

June 6, 2024



Frank Tironi, Jr.
Director of Water
Town of Halfmoon Water Department
2 Halfmoon Town Plaza
Halfmoon, NY 12065

**RE: BUTTON ROAD WATER STORAGE TANK
CONTRACT 1G CONTINGENCY FUND ALLOCATION – RADIO UPGRADES
MJ PROJECT No. 964.25**

Dear Mr. Tironi:

As discussed with the Town and General Control Systems, Inc. (GCS), the existing radio telemetry system throughout the Town's water distribution system, specifically the radio hardware, is nearing the end of its useful life. Additionally, the existing radios are obsolete and repair parts are becoming increasingly harder to locate in the event a repair is needed. Since the new Button Road water storage tank will be equipped with a new radio telemetry system via CB&I's tank construction contract, it is recommended that the remaining water system radios be upgraded at this time to ensure long-term reliability and compatibility. Accordingly, we have requested that GCS provide a proposal to upgrade the existing radios, as well as install a radio telemetry system at the new pressure reducing valve (PRV) station on Lower Newtown Road for the Town's consideration. The GCS proposal is attached hereto and includes new radios at the Brookwood Tank, Harris Road Pump Station, Werner Tanks, Angle Lane Tank, and the City of Troy metering pit (DeGussa Site). The proposal also includes new redundant pairs of radios at both the water treatment plant and Channel 10 News repeater site, as well as a new radio, enclosure, antenna, and appurtenances at the Lower Newtown Road PRV station. The total cost for the radio upgrades is \$74,910.

We have reviewed the contingency fund balance for CB&I's Button Road Water Storage Tank Contract, and accounting for all additional work performed to date, including the new radio telemetry system for the Button Road tank, there is approximately \$125,000 remaining in the contingency budget. Based on this, we feel there is sufficient budget remaining to cover the costs for the above radio upgrades, while also leaving funds for any additional unforeseen tank-related items. If the Town would like to proceed with the additional radio upgrades at this time, please let me know and we will have CB&I engage GCS for the work. Please note that per the General Conditions, CB&I will be entitled to a 5% markup on the GCS proposal. Including contractor markup, the total amount to be deducted from the contingency allowance would be \$78,656.

Should you have any questions or concerns, please do not hesitate to contact me at (518) 371-0799.

Sincerely,

Pete Holland
Project Manager



21 Corporate Drive
Clifton Park, NY 12065



518.371.0799
mj@mjteam.com
mjteam.com



Fishkill, NY
Levittown, NY
Piscataway, NJ
Melbourne, FL





General Control Systems, Inc.
17 Corporate Circle
Albany, New York 12203
(518) 270-8045 Fax (518) 270-8042



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June 13, 2024

ATTEN: MJ Engineering - Pete Holland

SUBJECT: **Halfmoon Water – Radio Upgrade**
PROJECT #: GCS Scope Number Q24-4554

We propose to furnish quality labor, materials and supervision to develop the control system as discussed. All work will be done in accordance with the following scope of work, and includes the quantities as listed below.

SCOPE OF WORK:

RADIO SYSTEM UPGRADE

Existing Radio System to be updated at following sites as described:

QTY (1) MDS Orbit Radio to be installed in existing panel at each of the following sites:

- Brookwood Tank
- Harris Road Pump Station
- Werner Tanks
- Angle Tank
- DeGussa

(Existing hardware and antennas to be used)

QTY (1) MDS Master Station redundant Radio Pair to be installed in existing panels at each of the following sites:

- Halfmoon Water Treatment Facility
 - To include a new rack mount enclosure with necessary ancillary equipment to house radio modem.
- Channel 10 News Repeater Site

(Existing hardware and antennas to be used)

QTY (1) Radio Enclosure to be furnished and installed at the following site:

- PRV Pit
 - To include new NEMA 4X enclosure complete with MOXA remote Ethernet I/O protocol converter, MDS Orbit ECR Radio Modem with Yagi antenna and cabling, Unistrut/bracket for mounting panel inside the pit and for mounting antenna outside pit on existing structure, surge protection, power supply, and ancillary equipment required to create a fully functioning panel.

Proposal includes programming, configuration, installation and start-up.

****Button Road Site Upgrades to be included under different proposal****

Total Price \$74,910.00

Payment terms - net 30 Days from invoice date, 1.5% interest will be applied to payments in excess of our terms.

CLARIFICATIONS:

- C-1 Proposal is based on GCS Standard Terms & Conditions.
- C-2 Submittals will be sent for approval by the Engineer.
- C-3 All wiring diagrams will be done using AutoCAD Electrical and submitted in written form or PDF format "dwg" files will remain in title to General Control Systems, Inc.
- C-4 Unless expressly noted above, all valving, tubing, fittings, or hardware required to connect instruments is provided by others.
- C-5 All device takeoffs are based on the current P&ID drawings at the time of bid.
- C-6 Shipping: FOB Albany, New York, pre-pay and add.

EXCLUSIONS:

- E-1 Overtime or Premium time labor outside of scope.
- E-2 Material and Equipment other than mentioned above.
- E-3 Sales or Use Taxes.
- E-4 Cutting and Patching of existing structures.
- E-5 Temporary Facilities.
- E-6 Concrete Mounting Pads.
- E-7 Manual valves.
- E-8 Instrument and control panel receiving, storage, unpacking, and delivery to installation area at the site, General Contractor is to provide a secure area for storage.

We hope you find our proposal satisfactory. If you should have any questions, please do not hesitate to call our office. This proposal is valid for a period of thirty (30) days after bid date.

Respectfully,
GENERAL CONTROL SYSTEMS, INC.

Maria Mangini

File: Q24-4554 Halfmoon Water - Radio Upgrade

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Please note that our bid is predicated on the understanding that our work is fully set forth above, that we shall be entitled to the rights, remedies and redress as well as subject to the obligations of the general contract documents with the Owner as they relate to our bid and/or our portion only of the work and any resulting subcontract, and that any resulting subcontract shall be subject to the terms of the current edition of AIA Document A401 "Agreement between Contractor and Subcontractor", or is contingent upon mutual agreement on written subcontract language prior to there being any binding obligation on the part of either party, and use of this bid or reliance upon it will result in acceptance of this bid should you be awarded the contract.

All information contained within this quotation is confidential. This information may not be copied and/or distributed, in part or whole, without obtaining written permission from General Control Systems, Inc.