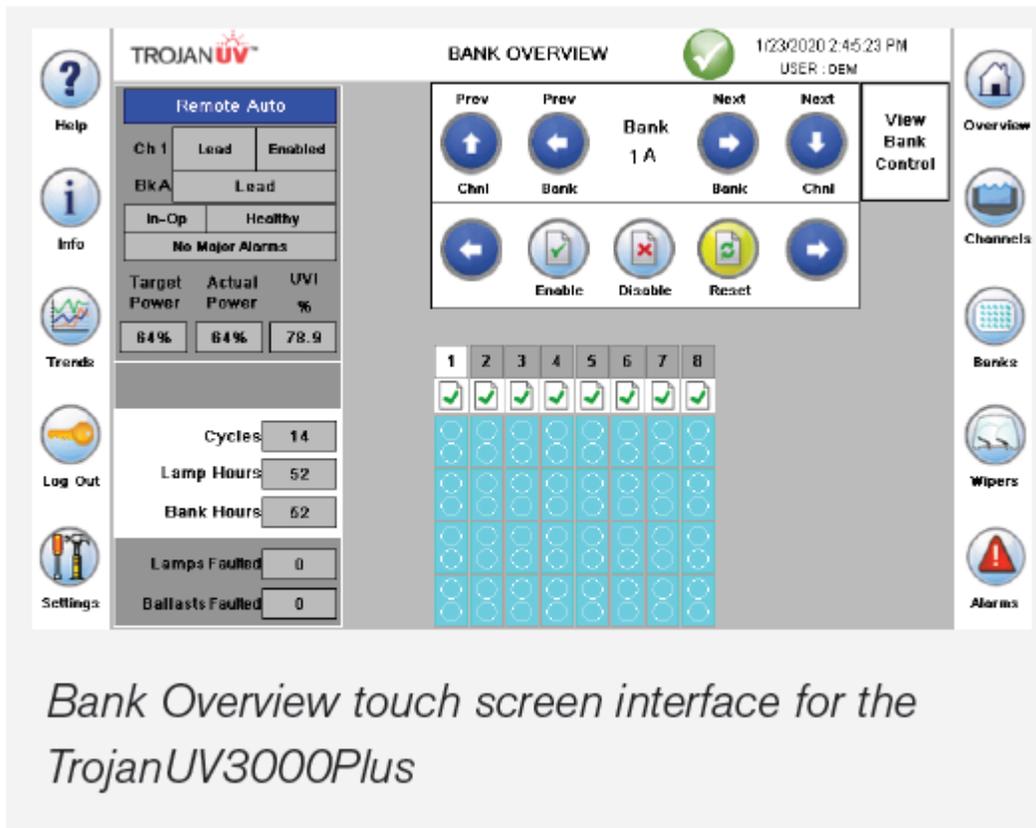
NOTICE

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distributed to parties not directly associated with the
Carmel SD #2, Ny
without the express written permission of Trojan Technologies.**

System Upgrade Recommendations

A proposal to upgrade the existing System Control Center (SCC) is enclosed for your review. The recommended scope of work, equipment and services are described on the enclosed pages and should you require any clarification or if you have any questions then please call or email.

Trojan is offering the new Touch Smart controller which is a microprocessor-based control system.



T-Arc IO

- Each IO Slice Addressed Individually, based on IO type Offset and Rotary wheel setting.
- Shares common power and serial connection through Backplane
- No configuration other than addressing required.
- PIT terminals
- Failed IO Cards can be replaced without need to rewire.





COMA

D-sub-9, female

Pin COM1 COM2 CAN

- 1 - RS-422 Tx+, RS-485 Tx+/Rx+ (2 & 4 wire)
- 2 - RS-232 RxD
- 3 - RS-232 TxD
- 4 - RS-422 Rx+, RS-485 Tx+/Rx+(4 Wire)
- 5 - GND
- 6 - RS-422 Tx-, RS-485 Tx-/Rx- (2 & 4 Wire)
- 7 - RS-232 RTS
- 8 - RS-232 CTS
- 9 - RS-422 Rx-, RS-485 Tx-/Rx- (4 wire)

COMB

D-sub-9, female

Pin COM3 CAN

- 1 RS-485 Tx+/Rx+
- 2 TERM+
- 3 - -
- 4 - -
- 5 GND
- 6 RS-485 Tx-/Rx-
- 7 TERM-
- 8 - -
- 9 V_{cc}

- Screens Match PLC template, while maintaining side menu bars.
- Design Dose Safety Factor Added (Recently added to PLC template in Major Update 45)
- Supports all the Same Doses as PLC based Template
- Separate Level/Devices Settings Screen and inputs. Visualized on the Channel Overview screen (New to TouchSmart)
- Data Logging/ Config files and alarm logs are all accessed on the Service Menu screen.
- Ethernet IP, Modbus TCP and Modbus RTU are all standard without the need of converters.
- SCADA drivers can be Enabled/Disabled through the HMI.
- Both Soft Control and HMI files can be downloaded using a USB drive instead of loading software.
- IO amount increased. No longer have to use inputs for multiple devices.
- Minor alarm is now separate.

The recommended scope of work, equipment and services described on the following pages are to provide a new replacement SCC panel to replace the existing unit. Should you require any clarification or if you have any questions then please call or email.

System Control Center (SCC): Parts

The UV SCC shall consist of the components as detailed in the table below. Site service is described separately below.

QTY	DESCRIPTION	UNIT MODEL NUMBER / COMMENT
1	Touch Smart Control Panel -Beijer X2 Extreme microprocessor with 7" colour touch screen interface	Touchsmart Part # Configurable Item
1	SCADA Communications:	Standard: Modbus TCP/IP, Modbus RTU, Ethernet IP
1	Panel	Panel Construction: 304SS NEMA 4X enclosure rating; wall mounted, Heater, UL
1	Analog Inputs	Flow
1	Digital Outputs	Major Minor Critical alarms, Bank 1X On Status
1	Beijer Xtreme Configuration and testing	Downloaded and configured to site control philosophy.
	Total Price USD	\$19, 220.00

Site Service

The following site service will be required to complete the inspection, commissioning and startup of the new SCC.

Description	Certified Service Technician	Total Price
Service Travel Days	2	\$1840.00
Site Days required, estimated, invoice @ actual	2	\$2920.00
Total Service Price (\$USD)		\$4760.00

Site Responsibility:

Site will be responsible for:

- Removal and disposal of existing SCC if applicable.
- Installation, mounting, Wiring and connection of AC power to new SCC.
- SCADA integration during service work. Sample registers to be reviewed, thus ensuring that the correct format is being used, if applicable.
- Site operations available for training on the new SCC control panel
- Supply, installation and connection of the following at the System Control Center (if not already available):

Site will be responsible for the new supply (labor and hardware) or transfer of the following connections from the existing panel (or site source) to the new SCC panel:

1. One (1) 120-240V volt, 50-60 Hz, 1 phase, 2 wire (plus ground), power supply for the SCC – make power connections within the panel but do not apply power. Power requirements can be supplied, typical draw is less than 15 Amps.
2. One (1) communications cable from plant SCADA system, if applicable.
3. Any new or existing power, analog or communications wiring that is too short for direct connection to new SCC will have to be replaced as “splicing” is not allowed

Note: Pull all wiring as required, label, and terminate within panels All conductors, conduit and local disconnects are the responsibility of the Installation Contractor.

Trojan Responsibility:

Trojan will be responsible for providing one electronic copy of the following documentation:

1. SCADA address list.
2. Controls Philosophy.
3. Appropriate corrected sections for the original O&M Manuals

Terms & Conditions:

Freight – Extra (quotation available upon request)

Payment terms: Net 30 days

Quote Valid – May 31, 2022

Delivery: 8-12 weeks, to be confirmed at order placement

SCC Warranty is one (1) year materials.

Refer to Terms & Conditions

In accordance with our terms & conditions refer to our website for details.

<https://www.trojantechnologies.com/sales-terms-conditions/>

From: [Grippe, Arthur](#)
To: [Franzetti, Richard](#); [Brann, Thomas](#)
Cc: [Harris, Carrie](#); [Batz, Michael](#); [Esteves, Donna](#); [Vara, Rob](#); [Maxwell, Mary Ann](#)
Subject: RE: 01-11-2022 RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264
Date: Wednesday, January 12, 2022 9:41:24 AM
Attachments: [image001.png](#)
[image002.jpg](#)
[image003.jpg](#)
[Outlook-1518542139.png](#)

This should be considered an emergency purchase.

The recording of the intensity/ mW output is part of our normal regulatory reporting as we are required to be above the minimum of 65 mw/cm³ at a flow of 1.5 MGD to meet the minimum disinfection requirement.

I will submit the request now.

Arthur Grippe | Plant Supervisor - Carmel, NY



2 Renwick Street | Newburgh, NY 12550

O: 845-541-3904

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Tuesday, January 11, 2022 4:22 PM

To: Grippe, Arthur <arthur.grippe@inframark.com>; Brann, Thomas <thomas.brann@inframark.com>

Cc: Harris, Carrie <Carrie.Harris@inframark.com>; Batz, Michael <michael.batz@inframark.com>; Esteves, Donna <de@ci.carmel.ny.us>; Vara, Rob <rjv2@ci.carmel.ny.us>; Maxwell, Mary Ann <mam@ci.carmel.ny.us>

Subject: 01-11-2022 RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Never mind about the quote. Found it. Please address other questions.

Richard J. Franzetti, P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax - (845) 628-7085

Cell - (914) 843-4704

rjf@ci.carmel.ny.us

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From: Franzetti, Richard

Sent: Tuesday, January 11, 2022 4:21 PM

To: 'Grippe, Arthur' <arthur.grippe@inframark.com>; Brann, Thomas <thomas.brann@inframark.com>

Cc: Harris, Carrie <Carrie.Harris@inframark.com>; Batz, Michael <michael.batz@inframark.com>; Esteves, Donna <de@ci.carmel.ny.us>; Vara, Rob <rjv2@ci.carmel.ny.us>; Maxwell, Mary Ann <mam@ci.carmel.ny.us>

Subject: RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Importance: High

Arthur

Thanks and sorry for the delay in responding.

Will need the following so that I can present memo to Town Board:

- Quote from the manufacturer
- PO request from Inframark

Note - need this by COB tomorrow as memo is due by 1 PM on Thursday

Is this considered an emergency or are any of these regulatory requirements as you are:

- running the system manually,
- won't know if any bulbs or ballast controls fail and
- not able to record the daily intensity and milliwatt output.

Thanks

Richard J. Franzetti, P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax - (845) 628-7085

Cell - (914) 843-4704

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From: Grippe, Arthur <arthur.grippe@inframark.com>

Sent: Wednesday, January 5, 2022 9:26 AM

To: Franzetti, Richard <rjf@ci.carmel.ny.us>; Brann, Thomas <thomas.brann@inframark.com>

Cc: Harris, Carrie <Carrie.Harris@inframark.com>; Batz, Michael <michael.batz@inframark.com>

Subject: Fw: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

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.

Richard,

Recently the HMI control screen for the UV system has failed. Unfortunately, the controller isn't under warranty and a replacement is no longer available. I've attached a copy of the proposal for the replacement. This will include the costs for the materials and installation by the manufacturer. The replacement is \$19,220 and the install will be \$4760. In the meantime, I've overwritten the controller and are running the UV system manually at 100%. So the system will continue to run. We just won't know if any bulbs or ballast controls fail. In addition to that we won't be able to record the daily intensity and milliwatt output.

Arthur Grippe | Plant Supervisor - Carmel, NY



2 Renwick Street | Newburgh, NY 12550

O: 845-541-3904

From: Valenti, Shawn <svalenti@trojantechnologies.com>

Sent: Friday, December 24, 2021 11:16 AM

To: TrojanUV Eastern US Municipal Territory <easternus@trojantechnologies.com>; Grippo, Arthur <arthur.grippo@inframark.com>

Subject: RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Hi Arthur,

The controls for your system isn't actually a PLC, but rather a micro controller and HM all built into one unit. This hardware is obsolete and replaced with the next generation which is the Beijer X2. The new hardware also requires all new I/O as well and thus a whole new Scc.

Hopefully that makes sense and we can always discuss in the new year.

Thanks,

Shawn

Confidential - Company Proprietary

From: TrojanUV Eastern US Municipal Territory <easternus@trojantechnologies.com>

Sent: December 24, 2021 10:21 AM

To: Grippo, Arthur <arthur.grippo@inframark.com>

Cc: Valenti, Shawn <svalenti@trojantechnologies.com>

Subject: RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Hi Arthur

Your existing HMI is no longer available – it is obsolete. We only have the TouchSmart panel as the replacement.

Thank you

MIKE D'ORIA Inside Sales Manager - Aftermarket Parts

3020 Gore Road, London, Canada N5V 4T7

(800) 291-0851 ext 2556 office (226)268-9224 cell

easternus@trojantechnologies.com

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A picture containing graphical user interface Description automatically generated



From: Grippo, Arthur <arthur.grippo@inframark.com>

Sent: Thursday, December 23, 2021 4:47 PM

To: TrojanUV Eastern US Municipal Territory <easternus@trojantechnologies.com>

Subject: Re: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Mike,

Our facility's normal hours of operation are from 7am-3pm.

Just to clarify. A replacement unit will be in the neighborhood of \$20,000 plus installation?

If so can you please explain why? I would just need a functioning navigation screen. The PLC controls appear to still be operating.

How long will the new units be covered under warranty?

Sent from my iPhone

From: TrojanUV Eastern US Municipal Territory <easternus@trojantechnologies.com>

Sent: Thursday, December 23, 2021 4:40:04 PM

To: Grippo, Arthur <arthur.grippo@inframark.com>

Subject: RE: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Hi Arthur

Attached is the proposal for the replacement HMI. Please note the existing HMI is no longer supported and would need to be replaced with the TouchSmart.

Please review the attached proposal and advise should you have any questions.

When would you need to take delivery?

Thank you

MIKE D'ORIA Inside Sales Manager - Aftermarket Parts

3020 Gore Road, London, Canada N5V 4T7

(800) 291-0851 ext 2556 office (226)268-9224 cell

easternus@trojantechnologies.com

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A picture containing graphical user interface Description automatically generated



From: Grippo, Arthur <arthur.grippo@inframark.com>

Sent: Tuesday, December 21, 2021 10:45 AM

To: TrojanUV Eastern US Municipal Territory <easternus@trojantechnologies.com>

Subject: Town of Carmel, NY - Sewer District #2(CT145926-HMI quote) 511264

Good Morning,

I would like to purchase a replacement HMI panel for out UV 3000plus. The screen is no longer functioning. We've gone through several of these over the past 10 years. I wasn't sure if this would be covered under warranty or not. Below is a photograph of the information located on the back of the panel.