Town of Granby is inviting you to a scheduled Zoom meeting.

https://us02web.zoom.us/j/85399282937?pwd=8O1WTkmfn2OPJ9qbSYj6y5XHxf7AQW.1

Or dial in: 1 (929) 205-6099

Meeting ID: 853 9928 2937

Passcode: 312930

BOARD OF SELECTMEN
REGULAR MEETING
MONDAY, JANUARY 6, 2025
TOWN HALL MEETING ROOM
7:00 P.M.
AGENDA

1. Pledge Of Allegiance
2. Minutes

   Documents:

   BOARD OF SELECTMEN MEETING MINUTES - 12.2.2024.PDF
3. Appointments

   Documents:

   BOS APPOINTMENT MEMO 1.06.2025.PDF
4. Old Business
5. Business

5.I. Girl Scout Gold Award Proclamation Presentation

5.II. Community Law Enforcement Addiction Recovery Program (CLEAR)

Documents:

CLEAR.PDF

5.III. Finance Department Job Description Approval

Documents:

FINANCEJOBDESCRIPTION.PDF

5.IV. "Plus One" General Fund FY26 Budget Narrative

5.IV.i. Board Of Selectmen Approval

Documents:

PLUSONEGENERALFUNDBUDGET.PDF

5.IV.ii. Call For Three Board Meeting To Review All Plus Ones

Documents:

PLUSONEANDCALLFORTHREEBOARDMEETING.PDF

5.V. Proposed Amendment To CPPAC Voting Membership

5.V.i. Town Treasurer

Documents:

CPPACAMENDEDAPPT.PDF

5.V.ii. Report On CPPAC Meeting

5.VI. Cemetery/Rights/Transfer Relinquishment Request

Documents:

CEMETERYRIGHTS.PDF

5.VII. Neglected Cemetery Account Grant Program Authorization

Documents:

NEGLECTEDCEMETERYACCOUNT.PDF

5.VIII. Park And Recreation Study Appropriation Request

Documents:

PRSTUDYANDAPPROPRIATION.PDF

5.IX. Radio Communication's System Agreement Approval

Documents:

COMMUNICATIONSSYSTEM.PDF
RADIO SYSTEM AGREEMENT.PDF
RADIOCOMMUNICTIONSYSTEM.PDF

6. Town Manager Report

6.I. Town Manager's Departmental Report As Of December 31, 2024

Documents:

TMREPORT.PDF

7. First Selectman Report

8. Selectmen Reports

9. Public Session

10. Executive Session

11. Adjournment

The next Regular Meeting is the Three Board Meeting Scheduled for January 21, 2025.

TOWN OF GRANBY
BOARD OF SELECTMEN
REGULAR MEETING

Members Present:	First Selectman Mark H. Fiorentino Selectman Mark C. Neumann Selectman Frederick A. Moffa Selectman Margaret Q. Chapple Selectman Kelly O. Rome
Others Present:	Mike Walsh, Town Manager Scott A. Nolan, Town Clerk Kimi Cheng, Finance Director – Via Zoom Ben LaVigne, Student Liaison

At 7:00 p.m. First Selectman, Mark H. Fiorentino called the meeting of the Board of Selectmen to order in the Town Hall Meeting Room 14 North Granby Road, Granby, CT 06034.

I. PLEDGE OF ALLEGIANCE

Scott A. Nolan, Town Clerk led members of the Board of Selectmen in the Pledge of Allegiance.

II. MINUTES

A. Approval of Board of Selectmen Regular Meeting Minutes – November 18, 2024

Selectman Mark C. Neumann made a motion for the adoption of the following resolution:

> **BE IT RESOLVED,** that the Granby Board of Selectmen hereby approves the minutes of the Board of Selectmen meeting minutes of November 18, 2024.

The motion was seconded by Selectman Kelly O. Rome at which time the motion passed by a unanimous voice vote **(5/0/0) MOTION CARRIES.**

III. APPOINTMENTS

First Selectman Mark H. Fiorentino informed members of the Board of Selectmen that they had received no recommendations to take action on.

IV. OLD BUSINESS

No old business took place.

(Continued on Next Page)

V. BUSINESS

A. Referral of Right to Farm Ordinance to Planning and Zoning and Development Commission

Mike Walsh, Town Manager informed members of the Board of Selectmen that a draft of the Right to Farm Ordinance had been prepared by the Agricultural Commission and that it needed to be referred to the Town's Planning and Zoning Commission and Development Commission for their review and comment.

Selectman Margaret Q. Chapple made a motion for the adoption of the following resolution:

> **BE IT RESOLVED,** that the Granby Board of Selectmen hereby refers the attached draft Right to Farm Ordinance as prepared by the Town of Granby Agricultural Commission to both the Planning and Zoning Commission and Development Commission for review and comment, and to further requests that both commissions return any comments to the Board of Selectmen within the 90 days.

The motion was seconded by Selectman Frederick A. Moffa at which time discussion took place. After a brief discussion, the motion passed by a unanimous voice vote **(5/0/0) MOTION CARRIES.**

B. Approval of Donation Policy and Acceptance of a Donation of a Granite Bench

Mike Walsh, Town Manager informed members of the Board of Selectmen that in recent months, several residents and businesses have approached the Town of Granby with a desire to make a donation benefiting the Town in some way and that Mike Walsh, Town Manager is asking the Board of Selectmen to approve the attached Donation Policy so that the Town of Granby has a predefined set of rules to follow when considering the acceptance of any donation and to accept a donation for the memorial bench to be installed at the Library.

Selectman Frederick A. Moffa made a motion for the adoption of the following resolution:

> **BE IT RESOLVED,** that the Granby Board of Selectmen hereby approves the attached Donation Policy for the Town of Granby to be administered by the Town Manager. Additionally, on behalf of the Town of Granby, we accept the generous donation of a memorial bench in memory of Lynn, for installation at the Town of Granby Library, and wish to extend our sincere thanks and appreciation to Ms. Jill Crooker, and Mr. and Mrs. David and Joanne Boyden.

The motion was seconded by Selectman Kelly O. Rome at which time discussion took place. After a brief discussion, the motion passed by a unanimous voice vote **(5/0/0) MOTION CARRIES.**

(Continued on Next Page)

C. Budget Memo

Mike Walsh, Town Manager informed members of the Board of Selectmen that by way of a memo in their packet the "Plus-One" General Fund FY26 Budget for the period beginning July 1, 2025, through June 30, 2026, is included and that the purpose of the "Plus One" Budget is to provide a snapshot of the condition of the town, as well as the direction that the budget is moving on preliminary estimates and that the "Plus One" budgets are prepared by the Town and BOE, adopted by their respective boards, and submitted to the Board of Finance at the "Three Board Meeting" in mid-January. Further discussion took place.

D. Approval of Finance Job Descriptions (5)

Mike Walsh, Town Manager informed members of the Board of Selectmen that one of the projects the Town continues to work on is the update of job descriptions, as necessary, to reflect new job responsibilities, or to bring the job descriptions into better compliance with current labor law. Mike Walsh, Town Manager further explained that over the last few months, the Board of Selectmen has approved amended job descriptions for the GMEA and Public Works Union as some of the bargaining unit positions were directly impacted by the reorganization of departments and that he is requesting approval for the five attached job descriptions covering the duties performed with the Finance Department of the Town of Granby.

Selectman Margaret Q. Chapple made a motion for the adoption of the following resolution:

> **BE IT RESOLVED,** that the Granby Board of Selectmen hereby approves the five amended Finance Department job descriptions presented in the November 25, 2024, memo from the Town Manager Mike Walsh.

The motion was seconded by Selectman Mark C. Neumann at which time discussion took place. After a brief discussion, the motion passed by a unanimous voice vote **(5/0/0) MOTION CARRIES.**

VI. TOWN MANAGERS REPORT

Mike Walsh, Town Manager addressed members of the Board of Selectmen regarding the various town departments noting that; the Town Mangers office began departmental meetings on the FY26 budget using the new ClearGov software, compiled the Plus One budget memo for the 12/2/2024 BOS meeting, the Town officially acquired 87 Simsbury Road, continued to prepare for the KCE Battery Project Siting Council presentation, completed all Kearns informal interviews, participated in a CRCOG electricity auction, attended the Town Clock unveiling, completed PowerPoint presentations for LAFD and FAA for the upcoming budget, met with the Meadow Committee and heard about a planned "meadow burn: in 2025, worked toward support for the CLEAR program with surrounding towns, in the process of completing the 2023 supplemental motor vehicle grand list,

(Continued on Next Page)

which includes all the Motor Vehicles registered between October 2, 2023 – June 30, 2024, the value for the 2023 MV supplemental list is approximately 15,000,000 in assessment, which results in over $493,000 in additional taxes collected, navigating the New State Statute regarding the property exemption for 100% Permanently and Totally Disabled service-connected Veteran's, meeting with CIRMA for FY26 renewal information, assisted BOE for HS Roof grant reimbursement application, worked with BOE for the interfund reconciliation, drug take back event yielded 145 pounds of prescription drugs, stuff a cruiser event at stop and stop was a huge success – 4 truckloads of food and sundries were delivered to the Farmington Valley Food Bank, Sgt. Kreimes and Ofc Abalan attended PIO training at WFSB Channel 3, ballistic shields are now present in each patrol vehicle, car war driven into a closed garage with substantial damage to garage, reports of fraud are on the rise, an extension amount of cleaning and removal of debris was completed at the Animal Shelter, vinyl siding was added to the back of the building, many facia boards were replaced, interior painting, lighting/ electrical replacement and the same with plumbing, phase 2 of the sewer flow study has been approved, on November 2nd the Granby Public Library in collaboration with the Granby Public Schools librarians hosted the 2nd annual Granby Children's Book Festival which featured 25 authors and illustrators, vendors, food trucks, crafts and activities, library patrons and staff have been loving the brand-new computers recently purchased using the PURA-PEGPETIA grant which was awarded in May, posted DPW Facilities Supervisor position for internal candidates only, presentations on the 2025 Collette trips to the Colorado Rockies and Discover Switzerland Day trip to the Mohegan Sun for the New England Christmas Festival, those who attended the Windsor Federal presentation on Scams Targeting Seniors now have an understanding of the schemes scammers use to get your money, Thanksgiving Luncheon was served by our friends from the Flying Yankees, Airmen of the Bradley National Guard, and finally the Youth Service Bureau is working on collaborating with the Police Department, Ambulance, Fire Department, and the school to hold a mock accident during Prom season.

VII. FIRST SELECTMAN REPORT

First Selectman Mark H. Fiorentino informed members of the public that the ribbon-cutting event at Salmon Brook Park for the walking path was a success and thanked the team for their efforts to get the project done and that it has added good energy to the park. First Selectman Mark H. Fiorentino also informed members of the public that the annual holiday tree lighting event is this Saturday, December 7, 2024, at 4:30 p.m. at leaving from Town Hall and that Santa was due to make an appearance. First Selectman Mark H. Fiorentino also reminded members of the public that the battery project was still in the hearing phase and that the Town of Granby is very prepared to submit its case. First Selectman Mark H. Fiorentino informed members of the public that the RFPs for Kearns School were submitted and that a special meeting was going to be held on January 13, 2024, at 6:00 p.m. to discuss the proposals. First Selectman Mark H. Fiorentino also reported on behalf of Zainab Zafar, Student Liaison that the band concert is this week, the National Honors Society is hosting their annual volleyball night, and the French Honors Society is hosting their induction ceremony next Wednesday, December 11, 2024, from 6:00 p.m. to 7:00 p.m.

(Continued on Next Page)

VIII. SELECTMAN REPORTS

Selectman Margaret Q. Chapple informed members of the public that the basketball courts are looking very nice at Salmon Brook Park.

Ben LaVigne, Student Liaison informed members of the public that last week Granby students went to the Stock market challenge, and they won, football has their playoff game on Tuesday, December 3, 2024, and the Theater Department has announced the spring play will be Legally Blonde.

IX. PUBLIC SESSION

No Public Input was offered.

X. EXECUTIVE SESSION

No Executive Session took place.

(Continued on Next Page)

ADJOURNMENT

There being no more business to come before the meeting, Selectman Kelly O. Rome made a motion to adjourn the Board of Selectmen meeting at 7:54 p.m., which was seconded by Selectman Margaret Q. Chapple and passed by a unanimous voice vote. **(5/0/0) MOTION CARRIES.**

Respectfully submitted & attested,

Scott A. Nolan
Town Clerk

Received for Record December 3, 2024, at 12:02 PM
By SCOTT A. NOLAN, Town Clerk

TOWN OF GRANBY

MEMORANDUM **DATE:** January 6, 2025

TO: The Granby Board of Selectmen

FROM: Scott A. Nolan, Town Clerk

REGARDING: **Appointments**

The following positions are open. The name in parenthesis is the last person to hold the position. When appointments are ready to be made, the following motions are recommended:

That_____ be appointed to the Library Board for a term beginning immediately and ending January 10, 2028. (Robert P. Donna-D)

That_____ be appointed to the Library Board for a term beginning immediately and ending January 10, 2028. (Patricia Ann Jones-D)

That_____ be appointed to the Conservation Commission for the balance of a four-year term beginning immediately and ending January 8, 2028. (Kelley Lawton - U)

That_____ be appointed to the Conservation Commission for the balance of a four-year term beginning immediately and ending January 12, 2026. (Melinda Gould - D)

That_____ be appointed to the Park & Recreation Commission for the balance of a two-year term beginning immediately and ending January 8, 2026. (Stephen Simard -D)

CC: Mike Walsh, Granby Town Manager

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Granby Town Manager

REGARDING: **Community Law Enforcement Addiction Recovery Program (CLEAR)**

It is well-established that drug use and addiction is a major problem that impacts all of us on multiple levels; individuals, families and communities bear the many ill-effects that it has on our safety, health and the economy. The alarming reality of the heroin/opiate epidemic has created an urgent need to work together to reverse these trends.

The Community Law Enforcement Addiction Recovery Program (CLEAR) was created to address this problem. The mission of CLEAR is to form a collaborative network of professionals in our community who will facilitate medical intervention, improved access to treatment and recovery support for those struggling with drug addiction who seek assistance, without fear of arrest or prosecution, in order to make a positive difference in the quality of life for individuals, families and our entire community.

How can we fund this program? After years of litigation, major opioid manufacturers and distributors have begun paying $600 million in settlement funds to Connecticut over the next 20 years. Those funds are intended to be allocated in ways that prevent future opioid deaths. The Town of Granby's share of this settlement is $30,000 per year. We have already received $72,000 over the last 30 months.

In light of the addiction issue and the settlement funding to be programed, Police Chief Scott Sansom, Social Services Director Sandy Yost, and I support the Town of Granby's entrance into the CLEAR Program, and respectfully request your support of the attached MOU with McCall Behavioral Health Network, as well as the attached resolution in support of this regional approach to addiction and recovery.

A motion to consider is presented below.

Proposed Motion:
I move that the Board of Selectmen approve the attached Memorandum of Understanding with McCall Behavioral Health Network, the attached program resolution including any related documents, and we further approve of the use of Opioid Settlement Funds not to exceed $28,000 in any fiscal year, in order to establish the Regional CLEAR Program in the Town of Granby.

Opioid Addiction Task Force Response Program Resolution
CLEAR Regionalization Effort
For the Fiscal Year Ending June 30, 2025 and Beyond

WHEREAS the towns under the Farmington Valley Health District including the Towns of Avon, Canton, East Granby, Granby, Farmington, and Simsbury have a common interest identifying gaps in existing community support for substance use/misuse; identifying best practices for addressing gaps; and identifying efficiencies and economy of scale; and

WHEREAS the problem of addiction and substance abuse affects all towns in the region with the impacts including negative citizen health, breakdown of family structures and relationships, and higher Police responses; and

WHEREAS a regional approach developed includes expertise beyond what any one town could build independently, maximizes use of existing town supported wrap around services, increases opportunities for future funding, and boosts efficiency of each participating town; and

WHEREAS through the settlement of opioid related litigation, the forementioned towns receive annually a sum related to the National Opioid Settlements until the year 2039; and

WHEREAS the CLEAR program has been identified to increase connections to care for people with substance use disorder, to create cohesive and collaborative response, to ensure continuity of care and wrap around supports, and to integrate data platforms to bridge the gap between law enforcement and support teams; and

WHEREAS the CLEAR program allows responders to share information via data systems on overdoses or substance use, assigns a team of law enforcement and outreach workers to conduct a visit within 24 hours, and provides ongoing support, referral and resources to individual and their families by outreach workers; and

WHEREAS the CLEAR program invites participating Towns to commit their allocated opioid settlement funds in support of the regional cooperative initiative each member Town will abide by and adhere to the contract between its town and McCall Behavioral Health Network.

NOW, THEREFORE, BE IT RESOLVED the Board of Selectmen of the Town of Granby, acting through its Town Manager, Police Chief, and Community Services Director hereby authorizes the execution of such participation MOU and any other related documents to allow regional towns to enter into and execute a funding agreement as necessary for CLEAR, including an annual commitment of Opioid settlement payments not to exceed $28,000 in support of standing this program up for the benefit of the Town of Granby.

Memorandum of Understanding between
McCall Behavioral Health Network
And Town of Granby

McCall Behavioral Health Network (McCall) and Town of Granby hereby enter this Memorandum of Understanding ("MOU") effective as of January 7, 2024 to establish a collaborative relationship for the purpose of developing a service delivery partnership through the Community and Law Enforcement for Addiction Recovery (CLEAR) Initiative to assist people living with substance use disorders (SUD), their families, and the community.

I. Scope of Work

This MOU establishes a collaborative partnership between behavioral healthcare providers and law enforcement to conduct proactive and follow-up engagement for people with a substance use disorder and impacted families. This partnership, hereinafter referred to as the CLEAR Initiative, is designed to:

1. Conduct outreach to individuals following an overdose or SUD-related interaction with law enforcement to provide a warm hand-off to support.
2. Facilitate access to recovery support, harm reduction, and treatment.
3. Provide support for families and loved ones.
4. Provide reentry support for people returning from incarceration to the community who have a substance use disorder.
5. Collaborate with local and statewide agencies to develop best practices.

Parties will establish cross-agency "Outreach Teams", which will consist of at least one each of the following: community engagement specialist, one family recovery coach, and one CLEAR trained police officer. Other agencies, through separate agreements, may participate in the outreach teams as needed, including Mobile Crisis or Behavioral Health Unit members.

II. Program Structure

McCall Behavioral Health Network will commit to the following activities:

1. Serve as lead agency and fiscal agent
    a. Local oversight of program operations
    b. Ensure compliance with grant or funding requirements
    c. Maintain program data and track progress
2. Act as behavioral health partner in Outreach Team
    a. Provide personnel, including the Community Engagement Specialist and Family Recovery Coach for the team
    b. Participate in the initial engagement attempt within 24-36 hours following a referral
    c. Conduct ongoing follow-up and provide recovery support and resources to individuals and families referred to the outreach team

Police Department will commit to the following activities:

1. Act as law enforcement partner in Outreach Team
    a. Make referrals of individuals to the Outreach Team following an overdose incident or other engagement where substance use disorder is present, within 24 hours of the interaction or incident, through the Cordata Community Referral Solution
    b. Assign outreach officers to be CLEAR trained through the Deflection Academy, as necessary to ensure adequate coverage to meet program goals
    d. Participate in the initial engagement attempt within 24-36 hours following a referral

Both parties will commit to the following activities:

1. Appoint designated contacts to facilitate program communication and activities
2. Collaborate on timelines for program updates and milestones
3. Participate in annual Performance Management Adherence Tool (PMAT) to measure CLEAR initiative progress, performance, strengths, and areas of improvement for the collaboration
4. Participate in regular program meetings to discuss program progress, successes, needs, and next steps
5. Provide regular updates and data to support local efforts to addressing and preventing substance use disorders and overdoses.

III. Outreach Team Function

Central to the CLEAR Initiative is a collaborative Outreach Team. The team's primary function is to conduct home outreach visits following an overdose or law enforcement engagement within 24-36 hours of an incident occurring. The goal of the visit is to connect individuals through referrals to behavioral health partners to deflect the individual away from the criminal justice system and connect them with support and treatment.

In furtherance of these goals, the parties hereby agree to operate the Outreach Team following the guidelines listed hereafter:

1. Overdose incidents, other SUD-related interactions, and people whom the referring party is concerned for their wellbeing, will be identified and relevant information for referral will be documented in the Cordata Community Referral Solution following the incident or interaction.
2. Before initiating a follow-up visit, the involved law enforcement agency will conduct an inquiry into any active arrest warrants for the identified individual.
    a. If active warrants exist, local law enforcement protocols will be followed, including potential arrest by the appropriate department.

b. Outreach Team members will not participate in arrests or enforcement actions and they should not be conducted as a part of the follow-up engagement unless exigent situations warrant it.
c. Arrested individuals will still be offered referrals to services and outreach in accordance with court procedures.
d. To maintain the program's credibility, the Outreach Team will operate separately from traditional law enforcement activities or action, such as not using outreach as a tool for investigation.

3. Within 24-36 hours (or as soon as possible) following a referral the Outreach Team will conduct a follow-up visit at the location of the incident. The team will provide referrals for services to the person who experienced the overdose or SUD-related incident, as well as family members, loved ones, or other associated individuals.
    a. Prior to conducting the follow-up visit, the Outreach Team will develop a plan to ensure safety, thorough review, and adherence to protocols and policy.
4. When conducting follow-up visits or proactive outreach, the Outreach Team will assist individuals who accept support. Support may include but is not limited to:
    a. A follow-up appointment to work with the CLEAR personnel for recovery support
    b. Disseminate naloxone and overdose prevention training
    c. Provide access to harm reduction resources
    d. Facilitate referrals and access to treatment
    e. Provide family recovery coaching
    f. Connect individuals to social services and other supports for their well-being

IV. Assurances

Each party hereby assures and represents that they:

1. Agrees to be bound by every statement and assurance made by the Lead Agency and/or its designated board
2. has all requisite power and authority to execute this MOU.
3. Is familiar with the group's commitment to working collaboratively to meet the responsibilities specified in this MOU to ensure the CLEAR Initiative's success.
4. Will comply with all the terms of MOU, including terms of grants if awarded, as well as laws and regulations applicable to the collaborative, and the applicable provisions.

V. Modifications

1. Consistent with the Lead Agency's responsibility to implement the CLEAR Initiative, this MOU may be amended only by written agreement signed by all parties.
2. Parties may request changes to this MOU after it is executed.
3. Modifications of this MOU do not relieve members of the group from implementing the content of the original MOU; therefore, any modification must be approved by all parties.

4. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by both parties will be incorporated by written instrument, and effective when executed and signed by each party.

VI. Confidentiality

Parties will safeguard protected information in agreement with federal and state law, rules, and regulations, including, but not limited to the Health Insurance Portability and Accountability (HIPAA) Act of 1996 and its implementing regulations, as amended as well as 42 CFR Part 2, regarding the privacy rights of individuals and/or their families that the outreach teams have received referrals for or are providing services described under this agreement. For purposes of patient confidentiality, the outreach team and/or representatives of CLEAR will not request any patient information from health care partners. Healthcare partners will receive the incident information through a secure, database notification system.

Hold Harmless, indemnification and Insurance. Parties will to the extent permitted by law, indemnify, defend, and hold harmless one another including their respective board of trustees or directors, officers, agents, and employees from and against any and all claims, costs, demands, expenses (including attorney's fees), losses, damages, injuries, and liabilities arising from any accident, death, or injury whatsoever, however, caused to any person or property, because of, arising out of, or related to the active negligence of the other(s). Such indemnity will survive this MOU. Parties will be responsible for their acts and omissions and will be liable for the expense related to that portion of any and all claims, liabilities, injuries, suits, and demands and expenses of all kinds resulting or arising out of any alleged malfeasance or neglect caused or alleged to have been caused by said Party, its trustees, directors, officers, employees or agents in the performance or omission of any act or the responsibility of said Party under this MOU. If a claim is made against any Party, the Parties will cooperate with one another in the defense of said claim and to cause their respective insurers to do likewise. Parties will, however, retain the right to take any and all actions necessary to protect their respective interests.

Non-Financial Obligation. Nothing in this MOU will obligate Parties to transfer any funds. Any obligation of funding among Parties under this MOU must be executed under a separate agreement(s).

VII. Effective Date, Duration, and Termination

This MOU will remain in effect from the date of signature until terminated by the Parties. Any Party to this MOU may terminate their performance under this MOU at any time and for any reason by delivering to the remaining Parties written termination notice at least 30 days before

the termination is effective. In such an event, all non-terminating Parties shall remain bound to the MOU.

VIII. Authorized Representatives and Signatures

By signing below, Parties certify through their corresponding, duly authorized officials this MOU will be effective upon signature and mutually approved. The aforementioned will be known individually as a "Party" or collectively as "Parties" to this collaboration.

Maria Coutant Skinner, LCSW
President and CEO
McCall Behavioral Health Network

Mike Walsh
Granby Town Manager

Scott Sansom
Granby Police Chief

Sandra Yost
Granby Director of Community Services

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Granby Town Manager

REGARDING: **Finance Department Job Description (One) Approval**

One of the projects the Town continues to work on is the update of job descriptions, as necessary, to reflect new job responsibilities, or to bring the job descriptions into better compliance with current labor law.

Over the last few months, the Board of Selectmen have approved amended job descriptions for the GMEA and Public Works Unions as some of the bargaining unit positions were directly impacted by the reorganization of departments. Additionally, at the last meeting, this Board approved five Finance related job descriptions.

Today we ask for your approval of one attached job description covering the duties performed by the Senior Accountant within the Finance Department of the Town of Granby. Krista Shaffer, the Town's Human Resources Director, and Kimi Cheng, the Town's Finance Director, have worked cooperatively to amend this job description to better represent the work done within the Finance Department today.

As it relates to the attached job descriptions, Charter Section 9-1 establishes the Merit System with Charter Section 9-2 establishing the Classified Service, including the creation of job descriptions. Per the Charter, job descriptions are then approved by the Board of Selectmen.

Accordingly, I respectfully request the following motion be approved to allow this job description to be officially accepted by the Board of Selectmen.

Proposed Motion:
I move that the Board of Selectmen approve the attached job description of the Senior Accountant for the Finance Department as presented in the December 31, 2024, memo from the Town Manager.

TOWN OF GRANBY

SENIOR ACCOUNTANT

POSITION SUMMARY:

Prepares payroll information of a confidential nature for all Town employees and retirees, maintains fringe benefits information and reviews and posts Accounting Clerk I and/or Accounting Clerk II work in the accounting system.

SUPERVISION RECEIVED:

Receives supervision from the Director of Finance.

ESSENTIAL JOB FUNCTIONS:

Receives oral or written instructions from supervisor. Plans and organizes work according to established office procedures.

Performs routine calculating, posting, and verification of data to obtain primary financial information for use in maintaining a payroll control system. Review systems and processing to suggest, test, and implement improvements to contribute to the efficiency and effectiveness of payroll processing.

Maintains employee leave and attendance records. Maintains employee time and attendance reports, rectifying any discrepancies that may occur and enforcing policies and rules on the use of time.

Coordinates employee and retiree benefit programs. Prepares and maintains employee information related to health benefits, Defined Benefit Pension, Deferred Compensation plans, Defined Contribution plans, and other insurance programs.

Pays employees by calculating pay and deductions; issues checks and direct deposit advices. Maintains payroll information by collecting, calculating and entering data. Regularly updates payroll to reflect individual and group changes. Updates payroll records by entering changes in exemptions, insurance coverage, savings deductions, job titles and employee transfers.

Prepares reports on earnings, taxes, deductions, leave, disability and nontaxable wages.

Responds to inquiries from other town departments, the general public, State of Federal officials, banks, and other outside agencies.

Informs supervisor for the need for changes in policies and procedures when needed.

Prepares all monthly, quarterly, and annual reports for Federal and State agencies. Prepares W-2, 1099R, 1095 and other related payroll and insurance reports and statements.

Notifies employees and retirees of changes to benefit plans and premiums; Corresponds with employees and retirees and the organizations administering benefits.
Assists other departments with payroll inquires.

Coordinates with worker compensation insurance carrier to complete annual worker compensation audit.

Assists Accounting Clerk II with bank reconciliation, and reviews monthly bank reconciliation.

Reviews and posts cash receipts to accounting system.

Reviews and processes invoices, issues accounts payable checks, and posts accounts payable transactions in the accounting system.

Performs other accounting and purchasing responsibilities in the absence of other staff members.

Examines and reconciles transactions in various funds regularly for accuracy.

Reconciles interfund transactions with the Board of Education and enters all necessary entries as needed.

Prepares year-end adjusting entries in the preparation of the annual audit.

Oversees the day-to-day operations in the Finance Department to ensure financial transactions are recorded in a timely manner.

Trains Accounting Clerk I and/or Accounting Clerk II.

Completes special projects and other related work as required.

QUALIFICATIONS:

The skills and knowledge required would generally be acquired with a minimum of an associate's degree in accounting, finance, business management, or related field, with five years of experience in accounting or finance field.

KNOWLEDGE, SKILLS AND ABILITIES:

Considerable knowledge of the principles and practices utilized in payroll operations.

Knowledge of intermediate accounting, bookkeeping, payroll and record-keeping procedures.

Proficient in Microsoft Office products; intermediate/advanced Excel skills.

Knowledge and to use financial and payroll software packages. Infinite Visions experience preferred.

Ability to prepare statistical reports.

Ability to maintain files and records with a high degree of accuracy.

Ability to interact and effectively communicate with other employees, retirees, vendors, state, federal, and banking officials, the general public, and other outside agencies.

Ability to meet deadlines.

PHYSICAL AND MENTAL REQUIREMENTS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is regularly required to use hands to handle, feel and operate office equipment, or controls and reach with hands and arms. The employee is frequently required to sit. The employee is occasionally required to walk; talk or hear; sit; and smell. The employee must occasionally lift and/or move up to 30 pounds. Specific vision abilities required by this job include close vision

TOWN OF GRANBY

MEMORANDUM **DATE:** November 30, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Town Manager

REGARDING: **"Plus One" General Fund FY26 Budget – July 1, 2025 - June 30, 2026**

By way of this memo, please accept the "Plus-One" General Fund FY26 Budget for the period beginning July 1, 2025, through June 30, 2026. The purpose of the "Plus One" Budget is to provide a snapshot of the condition of the town, as well as the direction that the budget is moving based on preliminary estimates.

"Plus One" budgets are prepared by the Town and BOE, adopted by their respective boards, and submitted to the Board of Finance at the "Three Board Meeting" in mid-January.

The Board of Finance then provides preliminary budget guidance at the end of January which is then finalized in February when better revenue and expenditure information is available. To begin this process, please accept some important Granby municipal financial metrics below.

Metrics @ June 30,	2023	2024	2025
Unassigned Fund Balance	$ 10,886,872	$ 6,901,358	TBD
Medical Reserve	$ 287,854	$ 294,056	TBD
Pension Funded	$ 21,512,289	$ 23,464,212	TBD
Pension Funded %	85.11	93.71	TBD
Pension Discount Rate	6.5%	6.5%	6.5%
OPEB Funded	$ 5,404,688	$ 6,067,735	TBD
OPEB Funded %	51.43	55.69	TBD
OPEB Discount Rate	6.0%	6.0%	6.0%
Bond Rating	AA+	AA+	AA+
Bonded Debt	$ 15,613,065	$ 13,934,504	TBD
Collection Rate	99.26	98.93	TBD
Taxable GL Value (Before BAA)	$ 1,073,748,490	$ 1,378,046,350	$ 1,395,107,580
Total Tax Levy	$ 41,300,483	$ 42,251,062	$ 44,492,129
Mill Rate	39.98	31.89	33.13
1% of the Town budget	$ 161,917	$ 169,500	$ 179,254
1% of the BOE budget	$ 344,064	$ 361,553	$ 381,185
Value of a mill	$ 1,033,029	$ 1,324,900	$ 1,342,956
1% Grand List Growth	$ 10,737,485	$ 13,780,464	$ 13,951,076
New Revenue from 1% GLG	$ 429,285	$ 439,459	$ 462,199
CPI-U		3.0%	

The Budget Process in Brief:

1. November – Directors prepare estimates for the operating and capital budgets
2. December – CPPAC begins assessing capital priorities
3. December – the Town Manager provides the BOS with the "Plus One" FY26 narrative
4. January – the Boards of Selectmen, Education and Finance meet jointly on the budget
5. February – the Board of Finance provides final budget guidance and mill rate targets
6. March – Budget workshops begin – open to the public
7. April – the Board of Finance makes final budget adjustments and the residents vote

A detailed timeline for the production of the budget is attached to this correspondence. Also, of note for the March Budget Workshop is a new, more transparent process that will be available to the Board of Selectmen, the Board of Finance, and the public. ClearGov Budget Software is being employed for the FY26 budget process and the difference should be notable.

With respect to the FY26 Budget Book, easier to read departmental budget summaries will also contain a Personnel Services Report which will detail base salaries by position by department. A brief summary of the statutory responsibilities and goals and objectives of each department will be provided in a budget workbook. Finally, a brief PowerPoint presentation by department, including an organization chart and some highlights of the salient activities of the unit, will also be provided.

Taken together, the easier to read budget book, the budget workbook, and the PowerPoint, will deliver a more concise and precise presentation of the work competed by the Town of Granby with budget money put in place through the budget process and by the taxpayers.

Budget totals for the last three fiscal years and the upcoming FY26 budget are presented below:

The Baseline Budget:

As of June 30th	2023	2024	2025	2026	Inc (Dec)	Inc (Dec)
Town Budget	$ 12,599,318	$ 13,104,913	$ 13,778,911	$ 14,110,260	$ 331,349	2.40%
Debt Service	$ 1,742,393	$ 1,695,078	$ 1,746,458	$ 1,731,368	$ (15,090)	-0.86%
Capital Budget	$ 1,850,000	$ 2,150,000	$ 2,400,000	$ 2,450,000	$ 50,000	2.08%
Total Town Budget	$ 16,191,711	$ 16,949,991	$ 17,925,369	$ 18,291,628	$ 366,259	2.04%
BOE Budget	$ 34,406,357	$ 36,155,291	$ 38,118,521	TBD	$ -	
To Commo Fund	$ -	$ -	$ 4,000,000	$ -	$ -	
Total Granby Budget	$ 50,598,068	$ 53,105,282	$ 60,043,890	$ 18,291,628	$ 366,259	

Key budget drivers, those accounts that are increasing or decreasing year over year, are presented below.

Budget Account	FY25	FY26	Inc (Dec)	Inc (Dec)
Permanent Services	6,630,089	6,895,453	265,364	4.00%
Medical/Fringe Benefits	2,129,000	2,004,868	(124,132)	-5.83%
Retirement Benefits	1,139,080	1,191,559	52,479	4.61%
General Government	3,880,742	4,018,380	137,638	3.55%
Capital Funding	2,400,000	2,450,000	50,000	2.08%
Lease Funding	N/A	N/A	N/A	N/A
Debt Service - Bonds	1,746,458	1,731,368	(15,090)	-0.86%
Totals	**17,925,369**	**18,291,628**	**366,259**	**2.04%**

The Budget Narrative:

Regular Full Time Salaries

To deliver a host of services across all Town departments to the community, the Town employs 63 full-time employees and dozens of part-time and seasonal employees with Permanent Services (full-time, part-time, overtime, and one new position) totaling $6.9 million for the FY26 Budget Year. The gross increase from FY25 to FY26 of $265 thousand is driven by contractual wage settlements of 3% for the four bargaining units and non-union employees, including the impacts to job description changes brought about by departmental reorganizations.

This amount includes the reduction of two full-time staff – the Parks and Recreation Director and the Deputy Public Works Director (approximately $205 thousand) and the addition of one full-time Police Officer ($100 thousand) to provide supervision during the evening shifts within the Police Department.

The Town also has a Shared Services agreement with the BOE who provides the Town's IT functions. For FY26, the Town will pay 30% of the BOE's direct personnel IT costs which is an increase of $45 thousand from the current year. Their service is noteworthy as it is excellent!

Medical Benefits

The Town provides a variety of fringe benefits to employees covered negotiated labor contracts or the Town's Personnel Rules. In general, due to larger than average family units, adverse medical experience, and the costly PPO medical network, the Town has experienced rising medical costs on an annual basis. However, with all contracts now providing medical benefits under an HDHP, medical projections are decreasing by $124 thousand with a 2.9% medical cost inflation escalation included.

Additionally, movement to a new insurance carrier to provide Stop Loss coverage to the Town avoided $424,000 of scheduled cost increases. The Town continuously reviews the method of the delivery of these benefits in an effort to maintain coverage while lowering cost. Payments for Retiree Medical expenses will now be charged to the OPEB Trust. The OPEB Trust and Medical Reserve will be reviewed to be sure the change in accounting charges is better reflected in the construction of both the OPEB and Medical Reserve contributions.

Retirement Benefits

The Town provides a mixture of defined benefits in the form of a pension plan to Police and BOE employees while a defined contribution plan is provided to all other employees. The Town also provides limited medical benefits into retirement for some grandfathered employees. Both these types of plans require a projection of costs to be deposited into a Pension Trust and OPEB Trust, respectfully.

Those costs are best described as an actuarially determined contribution (ADC), and historically, the Town of Granby has made the full annual calculated contribution as well as estimating the future growth of the invested funds with an accurate discount rate, which is another term for the expected annual invest growth from the invested proceeds.

The importance of a trust for both benefits cannot be understated as the investment earnings over time will replace 70% of what the taxpayers would have paid for these benefits without a trust. The increase in the annual contributions for this category of expense is $52 thousand.

General Government

Refuse Collection – the Town provides weekly refuse collection and bi-weekly recycling collection to residents. As the options for disposal within the State are reduced, the cost of trucking our waste to out of state processing facilities and the tipping fee to pay for the disposal of that waste increases. Accordingly, the cost to the Town to support this benefit is increasing by $27 thousand.

Municipal Software – Each department in Town relies of unique software created for municipal governments to more efficiently handle the daily activities from tax collection, the recording of birth and death certificates, all the way to the operating systems that run on our computers to run this software. The annual maintenance cost for these systems is increasing by $20 thousand.

Electricity/Gasoline/Diesel/Heating Oil – The town is coming off one competitively bid electricity contract and has signed on for another through CRCOG. However, the current rate due to instability worldwide has the Town paying $17 thousand more for electricity. However, offsetting that are beneficial rates for Gasoline, Diesel, and Heating Oil which will more than offset the electricity increase with $47 thousand in savings year over year.

Other – a variety of other small account increases in Professional Services, Professional Development, and Staff Training round out the year over year budget increases and total $46 thousand.

Capital Funding

The Town provides a generous allocation of funding on an annual basis to address the normal wear and tear on a public building, as well as the scheduled replacement of certain equipment and infrastructure. Recently, CPPAC (Capital Priority Planning Advisory Committee) was reconstituted and will begin the important work to prioritize the Town's capital needs so that a funding plan can be compiled and executed using those same dollars including a $50 thousand increase for FY26.

Lease Funding:

The Town uses lease funding on certain equipment like police cars, trucks, computers, and busses. As one lease is paid off, another is put into place so that the equipment is available and in working order when needed. New for FY26, a separate line embedded in the budget will now house leases so that a clearer picture of the available funding for capital will emerge.

Debt Service Bonds:

The Town periodically issues bonded debt for large capital projects. Currently, the Town has three debt issuances outstanding and pays $1.7 million annually to service that debt. In FY27, one of those issues will be paid off, resulting in a $600 thousand decrease in annual debt service that should be used by CPPAC to size a future bond initiative. The year over year decrease of $15 thousand in this account is driven by the changing interest rates in the original bond sale.

New Operating Expense Initiatives

Police Department – A 1994 study indicates that the Town should consider two to three additional officers for safety, to increase supervision during the evening and nights shifts, and to reduce overtime due to contractually based minimum staffing. That report is dated many years prior to the completion of a variety of housing units built and the related

population that now calls Granby home. The projections above include the addition of one new Police Officer. The deployment of an officer with equipment and fringes is $150,000.

Additionally, calls for service at the Middle and High School average two a day, so an additional officer assigned to the school as a School Resources Officer (SRO) will be included in the BOE's budget request. For a variety of reasons that will be discussed in greater detail at a later date, the Police Chief and I support this initiative. A mandated MOU between the Town of Granby and BOE as prepared and negotiated by the Police Chief will need approval from the Board of Selectmen before any officer is deployed.

Because the school day spans 180 days over 10 months, an SRO isn't generally available for regular patrol or traffic enforcement, but their presence would otherwise relieve a bulk of calls handled by the department now.

The overall increase in the FY26 Budget compared to the FY25 Budget totals $366,259 or 2.04% (a 2.4% Town budget increase, a (0.9%) decrease in Debt Service, and a 2.1% increase in the Capital Budget).

Revenue

It's too early to fully understand how the increase in expenses will translate into a mill rate since Grand List growth, which is the economic engine of the Town, is not fully compiled as of this writing, but should be available for review by early February. My expectation is some growth in the Grand List will be realized as Real Estate value increases from the development of Station 280 is adding units and corresponding tax revenue.

Other Items Requiring Attention

As we move through the budget process, more analysis needs to be prepared so an intelligent conversation with the Board of Selectmen and community can be held on the following items:

1. Additional Fund Support of General Fund Expenses (Sewer, Parks & Rec., Waste, Bond)
2. Custodial Services – benchmarks suggest we are understaffed by as much as 60%.
3. Public Works Laborer – more infrastructure and one less staff than the past/current year
4. Granby Ambulance Association – higher labor and operating costs post-Covid coupled with lower insurance reimbursements have put GAA on a precarious financial path. Without substantial, new, recurring contributions by serviced municipalities and operational service reductions, GAA's solvency will be challenged in about five years.

I will be on hand at the next BOS meeting to discuss this information in more detail, and I look forward to the upcoming budget process as we move into FY26.

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Granby Town Manager

REGARDING: **"Plus One" General Fund FY26 Budget Narrative Approval and the Call for a Three Board Meeting to Review all Plus Ones**

If you recall, at the December 2, 2024 Board of Selectmen Meeting, the Board received as a communication, the Town's Plus One Budget narrative for the FY26 budget year.

As part of the annual budget process, after receipt of the Town's Plus One Budget and approval, the Board of Selectmen calls for a Three Board Meeting to review both the Town and BOE Plus One Budget narratives with the Board of Finance.

The Three Board Meeting includes the Board of Selectmen, the Board of Education, and the Board of Finance and is proposed for Tuesday, January 21, 2025 at 7:00 p.m. in the Town Hall Meeting Room.

The following proposed motion will facilitate both the approval of the Town's Plus One narrative as well as set the Three Board meeting.

Proposed Motion:
I move that the Board of Selectmen approve as presented the Town's Plus One Budget narrative as detailed in the November 30, 2024 memo from Town Manager Mike Walsh, and to further set a Three Board Meeting including the Board of Selectmen, the Board of Education, and the Board of Finance for January 21, 2025 at 7 p.m. in the Town Hall Meeting Room.

TOWN OF GRANBY

MEMORANDUM **DATE: December** 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Town Manager

REGARDING: **Capital Program Priority Advisory Committee (CPPAC) Amended Appointment of the Membership – Town Treasurer**

At the November 4, 2024 Board of Selectmen meeting, various motions were approved to redeploy the Capital Program Priority Advisory Committee (CPPAC), to appoint voting and non-voting members, and to set the meeting dates to allow the committee to begin their work.

By way of this memo, I respectfully ask the Board of Selectmen to approve the following proposed motion which appoints the Town Treasurer as a voting member of CPPAC.

Proposed Motion:
I move that Board of Selectmen approve that the Town Treasurer be appointed to CPPAC as a full voting member with all rights and privileges as all other full voting members.

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Town Manager

REGARDING: **Cemetery Rights/Transfer Relinquishment Request**

Attached please find a memo from Community Development Director Abby Kenyon explaining the background related to a recent request we've received from the Town of Suffield.

Basically, an ancient cemetery (.65 acres) dating back to 1788 was deeded to Suffield and Granby. In order for the Town of Suffield to allow a local group called the Mountain Burying Ground Association to better maintain the cemetery, transfer of Suffield's and Granby's burial rights should be made.

I am in support of the request and Abby's memo outlines the issue in more detail. We have also communicated with Town Attorney Rich Roberts on the request and he sees no issues. With the 8-24 hearing results back from P and Z, the following proposed motion is presented to the BOS for approval.

Proposed Motion

I move that the Board of Selectmen relinquish its rights/transfer its interests in the cemetery on Phelps Road in Suffield, located between 3453 and 3493 Phelps Road, which was deeded to Suffield by Elijah Phelps in 1788 for the purposes of providing burial plots to inhabitants of Suffield & North Granby. And to further authorize the Town Manager to execute any documents necessary to fully effectuate this transaction.

If you have any questions on the aforementioned, I will be on hand at your next meeting to answer any questions. Thank you.

TOWN OF GRANBY

MEMORANDUM **DATE:** January 6, 2025

TO: The Granby Board of Selectmen

FROM: Abby Kenyon, Director of Community Development

REGARDING: CGS 8-24 Referral Report from the Planning and Zoning Commission, Phelps Road Cemetery Property, Suffield

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Background

The Town of Suffield owns a cemetery on Phelps Road (located between 3453 and 3493 Phelps Road), which was deeded to Suffield in 1788. The deed states, "To Inhabitants of Suffield & Granby from Elijah Phelps" and later in the deed, it states that the "burying place" is for the inhabitants of the north part of Granby in addition to the inhabitants of the west part of Suffield. The Mountain Burying Ground Association owns a parcel adjacent to this cemetery and helps maintain the cemetery. The Association contacted the Town of Suffield and asked if Suffield would be willing to deed the property to them. The property that would be deeded to the Association is about .65 acres (see map on the following page). In reviewing this request, the Suffield Town Attorney advised that action would be needed from the Town of Granby to relinquish our interest in the property because of the language in the deed.

The Granby Town Attorney has been consulted and advised that this request should be referred to the Planning and Zoning Commission under Connecticut General Statutes Section 8-24, which requires a report from the Commission prior to the abandonment of any municipally owned property. The Board referred this item to the Commission in November.

The Commission considered this referral at the meeting on December 10th. The Commission did not have any objections to the Board of Selectmen relinquishing rights in the Phelps Road Cemetery property.

Next Steps

The Board of Selectmen is asked to consider the request by the Town of Suffield to relinquish rights in the Phelps Road Cemetery property so the property may be deeded to the Mountain Burying Ground Association.


Phelps Road Cemetery
5-F
4
5-C

TOWN OF GRANBY

MEMORANDUM **DATE:** January 6, 2025

TO: The Granby Board of Selectmen

FROM: Kirk Severance, Director of Public Works

REGARDING: Neglected Cemetery Account Grant Program

Background

In 2023, the Town received a Notice of Grant Award in the amount of $5,000 for the Neglected Cemetery Account Grant. At its meeting in April 2023, the Board authorized the First Selectman to enter into and execute any and all agreements, contracts and documents necessary for the grant award.

Work under the grant has been completed and Town Manager Mike Walsh recently signed off on the grant reimbursement paperwork, which was then submitted to the State.

Following submission, staff was notified by the State that a new resolution is required showing that the new authorized signer for this grant award is Mike Walsh, the Town Manager.

The following motion is offered for consideration:

PROPOSED MOTION

The Board of Selectmen hereby authorize the Town Manager, Michael P. Walsh, to enter into and execute any and all agreements, contracts and documents necessary for the 2023 Neglected Cemetery Account Grant Program.

TOWN OF GRANBY

MEMORANDUM **DATE:** January 6, 2025

TO: The Granby Board of Selectmen

FROM: Kirk Severance, Director of Public Works

REGARDING: Neglected Cemetery Account Grant Program

Background

In 2023, the Town received a Notice of Grant Award in the amount of $5,000 for the Neglected Cemetery Account Grant. At its meeting in April 2023, the Board authorized the First Selectman to enter into and execute any and all agreements, contracts and documents necessary for the grant award.

Work under the grant has been completed and Town Manager Mike Walsh recently signed off on the grant reimbursement paperwork, which was then submitted to the State.

Following submission, staff was notified by the State that a new resolution is required showing that the new authorized signer for this grant award is Mike Walsh, the Town Manager.

The following motion is offered for consideration:

PROPOSED MOTION

The Board of Selectmen hereby authorize the Town Manager, Michael P. Walsh, to enter into and execute any and all agreements, contracts and documents necessary for the 2023 Neglected Cemetery Account Grant Program.

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Town Manager

REGARDING: **Parks & Recreation Study – Parks & Recreation Fund Appropriation**

As you may recall, at the October 21st Board of Selectmen meeting, after a request from the Park and Recreation Board, the BOS approved adding a $25,000 ARPA allocation to pay for an analysis of the Salmon Brook and Ahrens Parks with respect to future facility improvements.

The narrative discussed that evening is reproduced below:

1. Park and Recreation Board Parks Study Request

- Recently, noise complaints from abutting property owners related to the playing of pickleball at the tennis courts at Salmon Brook Park were received by the Town and Park and Recreation Board. On September 3rd, approximately 40 people joined in a discussion at the Park and Recreation Board Meeting about solutions to the issue with an overwhelming majority supporting pickleball.

- The Park and Recreation Board, working in partnership with the Town Manager's Office, voted to "engage an outside firm" for the purpose of creating a master plan to prioritize any future investment in the parks. A Request for Proposal has been created and an allocation of $25,000 will allow us to identify a vendor to create a planning vision for the parks for 2030, 2040, and 2050.

With the RFP issued, the Town received two qualified respondents and has selected GZA GeoEnvironmental, Inc. with a local office in Springfield to proceed with the analysis at a cost of $39,500.

Anthony McGovern, Chair of the Parks and Recreation Board, Sandy Yost, Director of Community Services, Terri Ziemnicki, Supervisor of Parks and Recreation, and myself participated in the selection panel interviews. A copy of their proposal is attached for your review.

Via this background and request, we respectfully ask for an appropriation of $14,500 from the Parks and Recreation Special Revenue Fund to marry to the ARPA allocation so the firm's work can begin. The Parks and Recreation Fund has sufficient funds to cover this appropriation, with a balance of $560,297 as of June 30, 2024.

Pursuant to section 10-6(e) of the Granby Town Charter, I am forwarding the request to you for comment. The Board of Finance will then hear this request for comment as well.

The following motion is needed from the Board of Selectmen:
Motion to approve a $14,500 appropriation from the Parks and Recreation Special Revenue Fund to provide funding for the GZA GeoEnviromental, Inc. Recreation Facilities Analysis and forward this request to the Board of Finance to approve.

GZA

Known for excellence
Built on trust

REVISED Response to:

Granby Parks and Recreation Department Request for Proposal:

Recreation Facilities Analysis Consultant

Submitted to:

Town Manager's Office
15 North Granby Road
Granby, CT 06035

December 19, 2024
(December 2, 2024, original)

GZA GeoEnvironmental, Inc.

1350 Main Street, Suite 1400 | Springfield, MA 01103
413.726.2100
Offices Nationwide
www.gza.com

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GEOTECHNICAL
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1350 Main Street
Suite 1400
Springfield, MA 01103
T: 413.726.2100
F: 413.732.1249
www.gza.com

December 24, 2024 (December 2, 2024 original)
15.P000184.25

Mike Walsh, Town Manager
Town of Granby
15 North Granby Road
Granby, CT 06035

RE: **Revised** Response to RFP: Recreation Facilities Analysis Consultant
Granby Parks and Recreation Department

Dear Mr. Walsh:

GZA GeoEnvironmental, Inc. ("GZA") is pleased to present to the Town of Granby ("Town") this revised proposal for professional services related to the assessment of recreation facilities within the Town's park system, and to develop short-term recommendations and a long-term vision for park improvements based on this analysis and engagement with the community. Our proposal was prepared in response to the Request for Proposal ("RFP") issued on October 28, 2024 and site walk with you on November 20, 2024, and has been revised in response to the Town's December 18, 2024 request to adjust the project fee. This revised proposal supercedes the previous version dated December 2, 2024.

Granby is fortunate to have a well-used park system with an exceptional range of recreational and athletic facilities. The scope, variety and quality of programming offered by these facilities allows Granby Parks and Recreation to fulfill its stated mission "to promote individual, community, economic and environmental benefits of an active recreation program". Crucial to the success of this objective, GZA understands the importance of conducting a holistic park system analysis, supported by a robust public engagement process, to identify reduncancies, conflicts, and opportunities for improvements throughout the Town's park system. Through a Master Plan comprised of illustrative site plans and a summary memorandum, this project's findings will assist the Town to continue offering its community an outstanding range of recreational facilities into the future. From our interview with you on December 17, 2024, we understand that the project will focus on Salmon Brook Park and Ahrens Park.

GZA is a multi-disciplinary consulting firm that has distinguished itself by focusing on responsiveness, collaboration, and communication with our clients. Our technical practices include landscape architecture, planning, civil engineering, water resources, environmental engineering, ecological and environmental sciences and permitting, geotechnical services, hazardous waste assessment and remediation, and construction-related services. GZA's Springfield office can provide the Town with a wide range of project support and the ability to conceptualize solutions that address the many types of issues that could arise during the project.

In accordance with the Submission Requirements outlined in the RFP, we offer the following in our enclosed proposal:

- Company Profile
- Techical Proposal
- Project Team
- Financial Proposal
- Previous Experience
- Compliance Documents
- Client References

GZA's references will attest to the quality, clarity, completeness, and accuracy of GZA's performance on public, state, and federal-funded projects, and the value of the services we provide. Based on the scope of projects for which GZA is currently under contract, we believe that GZA's staff availability allows for the ability to undertake the contract and meet the project objectives and schedules.

GZA's local presence and geographical proximity to the Town of Granby are additional benefits we bring to the assignment. Our proposed staff for this project are based in our local Springfield office, located a short distance from Granby; but as with every GZA project, you will have access to the collective knowledge and resources of the entire 700+ person company.

SCOPE OF SERVICES

GZA's proposed scope of services and proposed budget and basis of billing are described in the enclosed Proposal for Professional Services.

CONDITIONS OF ENGAGEMENT AND ACCEPTANCE

Conditions of engagement are described in the attached Terms and Conditions for Professional Services (06/24 Edition/05-9010), which together with this Proposal for Professional Services shall constitute the entire agreement between the parties.

Acceptance of this Proposal may be indicated by signing in the appropriate space and returning one copy to us. The executed agreement must be received prior to initiation of the services described above. This proposal is valid for 30 days from the date of issue.

CLOSING

The GZA Project Team appreciates the opportunity to submit this Proposal, which we believe demonstrates that GZA possesses the technical and professional skills required to meet the Town's needs on this exciting project. We look forward to continuing discussing this proposal with the Town; should you have any questions, please contact the undersigned.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Daniel Shaw, P.L.A.
Project Manager
daniel.shaw@gza.com
(413) 726-2129

Anja Ryan Duffy, P.L.A.
Consultant / Reviewer
anja.duffy@gza.com
(413) 276-2116

Nathaniel Russell, P.E.
Principal-in-Charge
Nathaniel.russell@gza.com
(413) 726-2127

Attachments:

- Technical Proposal with Attachments
- Terms and Conditions for Professional Services (06/24 Edition/05-9010)

This Proposal for Services, including the refenced Scope of Services and the attached Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of the Town of Granby, Connecticut.

TOWN OF GRANBY

By (Signature): _____ Title: Town Manager

Typed Name: Michael P. Walsh Date: 12/26/24

Billing Address (if different from above):

_____

_____

_____

TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

These Terms and Conditions, together with GZA's Proposal, make up the Agreement between GZA and You, Client, named above. If the attached GZA Proposal is styled as a Master Services Agreement, then these Terms and Conditions will apply to any and all services ordered by you and performed by GZA.

BEFORE SIGNING THE PROPOSAL, BE SURE YOU READ AND UNDERSTAND THE PARAGRAPHS ENTITLED "INDEMNIFICATION" AND "LIMITATION OF REMEDIES" WHICH DEAL WITH THE ALLOCATION OF RISK BETWEEN YOU AND GZA.

1) **Services.** GZA will perform the services set forth in its Proposal and any amendments or change orders authorized by you (the "Services"). Any request or direction from you that would require extra work or additional time for performance or would result in an increase in GZA's costs will be the subject of a negotiated amendment or change order. All Services performed by GZA will be governed by this Agreement, even if performed prior to your execution of the Proposal.

2) **Term.** If the attached GZA proposal is styled as a Master Services Agreement, then the term of this Agreement will begin on the date of execution of the proposal (the "Effective Date"), and either party may terminate this Agreement for convenience upon thirty (30) days' written notice, provided that GZA will be paid for all services performed through the date of termination.

3) **Standard of Care; Warranties.**
   a) GZA will perform professional Services with the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services at the same time under similar conditions in the same or similar locality. GZA's sole responsibility with regard to Services which do not meet the foregoing standard of care is to reperform such Services, at GZA's expense, but only if you provide GZA written notice of such non-conformity within ninety (90) days after completion of the Services.
   b) **NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY GZA'S PROPOSAL OR BY ANY OF GZA'S REPORTS OR OTHER CONDUCT.**
   c) GZA assigns to you any manufacturers' warranties of equipment or materials purchased from others, to the extent they are assignable, and your sole recourse will be against the manufacturer. Full risk of loss of materials and equipment will pass to you upon delivery to the Site, and you will be responsible for insuring and otherwise protecting them against theft and damage.

4) **Payment.**
   a) Except as otherwise stated in the Proposal, you will compensate GZA for the Services at the rates set forth in the applicable Proposal, amendment or change order; reimburse its expenses, which will include a communication fee calculated as a percentage of labor invoiced; and pay any sales or similar taxes thereon.
   b) Any retainer specified in GZA's Proposal shall be due prior to the start of Services and will be applied to the final invoice for Services.
   c) GZA will submit invoices periodically, and payment will be due within 20 days from invoice date. You will notify GZA in writing of any invoice disputes within 10 days of the invoice date, and if no written notice of dispute is received, the invoice will be deemed approved in full. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. GZA may terminate the Services upon 10 days' written notice anytime your payment is overdue on this or any other project and you will pay for all Services through termination, plus termination costs. You will reimburse GZA's costs of collecting overdue invoices, including reasonable attorneys' fees (including costs for time expended by in-house counsel, which will be charged to you at the prevailing market rate for attorneys of similar experience practicing in the jurisdiction). Any amounts paid by you to GZA will be applied first to interest and costs incurred by GZA, and then to the principal balance.

5) **Your Responsibilities**.
   a) If the Services involve entry onto a third-party property or otherwise require access to property you do not own or control, you will secure the access agreements, approvals, permits, licenses and consents necessary for performance of the Services, without GZA becoming a party to or otherwise being required to sign any such agreements, approvals, permits, licenses and consents. If you are the owner or operator of the Site, you will provide GZA with all documents, plans, information concerning underground structures (including but not limited to utilities, conduits, pipes, and tanks), information related to hazardous materials or other environmental or geotechnical conditions at the Site (including, if applicable, asbestos containing materials ["ACM"]) and other information that may be pertinent to the Services or, if you are not the owner or operator of the Site, you agree to make reasonable efforts to obtain these same documents and provide them to GZA. GZA is entitled to rely on the accuracy and completeness of documents and information you provide. You acknowledge that the quality of the services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA.
   b) If you use the services of a contractor or construction manager at the Site, you agree to use best and reasonable efforts to include in your agreement(s) with the contractor or construction manager provisions obligating the latter:
      i) to defend, indemnify and hold harmless, to the fullest extent permitted by law, GZA, its affiliates and subsidiaries, and each of their officers, directors, members, partners, agents, insurers, employees, and subconsultants (the "GZA Indemnitees") and you, for or on account of any claims, liabilities, costs and expenses, including attorneys' fees, arising out of or relating to the design or implementation of construction means, methods, procedures, techniques, and sequences of construction, including safety precautions or programs, of the contractor, the construction manager, or any of their subcontractors or any engineer engaged by them;
      ii) to name you and GZA as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor or construction manager, or any of their subcontractors, and to ensure that such policies are primary and noncontributory with regard to the above indemnity obligations; and
      iii) to require that all of their subcontractors agree and be bound to the obligations set forth in (i) and (ii) above.
   c) In the event that you are unable to secure such provisions in the agreement(s) with the contractor or construction manager, you shall promptly (but in any event prior to the commencement of the Services) notify GZA and GZA shall have the opportunity to negotiate with you reasonable substitute risk allocation and insurance indemnities and protections. Failure to provide such notice will be a material breach of this Agreement.
   d) To the extent you are entitled to indemnification (either contractual or at common law) or are otherwise indemnified by the contractor or construction manager and/or their subcontractors, you agree to waive any claim (including without limitation indemnification or insurance claims) against GZA.

6) **Right of Entry; Site Restoration.** You grant GZA and its subcontractor(s) permission to enter the Site to perform the Services. If you do not own the Site, you represent and warrant that the owner has granted permission for GZA to enter the Site and perform the Services; you will provide reasonable verification on request; and you will indemnify the GZA Indemnitees for any claims by the Site owner related to alleged trespass by GZA or its subcontractors. Although GZA

will exercise reasonable care to limit damage to landscaping, paving, systems and structures at the Site, you acknowledge that some damage may occur even with the exercise of due care and you agree to compensate GZA for any restoration it is asked to perform, unless otherwise indicated in the Proposal.

7) **Underground Facilities.** GZA's only responsibility under this Agreement will be to provide proper notification to the applicable state utility "Call-Before-You-Dig" program. You further agree to assume responsibility for and to defend, indemnify and hold harmless GZA with respect to personal injury and property damages due to GZA's interference with subterranean structures including but not limited to utilities, conduits, pipes, and tanks:
   a) that are not correctly shown on any plans and information you or governmental authorities provide to GZA; or
   b) that are not correctly marked by the appropriate utility.

8) **Reliance.** The services, information, and other data furnished by you shall be at your expense, and GZA may rely upon all information and data that you furnish, including the accuracy and completeness thereof. You acknowledge that the quality of the Services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA. **GZA's REPORTS ARE PREPARED FOR AND MADE AVAILABLE FOR YOUR SOLE USE. YOU ACKNOWLEDGE AND AGREE THAT USE OF OR RELIANCE UPON THE REPORT OR THE FINDINGS IN THE REPORT BY ANY OTHER PARTY, OR FOR ANY OTHER PROJECT OR PURPOSE, SHALL BE AT YOUR OR SUCH OTHER PARTY'S SOLE RISK AND WITHOUT ANY LIABILITY TO GZA. YOU SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE GZA INDEMNITEES FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM ANY USE, REUSE, OR MODIFICATION OF THE DOCUMENTS WITHOUT WRITTEN VERIFICATION, COMPLETION, OR ADAPTATION BY GZA AND SUCH LIMITED LICENSE TO YOU SHALL NOT CREATE ANY RIGHTS IN THIRD PARTIES.** However, in GZA's sole discretion, which may be withheld for any reason whatsoever, if you request that GZA extend reliance to a third party, then such reliance will be conditioned upon the third party's acceptance of such reliance on GZA's standard reliance terms and you will be obligated to pay GZA a reliance fee calculated as 10% of GZA's original fee for the report upon which reliance is being extended.

9) **Lab Tests and Samples**. GZA is entitled to rely on the results of laboratory tests using generally accepted methodologies. GZA may dispose of samples in accordance with applicable laws 30 days after submitting test results to you unless you request in writing for them to be returned to you or to be held longer, in which case you will compensate GZA for storage and/or shipping beyond 30 days.

10) **GZA Professionals**. GZA employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, Certified Hazardous Materials Managers, or Certified Industrial Hygienists, collectively referred to in this section as "GZA Professionals"), whose duties may include the rendering of independent professional opinions. You acknowledge that a federal, state or local agency or other third party may audit the Services of GZA or other contractor/consultant(s), which audit may require additional Services, even though GZA and such GZA Professionals have each performed such Services in accordance with the standard of care set forth herein. You agree to compensate GZA for all Services performed in response to such an audit, or to meet additional requirements resulting from such an audit, at the rates set forth in the applicable Proposal, amendment or change order.

11) **Hazardous Materials; GZA "Not a Generator".** Before any hazardous or contaminated materials, including, if applicable, ACMs (the "Wastes") are removed from the Site, you will sign manifests naming you as the generator of the Wastes (or, if you are not the generator, you will arrange for the generator to sign). You will select the treatment or disposal facility to which any Wastes are taken. GZA will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any Wastes at or removed from the Site. GZA will not have responsibility for or control of the Site or of operations or activities at the Site other than its own. GZA will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any Wastes at or removed from the Site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold the GZA Indemnitees harmless for any costs or liability incurred by GZA in defense of or in payment for any legal actions in which it is alleged that GZA is the owner, generator, treater, storer or disposer of any Wastes.

12) **Limits on GZA's Responsibility.** GZA will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. GZA will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall GZA's professional activities nor the presence of GZA or its employees and subcontractors be construed to imply that GZA has authority over or responsibility for the means, methods, techniques, sequences or procedures of construction, for work site health or safety precautions or programs, or for any failure of contractors to comply with contracts, plans, specifications or laws. Any opinions by GZA of probable costs of labor, materials, equipment or services to be furnished by others are strictly estimates and are not a guarantee that actual costs will be consistent with the estimates.

13) **Changed Conditions.**
   a) You recognize the uncertainties related to the Services (including, without limitation, environmental and geotechnical Services), which often require a phased or exploratory approach, with the need for additional Services becoming apparent during the Services. You also recognize that actual conditions encountered may vary significantly from those anticipated, that laws and regulations are subject to change, and that the requirements of regulatory authorities are often unpredictable.
   b) If changed or unanticipated conditions or delays make additional Services necessary or result in additional costs or time for performance, GZA will notify you and the parties will negotiate appropriate changes to the scope of Services, compensation and schedule.
   c) If no agreement can be reached, GZA will be entitled to terminate the Services and to be equitably compensated for the Services already performed. GZA will not be responsible for delays or failures to perform due to weather, labor disputes, intervention by or inability to get approvals from public authorities, acts or omissions on your part, or any other causes beyond GZA's reasonable control, and you will compensate GZA for any resulting increase in its costs.

14) **Documents and Information.** All documents, data, calculations and work papers prepared or furnished by GZA are instruments of service and will remain GZA's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to GZA. Any delayed use, use at another site, use on another project, or use by a third party will be at the user's sole risk, and without any liability to GZA. Any technology, methodology or technical information learned or developed by GZA will remain its property. Provided GZA is not in default under this Agreement, GZA's designs will not be used to complete this project by others, except by written agreement relating to use, liability and compensation.

15) **Electronic Media.** In accepting and utilizing any drawings, reports and data on any form of electronic media generated by GZA, you covenant and agree that all such electronic files are instruments of service of GZA, who shall be deemed the author and shall retain all common law, statutory law and other rights, including copyrights. In the event of a conflict between the signed documents prepared by GZA and electronic files, the signed documents shall govern. You agree not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Any transfer

of these electronic files to others or reuse or modifications to such files by you without the prior written consent of GZA will be at the user's sole risk and without any liability to GZA.

16) **Confidentiality; Subpoenas.** Information about this Agreement and GZA's Services and information you provide to GZA regarding your business and the Site, other than information available to the public and information acquired from third parties, will be maintained in confidence and will not be disclosed to others without your consent, except as GZA reasonably believes is necessary: (a) to perform the Services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws, regulations, court orders and professional obligations. GZA will make reasonable efforts to give you prior notice of any disclosure under (b) or (c) above. Information available to the public and information acquired from third parties will not be considered confidential. You will reimburse GZA for responding to any subpoena or governmental inquiry or audit related to the Services, at the rates set forth in the applicable Proposal, amendment or change order (including, without limitation, for outside counsel expenses incurred by GZA and/or time expended by in-house counsel,which will be charged to you at the prevailing market rate for attorneys of similar experience practicing in the jurisdiction). Notwithstanding the foregoing, GZA shall be entitled to use your name and a general description of the Services in promotional materials.

17) **Insurance.** During performance of the Services, GZA will maintain workers' compensation, commercial general liability, automobile liability, and professional liability/contractor's pollution liability insurance. GZA will furnish you certificates of such insurance on request.

18) **Indemnification.** You agree to hold harmless, indemnify, and defend the GZA Indemnitees against all claims, suits, fines and penalties, including mandated cleanup costs and attorneys' fees and other costs of settlement and defense, which claims, suits, fines, penalties or costs arise out of or are related to this Agreement or the Services, except to the extent they are caused by GZA's negligence or willful misconduct The duty to defend will be triggered upon a claim, suit, fine and/or penalty being alleged or threatened, and will only terminate when and to the extent GZA's proportion of negligence is finally adjudicated by a court of competent jurisdiction. If the foregoing indemnification is determined to be void or unenforceable as a matter of law, then it shall be automatically reformed to apply the original intent of the clause to the maximum extent permissible by law.

19) **Limitation of Remedies.**

a) To the fullest extent permitted by law and notwithstanding anything else in this Agreement to the contrary, the aggregate liability of GZA and its affiliates, parents and subsidiaries and subcontractors and each of their employees, insurers, principals, officers, directors, partners and agents (collectively referred to in this paragraph as "GZA") for all claims arising out of this Agreement or the Services is limited to $50,000 or, if greater, 10% of the compensation received by GZA under this Agreement.

b) You may elect to increase the limit of liability by paying an additional fee, such fee to be negotiated prior to the execution of this Agreement.

c) Any claim against GZA related in any way to the services provided pursuant to this Proposal, or the terms herein, is waived unless suit is commenced in a proper jurisdiction within one year of substantial completion of GZA's services. This waiver may not be construed to extend any applicable statute of limitations.

d) GZA will not be liable for lost profits, loss of use of property, delays, contractual penalties or other special, indirect, incidental, consequential, punitive, exemplary, liquidated, or multiple damages. This includes but is not limited to fines and/or penalties and/or sanctions imposed by any local, state, or federal government, agency, or regulatory body.

e) GZA will not be liable to you or the Site owner for injuries or deaths suffered by GZA's or its subcontractors' employees.

f) You will look solely to GZA for your remedy for any claim arising out of or relating to this Agreement, including any claim arising out of or relating to alleged negligence or errors or omissions of any GZA principal, officer, employee or agent.To the extent damages are covered by property insurance or any other insurance, both you and GZA waive all rights against each other and against the contractors, consultants, agents, and employees of the other, for damages, except such rights as they may have to the proceeds of such insurance as set forth in this Agreement. You or GZA, as appropriate, shall require of the contractors, consultants, agents, and employees of any of them, similar waivers in favor of the other parties enumerated herein.

20) **Disputes.**

a) All disputes between you and GZA shall be subject to non-binding mediation.

b) Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within forty-five (45) days of service of notice.

c) The mediation shall be administered by the American Arbitration Association in accordance with its most recent Construction Mediation Rules, or by such other person or organization as the parties may agree upon.

d) No action or suit may be commenced unless mediation has occurred but did not resolve the dispute, or unless a statute of limitations period or the one year waiver period described in 18(c) above would expire if suit were not filed prior to such forty-five (45) days after service of notice. However, where non-payment of an invoice has occurred and GZA sends you a final demand letter for payment, your failure to respond within ten (10) days of receipt (or, for certified mail, the date of the first attempt to deliver the letter to your address of record if you ultimately do not accept receipt of the letter) of such letter will be deemed to be a waiver of your right to enforce this mediation clause and GZA may immediately file suit to enforce the terms of this Agreement.

e) You agree to pay reasonable attorneys' fees and all other costs and expenses (including, but not limited to reasonable investigative expenses and expert and consultant expenses) which may be incurred by GZA in the enforcement of this Agreement in the event that (a) it is finally adjudicated by a court of competent jurisdiction that you have breached this Agreement; or (b) where you allege that GZA has breached this Agreement or otherwise acted negligently and it is finally adjudicated by a court of competent jurisdiction that GZA did not in fact breach this Agreement or act negligently. If for any reason it is adjudicated that the foregoing provision is in violation of applicable law, is subject to a state statute automatically converting this clause to be reciprocal between the parties, is contrary to public policy or is unconscionable or a contract of adhesion, then the foregoing clause will be null and void and of no effect. Under no circumstances shall the foregoing clause be replaced with a reciprocal clause.

f) You shall make no claim against GZA for professional negligent acts, errors, omissions and/or alleged breach of contract either directly, indirectly, as a counterclaim or crossclaim, or in a third party claim, unless you have first provided GZA with a written certification executed by an independent professional practicing in the same discipline as GZA and licensed in the jurisdiction in which GZA provided you its Services. This certification must (i) identify the name and license of the certifier, (ii) specify each and every act or omission that the certifier contends is a violation of the standard of care expected of professional

performing professional services under similar circumstances; and (iii) state in complete detail the basis for certifier's opinion that each such act or omission constitutes a violation of the standard of care. This certificate must be provided to GZA no less than thirty (30) days prior to the submission of a formal claim.

21) **Miscellaneous.**

a) This Agreement and all claims relating thereto shall be governed by the substantive and procedural laws of the Commonwealth of Massachusetts, as they presently exist or may hereafter be amended, without regard to principles of conflict of laws.

b) The above terms and conditions regarding Limitation of Remedies and Indemnification shall survive the completion of the Services under this Agreement and the termination of the contract for any reason.

c) Any amendment to these Terms and Conditions must be in writing and signed by both parties. No modification of these Terms and Conditions will be binding against GZA unless specifically approved in writing by a principal of GZA.

d) Having received these Terms and Conditions, your oral authorization to commence Services, your acceptance of performance of the Services, your actions, or your use of the Report or Work Product constitutes your acceptance of them.

e) This Agreement supersedes any contract terms, purchase orders or other documents issued by you, even if signed by an authorized representative of GZA.

f) Neither party may assign or transfer this Agreement or any rights or duties hereunder without the written consent of the other party.

g) Your failure or the failure of your successors or assigns to receive payment, reimbursement, insurance proceeds or grant funds from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to GZA under this agreement.

h) These Terms and Conditions shall govern over any inconsistent terms in GZA's Proposal.

i) Any provision of this Agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect on the parties, who agree that the Agreement shall be reformed to replace such voided provision with a valid and enforceable provision that comes as close as possible to expressing the intention of the voided provision.

j) The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective successors and assigns.

k) Any reports generated by GZA will be subject to GZA's standard report limitations for that particular type of report.

l) To the extent applicable to GZA's Services, you acknowledge and agree that GZA cannot anticipate the effects of climate change/extreme weather on any report, design or other document produced by GZA, unless such analysis is specifically within the scope of GZA's Services.

m) You agree that during the performance of GZA's Services and for a period of twelve (12) months completion of those Services, you will not encourage, induce, or otherwise solicit, or actively assist any other person or organization to encourage, induce or otherwise solicit, directly or indirectly, any employee of the GZA or any of its affiliates to terminate their employment with GZA or any of its affiliates, or otherwise interfere with the advantageous business relationship of GZA or any of its affiliates with their employees. You agree that if you violate this non-solicitation provision, you will pay GZA liquidated damages in an amount equal to the total earnings of the solicited employee during the last twelve (12) months of their employment with GZA.

n) This Agreement does not create any third-party beneficiaries and is intended for the benefit of the parties hereto and their respective successors and permitted assigns, and is not for the benefit of, nor may any provision hereof be enforced by, anyone else.

22) **Asbestos Abatement Services (If Applicable).** If the Services include asbestos abatement services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement.

a) You acknowledge that conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of those conditions, despite due professional care. GZA therefore cannot guarantee specific results such as the identification or removal of all asbestos or other contamination.

23) **Microbial Services (If Applicable).** If the Services include Microbial services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement. For purposes of this Agreement, Microbial is defined as any and all fungal and/or bacterial growth including but not limited to mold, mildew, yeast, fungus, fungi, bacteria, spores, odors, particulates, vapors, gas, or other emissions produced by or arising out of or toxins emanating therefrom.

a) You recognize that meeting the standard of care does not establish an assurance that corrective procedures will be permanent. Because Microbial infestations are created by near-omnipresent living microscopic spores which grow very quickly and are influenced by nanoclimatological conditions that are very difficult to detect and sources of water intrusion, elevated moisture or relative humidity over which GZA has neither control or responsibility, GZA cannot and does not claim that its Services will eliminate the risk of a Microbial infestation recurring.

b) You acknowledge that the Services entail risk of personal injury and property damage (including cross-contamination) that cannot be avoided, even with the exercise of due care. You also acknowledge that environmental conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of these conditions, despite due care. GZA therefore cannot guarantee specific results such as the identification of all contamination or other environmental conditions or problems nor their resolution.

c) You acknowledge that Microbial infestations may be hidden from view and concealed in locations that are difficult to discover. Accordingly, you agree that despite GZA's efforts, some Microbial locations may remain undetected. In such situations, you agree that you will have no claim against GZA provided GZA followed the applicable standard of care and all applicable laws and regulations pertaining to the Work.

d) You further agree that when GZA performs Services intended to minimize the risk of Microbial infestations, GZA shall not be liable for damages resulting from Microbial contamination including but not limited to fungal or bacterial infestations and water damage or dry or wet rot. You agree to waive any Microbial infestation claim(s) against GZA and you agree to indemnify, defend and hold the GZA Indemnitees harmless from any claim alleging that GZA's Services caused or aggravated a Microbial infestation or did not prevent a Microbial infestation from recurring.

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SECTION 1 | GZA COMPANY PROFILE

ABOUT GZA

Don Goldberg and Bill Zoino founded GZA in 1964 on the values of integrity, professionalism, and loyalty. Since then, the company has grown from a small consulting partnership to a major multi-disciplinary, employee-owned firm that focuses on environmental, geotechnical, ecological, water, and construction management services. With a staff of more than 700 people in over 30 offices in the New England, Mid-Atlantic, Great Lakes and Southwest regions of the United States, we have completed over 100,000 projects for a wide array of public and private clients for the past 60 years and counting.

Because there is a free flow of information and support amongst our employees and offices, we can provide every client with access to our extensive knowledge and experience base regardless of project location. Quite simply, the collective knowledge of the entire company is available to each client on every project for an experience that is uniquely GZA.

We believe our clients trust our people because of their honesty and commitment to excellence. Clients know - expect - that we will deliver expert solutions that help them succeed regardless of the size or complexity of their challenges. And they know that GZA helps reduce their project risks and strives to deliver the best possible results and value through comprehensive analysis of each project's entire lifecycle. It is why we are **known for excellence, built on trust**.

PLANNING AND LANDSCAPE ARCHITECTURE SERVICES

LANDSCAPE ARCHITECTURE - GZA's landscape architects specialize in creating vibrant outdoor spaces where people can connect with nature and community. We design places for kids to play, for neighbors to gather, and for people to relax and recreate. By integrating these opportunities into the built environment, we strive to enhance the health and well-being of individuals, communities, and ecosystems.

GZA's landscape architects collaborate throughout the design process with ecologists, engineers, scientists, and permitting specialists, allowing us to provide achievable design solutions on complex sites. By working as an interdisciplinary team, we can simultaneously see the big picture and provide the specific details for implementation. Relationships are central to landscape architecture at GZA. We develop trusting, lasting relationships with our clients through good communication and attention to clients' needs. We work carefully to ensure our clients' goals are met, while addressing the needs of the community who will use the space and the ecosystem at each site.

Our work includes public parks, sports facilities, ecological restoration sites, outdoor learning environments, playgrounds, green infrastructure, trails and boardwalks. We collaborate with architects on site plans for schools and multifamily housing developments; with engineers on projects combining infrastructure with ecological restoration and public access; and with communities in developing visions for healthier neighborhoods. We regularly provide master plans, site designs, illustrative and 3D renderings, public engagement, construction documents, and construction phase services.

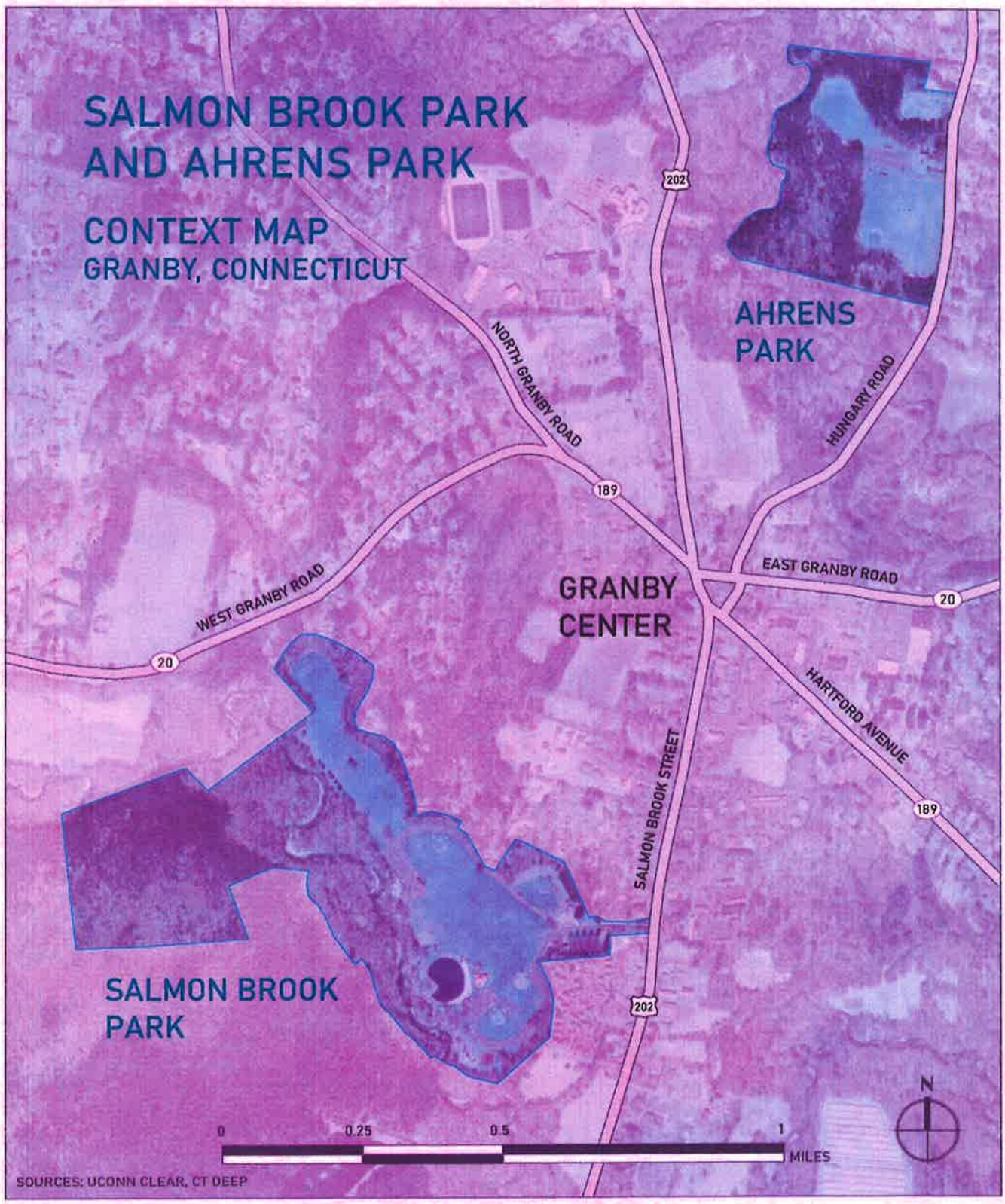
SECTION 2 | TECHNICAL PROPOSAL

PROJECT UNDERSTANDING

GZA understands the Town of Granby ("Town") is seeking a consultant to provide professional services for an assessment of Salmon Brook Park and Ahrens Park ("Project Sites", "Sites"), which were identified by the Town as the priority sites within the Town's park system. The project will include a holistic analysis of the two Sites, supplemented by public engagement workshops and an online survey, and will culminate in preparation of Illustrative Site Plans for Salmon Brook Park and Ahrens Park accompanied by a Summary Memorandum of findings and recommendations (collectively referred to as the "Master Plan"). The Summary Memorandum will contain clearly-communicated recommendations for prioritization of proposed improvements based on the consultant's analysis, interviews with stakeholders, and input from the community.

The 116-acre Salmon Brook park is the center of the Town's park system and offers a wide range of recreational facilities (photo by GZA).

Granby Connecticut is fortunate to have a well-used, generously-sized park near the center of Town: Salmon Brook Park. This 116-acre park offers a wide variety of recreational facilities, including baseball, lacrosse, and soccer fields; basketball, volleyball, tennis, and pickleball courts; hiking trails and walking paths; swimming pond; dog park; two playgrounds; children's garden; picnic areas and pavilions; facilities for events including the Park House and band shell; and other facilities. The park is very well-used and is an invaluable resource for the people of Granby.



Salmon Brook Park's landscape allows visitors access to numerous sports fields and recreational facilities as well as hiking in nature, in a location close to Granby center. Nearby Ahrens Park is relatively un-programmed (image by GZA).

Naturally, a park of this size is routinely in need of maintenance and upgrades, and determining priorities for park improvement projects can be challenging when there are so many amenities, programs, and facilities to coordinate. Each user group has its own needs and priorities which have to be considered. Nearby, the 45-acre Ahrens Park offers additional open space including playing fields, is relatively un-programmed, and could potentially accommodate new recreational facilities. Improvements to park facilities should be implemented within the context of a holistic plan, to ensure a well-coordinated park system that can serve the needs of the whole community and make effective use of resources.

From our conversations with the Town and from reviewing the RFP, GZA understands that goals of the project include:

- Identifying park improvement projects and assigning them levels of priority, including both new facilities and replacement of aging facilities.
- Identifying potential redundancies in park offerings.
- Achieving ADA accessibility throughout the parks.
- Addressing conflicting uses and potential relocation of certain elements (pickleball court noise, for example).
- Identifying park capacity limitations during peak use times, and solutions which may include relocating specific recreational facilities within the park system.
- Identifying a location for tree plantings and a contemplative garden within the park system.
- Identifying any required upgrades to park infrastructure, including utilities, parking, drives, drainage, irrigation, etc.
- Identifying approximate timeframe, potential cost, and likely permitting requirements of proposed projects.

If selected, GZA will collaborate with the Town to develop a Master Plan for Salmon Brook Park and Ahrens Park, that is based on in-depth site analysis, interviews with Town staff and park user groups, and input from the community. We understand the sensitivity surrounding proposed changes to a well-loved park. In our experience, including the community early in the site analysis and project planning stages goes a long way in building shared understanding and moving closer towards consensus. A primary goal of the Master Plan is to identify clearly-defined park improvement projects, supported by public input, that fit within a holistic vision for the Town's parks over the coming decades.

PROJECT APPROACH & METHODOLOGY

Based on a review of available information, site visits, discussion with the Town Manager, and input from the Town during our December 17, 2024 interview, we understand that the project's goal is to develop a vision for Salmon Brook Park and Ahrens Park that consists of phased, implementable park improvement projects. Proposed interventions should be clearly-defined and be based on an analysis of the existing sites and input from a wide range of stakeholders and park users.

GZA will endeavor to provide the Town with a well-devised multi-phase master plan that is supported by in-depth site analysis and a robust community engagement process. We will combine research, field investigation, stakeholder interviews, and public engagement to form a deep understanding of the park system's facilities, its uses, its current needs, and anticipated future needs. Through close collaboration within GZA's interdisciplinary project staff, we will explore a range of potential design solutions to arrive at a set of creative and achievable interventions to address the project goals. Primary tasks will include:

Task 1 – Site Analysis *- Through site visits and background research, conduct a review of existing park features, including active and passive recreational facilities, infrastructure, wetlands, vegetation, topography, and other aspects of the two parks' physical environments. Review park history, including park origins as well as recent improvements and planning initiatives. Conduct interviews with Town departments/staff, and representatives from park user groups (sports leagues, etc.) to develop a baseline understanding of current park usage and operations. Prepare an inventory of existing park facilities, and user groups (sports organizations/users, etc.), and general times of use. Prepare GIS maps communicating key findings of Site Analysis.*

Task 2 – Community Engagement *– GZA proposes to build an online survey to gather input from the community. GZA will work in collaboration with the Town to develop around 15 closed-ended questions intended to obtain specific input on priorities. GZA will host the survey online and collaborate with the Town to distribute it to user groups and throughout the community. An in-person public meeting will be held in Granby to share the Town's goals for the project, review GZA's analysis of the Project Sites, and promote the online survey. At a later public meeting, we will share the results of the online survey and present preliminary master plan concepts. GZA will facilitate the discussion and take notes at the public meetings. We assume the Town will provide meeting space and coordinate local advertisement of the meeting dates.*

Task 3 – Master Plan *- Based on findings from the Tasks 1 and 2, above, GZA will prepare a pair of Illustrative Site Plans for proposed improvements to Salmon Brook Park and Ahrens Park, that reflect the needs of the community as identified during the project. The plans will be accompanied by a concise Summary Memorandum. GZA will share draft plans and memorandum for client review, followed by the final versions incorporating revisions based on comments received. The final Master Plan (Site Plans and Memorandum) will provide clearly-defined park improvements projects with an assigned level of priority, anticipated range of construction cost, and approximate timeframe and potential phasing for each project.*

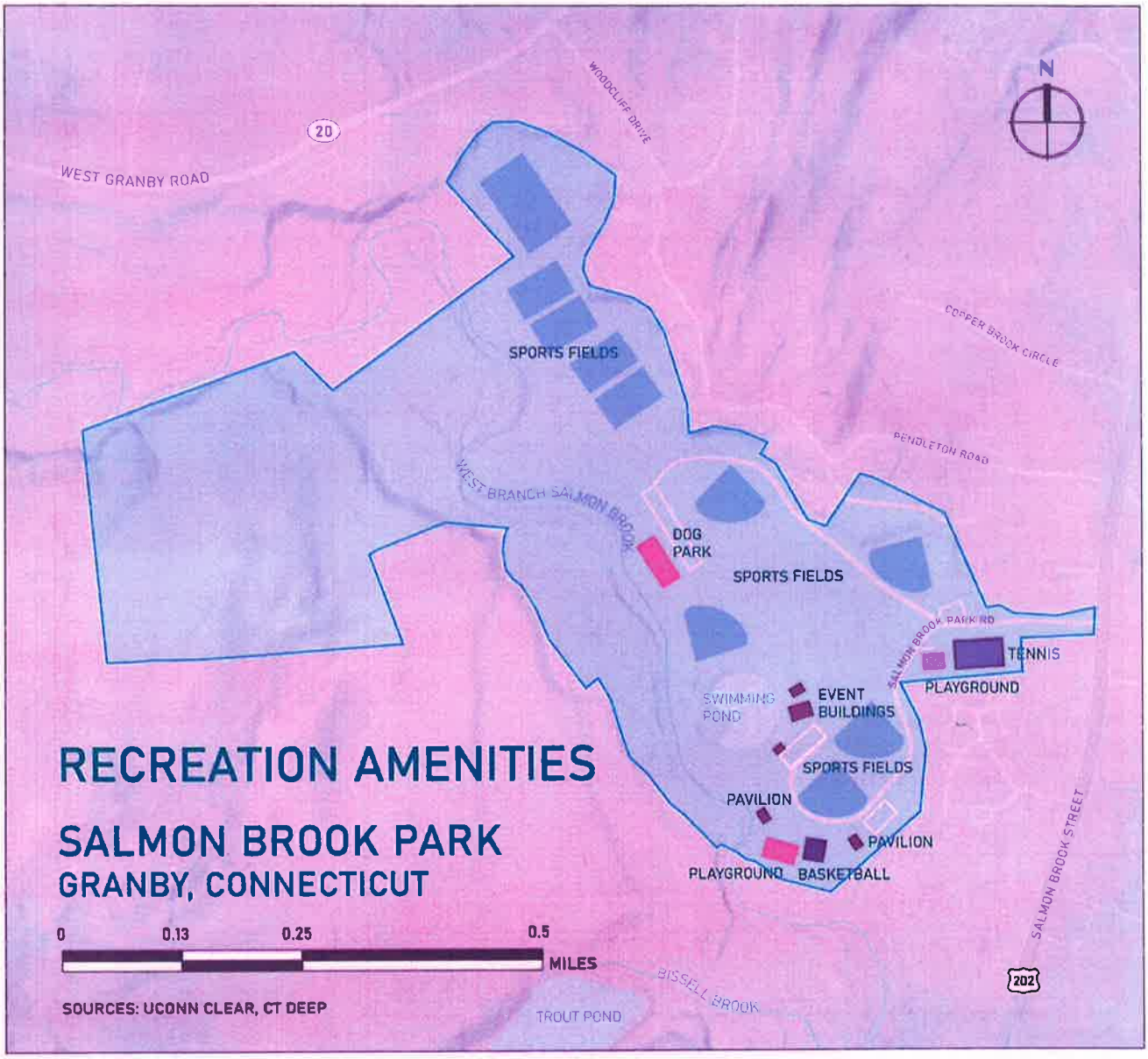
DETAILED SCOPE OF SERVICES

TASK 1 – SITE ANALYSIS

1.1 - Project Kick-Off

GZA will meet with Town personnel at an in-person "Kick-Off" meeting to define project goals, locations of project sites, schedule, and coordination of public meetings and stakeholder interviews.

Meetings: One (1) on-site meeting



GZA will develop GIS maps like the one pictured above, which will be updated and refined during our site analysis process (image by GZA).

1.2 - Site Review

GZA will review and compile existing information on existing conditions, including, as may be available, survey information, record drawings from previous projects, LIDAR contours, and available GIS data, and prepare a preliminary Existing Conditions Plan based on the compiled information. The Existing Conditions Plan will include information from observations made during GZA's site visit. The Existing Conditions Plan will be used as a base for preparing the Master Plan.

We will visit Salmon Brook Park and Ahrens Park. Through site observations, photographs, and mapping, GZA will observe the existing usage and circulation patterns, views, vegetation, slopes, condition of existing site features (including structures, athletic fields and courts, playgrounds, buildings, fencing, lighting), utilities, drainage, noise, climate (sun and wind exposure), and ADA-accessibility.

1.3 – Stakeholder Interviews

To gain an understanding of programming and operations at Salmon Brook Park and Ahrens Park, GZA proposes to conduct interviews with Town departments, Parks staff, local sports leagues, and organizations who regularly use park facilities in Granby. We will develop an inventory of existing recreational facilities at the Project Sites, and gather information on times of use for each facility by each group to identify potential conflicts and peak visitor times. We have budgeted up to eight (8) project manager hours for stakeholder interviews, to be conducted either in-person or virtually.

TASK 2 – COMMUNITY ENGAGEMENT

2.1 – Online Survey

GZA proposes to build an online survey to gather community input to support the development of the Master Plan. GZA will work in collaboration with the Town to prepare up to fifteen closed-ended survey questions intended to obtain specific input on priorities for use in the online survey. Upon finalization of the survey questions GZA will use Microsoft Forms (or a similar tool if provided by the Town) to facilitate the survey. We propose to beta test the survey with the project team, including selected Town staff, to confirm the online survey is operational and ready for completion by a broader audience. The online survey can be posted ahead of the first in-person public meeting, or at the same time to reach a broader audience that may not be able to attend a meeting. Our experience has shown that social media postings with links to the surveys draw the most response. Posting notifications on the Town web site, Town's social media sites and in the local newspaper can also help to broaden the target audience.

Once survey results are received and reviewed, GZA will create visualizations of responses to identify trends. Survey data will be shared with the Town and will help inform recommendations made in the Master Plan.

Meetings: One (1) virtual client meeting to review draft survey questions

Deliverables: Online survey containing up to fifteen closed-ended survey questions

2.2 – Public Meeting #1

An in-person public meeting will be held in Granby to share the Town's goals for the project, the project background and existing conditions, and to gather input on priorities for improvements to Granby's parks. The meeting will be organized and advertised by the Town, and staffed by 2 members of the project team in addition to Town of Granby staff. GZA will prepare and present a PowerPoint presentation for the workshop, facilitate a group discussion, and take meeting notes.

Meetings: One (1) virtual client meeting to plan public meeting, one (1) in-person public meeting

Deliverables: Slideshow presentation for public meeting

2.3 – Public Meeting #2

Upon completion of the draft Master Plan (described below under Task 3), an in-person public meeting will be held in Granby to share and gather input on the GZA's draft recommendations. The meeting will be organized and advertised by the Town, and staffed by 1 member of the project team in addition to Town staff. GZA will prepare and present a PowerPoint presentation for the meeting, facilitate a group discussion, and take meeting notes.

Meetings: One (1) virtual client meeting to plan public meeting, one (1) in-person public meeting

Deliverables: Slideshow presentation for public meeting

TASK 3 – MASTER PLAN

3.1 – Draft Master Plan

Ahrens Park may have potential to accommodate additional facilities and uses (image by GZA).

GZA will prepare draft Illustrative Site Plans of Proposed Conditions for both Salmon Brook Park and Ahrens Park ("Illustrative Plans"), accompanied by a Summary Memorandum; collectively referred to as the "Master Plan". The Summary Memorandum narrative will provide a brief summary of GZA's site analysis findings, public engagement process and feedback received, and proposed interventions. The Illustrative Plans will include 24" x 36" formatted color-rendered plans of proposed conditions for both Salmon Brook Park and Ahrens Park, and will identify locations and potential phasing of proposed improvements. Recommendations will include levels of priority (based on Town and community input) and estimated timeframe for each proposed element. High-level estimates of potential project costs will be provided for general planning purposes. Steps for implementation, including additional design, permitting, survey, etc, will be listed. The Summary Memorandum will be in an 8.5" x 11" memorandum format, viewable as a PDF or as a print copy. GZA's deliverable will be a digital (PDF) version of the Illustrative Plans and Memorandum.

A draft Master Plan will be shared with the Town prior to the second public meeting, for the Town to review and provide feedback. Upon incorporating the Town's feedback into the draft Master Plan, GZA will share a summary of the draft Master Plan at the second Public Meeting, to gather additional input and feedback from stakeholders and the public.

Meetings: One (1) virtual client meeting to review draft Master Plan

Deliverables: Draft Master Plan

3.2 – Final Master Plan

GZA and the Town will meet (virtually) following the second public meeting, to debrief on public input and discuss final edits to the Master Plan. Following this meeting, GZA will finalize the Master Plan and submit the final Master Plan to the Town.

Meetings: One (1) virtual client meeting to debrief on second public meeting, one (1) virtual client meeting to review final Master Plan

Deliverables: Final Master Plan

ANTICIPATED PROJECT SCHEDULE

GZA is prepared to commence the requested services following authorization to proceed by the Town. We will coordinate with Town personnel to perform the services in a timely, responsive manner. We will maintain regular communication with Town contacts so that issues and concerns are addressed on a timely basis.

GZA will perform our services to provide suitable delivery of the anticipated schedule listed below. We note that the actual schedule for the performance of GZA's services may vary from that indicated below based on the timeliness of the review of deliverables by the Town, scheduling of meetings, weather, and other factors outside of our control.

For the Granby Recreation Facilities Analysis Consultant project, GZA offers the following tentative schedule:

Task	Date Complete
Kick-Off	January, 2025
Site Analysis	Jan-Feb, 2025
Stakeholder Interviews	Jan-Feb, 2025
Online Survey	Feb-March, 2025
Public Meeting #1	March 2025
Draft Master Plan	April-May 2025
Public Meeting #2	May 2025
Final Master Plan	June 2025

SECTION 3 | PROJECT TEAM

DESIGN TEAM

The team members presented in this proposal were specifically selected to provide the Town with exceptional project coordination, technical services, schedule and cost controls, and quality control. We assembled a team of highly qualified professionals who are experienced, responsive, and flexible, regardless of the complex nature of the project or facility. Detailed resumes are provided at the end of this proposal.

DANIEL SHAW, PLA | PROJECT MANAGER / LANDSCAPE ARCHITECT

The overall Project Manager/ Lead Landscape Architect will be Daniel Shaw, PLA. Mr. Shaw will serve as the primary contact for the Town regarding the technical work and financial management of the project. He will work with the Town to schedule project-related meetings and manage preparation of the deliverables. Mr. Shaw is a landscape architect based in our Springfield, MA office, and has worked as part of multi-disciplinary teams on municipal parks design and planning projects for over ten years. In his work experience, he has collaborated with municipalities on numerous projects from design through construction.

HANNAH WELSH | LANDSCAPE DESIGNER

Hannah Welsh is a landscape designer based in Springfield, Massachusetts. She specializes in producing construction documents, planting and grading plans, graphic presentations, site analysis, illustrative plans, and 3d renderings. Ms. Welsh has collaborated in designing numerous public parks and playgrounds. Her broad design experience provides her with a vast understanding of the site development process and the ability to perform interdisciplinary design tasks. With knowledge of green infrastructure, ecological restoration, and community engagement, Hannah is committed to providing resilient and creative design solutions. She will assist in the evaluation and design of the project sites, and in the production of the project maps and master plan document.

JEFFREY TAYLOR | LANDSCAPE DESIGNER

Jeffrey Taylor is a landscape designer based in Springfield, Massachusetts. He specializes in site inventory and analysis, master plan documents, grading and planting plans, construction documents, hand-drawn and computer-generated graphics, and 3D renderings. He has designed private residential landscapes, worked on university campus design, planting and restoration projects, and has collaborated in producing innovative design solutions for civic and public spaces such as streetscapes, parks and children's play features and spaces. Jeffrey has cultivated strong interpersonal and communication skills, having community outreach and engagement experience working with a wide diversity of people from different cultural groups and backgrounds. Coupled with his understanding and commitment to providing nature-based solutions, green infrastructure and environmental justice, he is dedicated to providing these priorities as a part of resilient, creative and impactful design solutions.

NATHANIEL RUSSELL, P.E. | PRINCIPAL-IN-CHARGE

Mr. Russell Leads the Civil and Geotechnical Engineering practice in GZA's Springfield, Massachusetts office. Mr. Russell has more than 20 years of experience providing multidisciplinary services on a wide variety of projects, including providing and managing civil and geotechnical services on parks projects in numerous surrounding communities. As principal-in-charge, Mr. Russell will be responsible for the successful execution of this project under the current standards of professional practice. His duties will be to supervise the Project Manager and staff such that the project scope is completed on time and within budget while maintaining quality assurance and client satisfaction. Mr. Russell will be available to coordinate with GZA's Project Manager and supporting staff, as well as to meet and interface with the Town, as may be requested to facilitate the performance of GZA's services.

ANJA RYAN DUFFY, PLA | QA/QC CONSULTANT REVIEWER (C/R)

Quality Control / Quality Assurance for the project will be the responsibility of Anja Duffy. Mrs. Duffy has over 17 years of experience in developing multi-phase park improvement projects for municipalities starting with the master planning phase and continuing to construction and project close-out. Mrs. Duffy will work closely with the team to develop landscape designs that are resilient, aesthetically pleasing, environmentally sensible, safe, and accessible.

To deliver consistently high-quality products and services to our clients, GZA infuses quality into all aspects of our operations. This is evidenced by our 85% repeat business rate and through our corporate commitment to continuous improvement and customer satisfaction. The C/R is competent in the appropriate

disciplines and is independent of the day-to-day operation of the project. The C/R concentrates on technical approach, correctness, and loss prevention and plays a major role in controlling the quality of services by reviewing major concepts, approaches, conclusions, and recommendations before they are transmitted to the client.

MARK STADNICKI, PE | CIVIL ENGINEER

Mr. Stadnicki is a civil engineer based in our Springfield, MA office. He has experience in various aspects of civil engineering site development including layout, grading, utility, drainage design as well as construction support. In addition, he has experience in the permitting process that accompanies site civil development projects, having prepared permit applications as required by state and local agencies. Mr. Stadnicki also has experience presenting projects before Local permitting agencies and the local public. He will assist in civil engineering design for the project, as well as preparation of construction drawings and specifications.

CORA OTTAVIANI | ECOLOGICAL SCIENTIST

Cora Ottaviani is an ecological scientist based in our Springfield, MA office. She has experience in ecological inventory and assessment, open space planning, permitting, community engagement, GPS data collection, and GIS mapping and analysis. She will assist with creating an online survey, GIS mapping, and ecological aspects of the project.

Resumes are included at the end of the proposal after Section 6.

SECTION 4 | FINANCIAL PROPOSAL

BUDGET AND BASIS OF BILLING

GZA proposes to perform the above-described scope of services for Tasks 1-3 for the lump sum fee of **$39,500**.

The lump sum fee is based on the anticipated scope of services outlined above and represent our present judgment of the level of effort required to perform the Scope of Services. You will be notified of any unanticipated conditions requiring an increase in the fee as soon as such become evident. GZA will invoice monthly based on percent complete, with payment expected within twenty (20) days.

The above-described lump sum is approximately broken down by Task as follows (note that approximate breakdown is presented for general information only, the actual cost for each individual task may be higher or lower than the estimated value presented herein):

Task 1 - Site Analysis: $12,500

Task 2 - Community Engagement: $12,800

Task 3 - Master Plan: $14,200

ADDITIONAL SERVICES

A proposal for additional services beyond this scope, such as pond dredging analysis and design, water resources engineering, ecological services, civil/landscape design, permitting and bid/construction phase services, can be provided by GZA if requested by the Town. Our staff includes civil engineers, landscape architects, ecologists, wetland scientists, and environmental consultants who may be able to address other aspects of the Site beyond those covered in this scope, if the need arises.

SECTION 5 | PREVIOUS EXPERIENCE

EXPERIENCE

GZA has provided park improvement services to municipalities in the region for over 25 years. We have extensive experience with urban and rural parks, including master planning, public outreach, cost estimating, preparation of construction documents, and construction phase services. GZA has assisted municipalities in preparing and furthering master plan-level designs into construction documents, administering public bids, and serving as engineer-of-record for numerous publicly-funded projects.

PROJECT DESCRIPTIONS

The following project descriptions are of projects similar in scope to the Granby Recreation Facilities Analysis project.

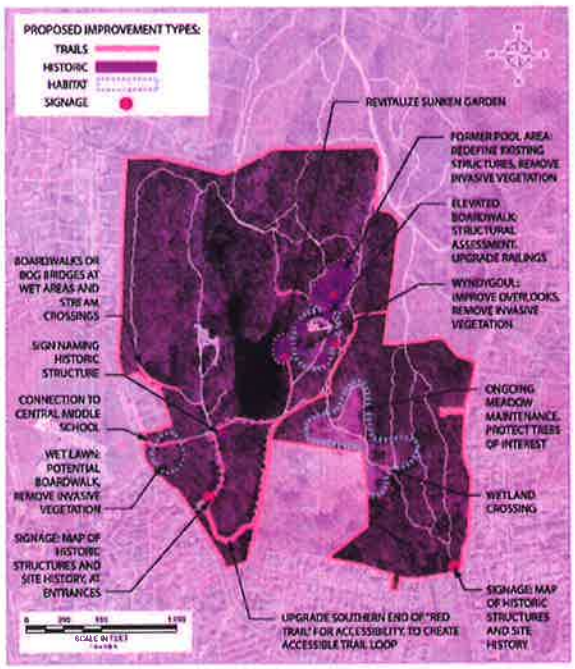
Pomerance and Tuchman Park Master Plan

Greenwich, CT

GZA prepared a master plan for a 100-acre municipal park in Greenwich, CT, focused on ecological management, historic preservation, and passive recreation. The site was the former estate of Ernest Thompson Seton, who helped establish the Boy Scouts of America. Remnants of the former Seton Estate and other historic structures now punctuate the wooded landscape as stone ruins, some of which are maintained while others remain neglected. The site is now owned by the Town and is well-used by local residents who come here to hike and spend time in nature. An increase in visitorship during the Covid-19 pandemic strained the site's capacity and highlighted the need for a master plan to guide future maintenance and site improvements.

GZA conducted an ecological field assessment, GIS mapping and analysis of the site, a review of the site's history and planning background, and inventory of park amenities. GZA's subconsultant, HPI, compiled a narrative timeline of the site's history. GZA led a community engagement process, including in-person public meetings and an online survey (hosted by GZA) which drew over 700 responses. The project team used this research and public input to draft recommendations for the master plan.

The master plan provided a set of prioritized recommendations addressing erosion, invasive species management, climate change resilience, historic preservation, and improved signage and wayfinding. Recommendations were organized by levels of priority and approximate estimated cost. The master plan also identified potential sources of funding and outlined installation and maintenance considerations of proposed improvements.



Project Highlights:

- Park Master Planning
- Community Engagement
- Ecological Management
- Historic Preservation
- Passive Recreation
- GIS Mapping and Analysis
- Cost Estimation

Client Contact:

Dr. Gregory Kramer, Superintendent of Parks and Tree Warden, Town of Greenwich, 101 Field Point Road, Greenwich, CT 06830
(203) 622 7824
gregory.kramer@greenwichct.org

Mittineague Park East Entrance

West Springfield, MA

GZA is currently providing landscape architecture services for Mittineague Park East Entrance for the Town of West Springfield, MA. Within the 325-acre park, the East Entrance is a well-used 10-acre area containing baseball, softball, basketball, pickleball, tennis, playgrounds, picnic pavilion, parking and driveways, and trailheads to hiking, as well as utilities and park infrastructure. GZA provided schematic design options for improving site layout and circulation, optimizing site layout to resolve conflicts between facilities, and identifying opportunities to introduce expanded offerings like a splash pad, restroom building, and updated playgrounds.

This fall, GZA shared the preferred schematic design at a well-attended public meeting, where we facilitated a discussion to gain community input on the design. We are currently advancing the site design to construction documents, including full design of a first phase of improvements to be implemented next year. Further phases of the full design (accompanied by cost estimates), will be used by the Town in securing funding for implementation.

Project Highlights:

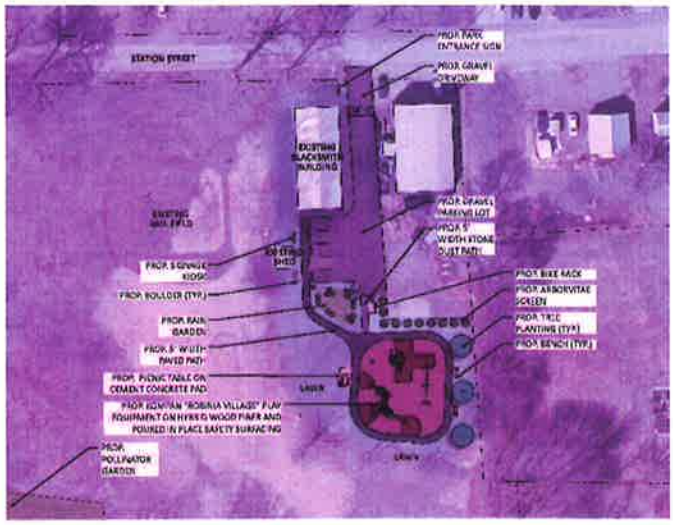
- Park Master Planning
- Community Engagement
- Landscape Architecture
- Civil Engineering
- Wetlands Delineation and Permitting
- Cost Estimating

Client Contact:

Ben Paquette, Director of Central Maintenance & Wired Utilities
Town of West Springfield
26 Central Street, Suite 7
West Springfield, MA
(413) 495 1838
bpaquette@townofwestspringfield.org

Montague Center Park

Montague, MA



GZA provided conceptual designs, cost estimation, and full design including preparation of construction documents for improvements to a municipal park in the center of Montague, MA. GZA's planning and cost estimating services allowed the Town to successfully apply for a $450,000 PARC grant to fund full design and construction. During the design phase, GZA facilitated two public meetings to share design concepts and options for playground equipment. The final site design reflected the community's desire for playground equipment and site improvements that were in keeping with the site's rural character. The project features low-impact stormwater design strategies, poured-in-place safety surfacing, bike racks, gravel parking lot with paved ADA spaces, signage kiosk, and owner-furnished Kompan play equipment (including ages 2-5 yrs. old playground structure, ages 5-12 yrs. old playground structure, swings). GZA is currently providing construction phase service on the project, which is expected to reach completion on time and within budget.

Project Highlights:

- Cost Estimating
- Community Engagement
- Landscape Architectural Design
- Nature-based stormwater Management
- Playground Design

Client Contact:

Jon Dobosz, Director of Parks and Recreation
Town of Montague
56 First Street
Montague, MA 01376
(413) 863-3216
recdir@montague-ma.gov

Development of Camp STAR Angelina (Phases 1, 2, & 3)

Springfield, MA



GZA provided master planning services for the City of Springfield for the development of Camp STAR Angelina, a fully accessible day camp located in the City's 785-acre Forest Park. GZA's multi-phase master plan was instrumental in the City receiving grant funding from multiple funding agencies. To date, GZA has provided site civil engineering, landscape architecture, and wetland permitting services for the first 3 phases of development.

Phase 1 – Access Drive, Parking, Utilities for full build-out, Pool, Sitework for Bathhouse
GZA provided site civil engineering, landscape architecture, and ecological permitting services for a new entrance drive, utility upgrades, site development for a swimming pool, bathhouse, parking lot, and nature-based stormwater management.

Phase 2 – Amphitheater
GZA provided site civil engineering and landscape architecture services for an ADA-accessible amphitheater including concrete walks, steps, ramps, brick seating walls, landscaping, lighting, and drainage.

Phase 3 – Accessible Trail
GZA provided site civil engineering, landscape architecture, and ecological permitting services for the development of a quarter-mile accessible walking trail that descends 60± vertical feet from the main camp area down the shore of Porter Lake in Forest Park, Springfield. The trail is paved with compacted stone dust and is designed to US Forest Service Trail Accessibility Guidelines. Camp STAR Angelina offers inclusive recreational programs for youth and young adults (ages 3-22) with and without disabilities. The new trail provides access from the main campus downhill through a forested area, to the edge of Porter Lake.

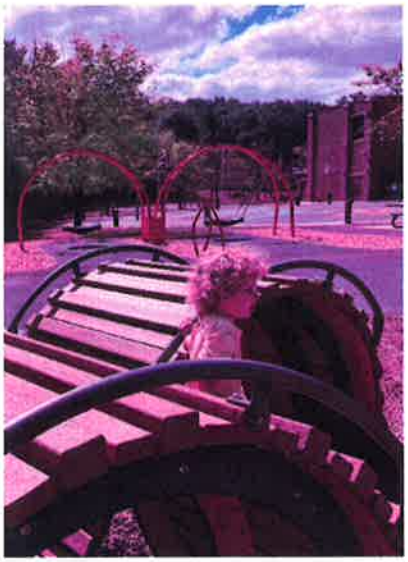
Project Highlights:

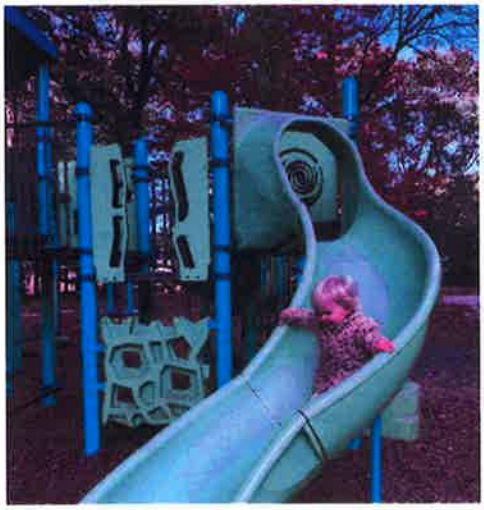
- Master Plan of Development
- Phase I Environmental Site Assessment
- Geotechnical Investigation, Recommendations, and Design
- Site Civil Engineering for Phase I of Development
- Nature-based stormwater Management
- Design of Outdoor Amphitheater
- Trail Accessibility
- Utility Design for Full Implementation of the Master Plan
- Professional Design for Phase 1, 2, 3 of Development
- Wetlands Delineation, Assessment, and Permitting

Client Contact:
Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and Recreation Management
City of Springfield
lwaslsh@springfieldcityhall.com

Twenty-Five School Playgrounds

Springfield, MA





GZA provided site civil engineering and landscape architecture services for the development of twenty-five new school playgrounds throughout Springfield at various elementary schools. GZA provided full design, cost estimation, preparation of construction documents, bid phase services and construction phase services. Each site was publicly-bid individually, with bids awarded to a variety of contractors. Construction on all 25 sites is currently nearing completion. The project was funded with Early and Secondary School Emergency Relief III funding.

Project Highlights:

- Landscape Architecture
- Civil Engineering
- Cost Estimating
- Playground Design
- Stormwater Design
- Bid Phase Services
- Construction Phase Services

Client Contact:

Jon Carignan, Director of School and Municipal Buildings
Facilities Management Division
City of Springfield
(413) 787 6279
jcarignan@springfieldcityhall.com

Redevelopment of Blunt Park

Springfield, MA

GZA provided master planning services for the multi-phase redevelopment of Blunt Park and assisted in grant application services. Upon receipt of $1.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide landscape architectural and civil engineering services and wetlands permitting for the full design, prepare construction documents, and provide construction phase services for Phase I of improvements. Phase I project improvements included improved ADA-compliant access to existing park improvements and parking, new ADA-compliant walkways, new accessible playground featuring poured-in-place surfacing and engineered wood fiber safety surfacing that meets Massachusetts Architectural Access Board (MAAB) and ADA guidelines, renovated pavilion and picnic grove, new memorial and flagpole area, new splash pad, six new tennis courts, upgraded utilities, improved site drainage and stormwater management, and resilient landscaping. The project was completed on time and on budget, satisfying applicable state and federal grant requirements.

Project Highlights:

- Master Planning
- Site Civil Engineering
- Landscape Architectural Design
- Playground Design
- Splashpad (water spray deck)
- Tennis Courts
- Wetlands Delineation, Assessment, and Permitting

Client Contact:

William Cahillane, Project Manager
Department of Capital Asset Construction
City of Springfield
wcahillane@springfieldcityhall.com

Redevelopment of Greenleaf Park

Springfield, MA

GZA provided master planning services for the redevelopment of Greenleaf Park and assisted in grant application services. Upon receipt of $2.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide site civil engineering, landscape architecture, and ecological permitting services for the redevelopment of Greenleaf Park. Site improvements include a new accessible splash pad, two new accessible playgrounds with poured-in-place rubber safety surfacing, a redeveloped parking lot, culvert headwall reconstruction, and an extensive accessible walking trail system featuring a new pedestrian bridge.
The project was completed in June 2024.

Client Contact:

Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and Recreation Management
City of Springfield
lwalsh@springfieldcityhall.com

Project Highlights:

- Conceptual Master Plan for Successful Grant Applications
- Site Civil Engineering
- Landscape Architectural Design
- Stormwater Design
- Wetlands Delineation, Assessment, and Permitting
- Section 408 Permitting with the U.S. Army Corps of Engineers

Development of Gunnery Sergeant Thomas J. Sullivan Park

Springfield, MA

GZA prepared a master plan, assisted with the grant writing process, and ultimately provided full site civil engineering and landscape architectural services for construction documents for a new passive, lakefront park. The site was previously completely wooded site before a 2011 tornado destroyed its tree cover. GZA created a reforestation plan with 100% Americans with Disabilities Act (ADA) compliant trails from a small parking lot to a gazebo overlooking the pond, an existing pedestrian bridge, a memorial, and a kayak launch. GZA park features porous bituminous concrete pavement at the parking lot and flexible porous paved pathways. The park also features native pollinator wildflower meadows, extensive tree plantings, seating areas, a flagpole/memorial area, landscaping, and signage.

Project Highlights:

- Conceptual Master Plan for Successful Grant Applications
- Site Civil Engineering
- Landscape Architectural Design
- Stormwater Design
- Wetlands Delineation, Assessment, and Permitting
- Section 408 Permitting with the U.S. Army Corps of Engineers

Client Contact:

Laura Walsh, Senior Parks Planner
Department of Parks, Buildings, and Recreation Management
City of Springfield
lwalsh@springfieldcityhall.com

SECTION 6 | REFERENCES

REFERENCES

The following five references are from similar projects:

1. PROJECT: POMERANCE AND TUCHMAN MASTER PLAN
   Description: GZA prepared a master plan for a 100-acre municipal park in Greenwich, CT, focused on ecological management, historic preservation, and passive recreation. Recommendations were organized by levels of priority and approximate estimated cost. The master plan also identified potential sources of funding and outlined installation and maintenance considerations of proposed improvements. Project included public meetings and an online survey prepared by GZA which drew over 700 responses.

Location:	Greenwich, CT
Completion date:	Spring 2024
Contact:	Dr. Gregory Kramer, Superintendent of Parks and Tree Warden
Owner & Address:	Town of Greenwich, 101 Field Point Road, Greenwich, CT 06830
Phone:	(203) 622 7824
Email:	gregory.kramer@greenwichct.org

2. PROJECT: REDEVELOPMENT OF GREENLEAF PARK
   Description: GZA provided master planning services for the redevelopment of Greenleaf Park and assisted in grant application services. Upon receipt of $2.5M of funding from multiple sources of funding, the City of Springfield contracted GZA to provide site civil engineering, landscape architecture, and ecological permitting services for the redevelopment of Greenleaf Park. Site improvements include a new accessible splash pad, two new accessible playgrounds with poured-in-place rubber safety surfacing, a redeveloped parking lot, culvert headwall reconstruction, and an extensive accessible walking trail system featuring a new pedestrian bridge. The project was completed in June 2024.

Location:	Springfield, MA
Completion date:	June 2024
Contact:	Laura Walsh, Senior Parks Planner
Owner & Address:	Dept. of Parks, Buildings, and Recreation Management, 200 Trafton Road, Springfield, MA 01108
Phone:	(413) 886-5186
Email:	lwalsh@springfieldcityhall.com

3. PROJECT: IMPROVEMENTS TO MONTAGUE CENTER PARK
   Description: GZA provided conceptual designs, cost estimation, and full design including preparation of construction documents for a $450,000, PARC-funded construction project for the redevelopment of an accessible playground, and development of accessible walkways, parking area, and site furnishings. The project features low-impact stormwater design strategies, poured-in-place safety surfacing, bike racks, gravel parking lot with paved ADA spaces, signage kiosk, and owner-furnished Kompan play equipment

(including ages 2-5 yrs. old playground structure, ages 5-12 yrs. old playground structure, swings). The construction was awarded to Mountain View Landscapes and is anticipated to be completed this fall, within budget and on schedule.

Location:	Montague, MA
Completion date:	Fall 2024
Contact:	Jon Dobosz, Director of Parks and Recreation
Owner & Address:	Town of Montague, 56 First Street, Montague, MA 01376
Phone:	(413) 863-3216
Email:	recdir@montague-ma.gov

4. PROJECT: 25 SCHOOL PLAYGROUNDS

Description: GZA provided site civil engineering and landscape architecture services for the development of twenty-five new school playgrounds throughout Springfield at various elementary schools. GZA provided full design, cost estimation, preparation of construction documents, bid phase services and construction phase services. Each site was publicly-bid individually, with bids awarded to a variety of contractors. Construction on all 25 sites is currently nearing completion. The project was funded with Early and Secondary School Emergency Relief III funding.

Location:	Springfield, MA
Completion date:	Fall 2024
Contact:	John Carignan, Director of School and Municipal Buildings
Phone:	(413) 787 6279
Owner & Address:	Facilities Management Division, City of Springfield 233 Allen St, Springfield, MA 01108
Email:	jcarignan@springfieldcityhall.com

5. PROJECT: MITTINEAGUE PARK EAST ENTRANCE

Description: GZA is currently providing landscape architecture services for Mittineague Park East Entrance for the Town of West Springfield, MA. The site contains a wide range of recreational facilities. GZA provided schematic design options which were shared at a public meeting for community input. GZA is currently advancing the site design to construction documents, including full design of a first phase of improvements to be implemented next year. Further phases of the full design (accompanied by cost estimates), will be used by the Town in securing funding for implementation.

Location:	West Springfield, MA
Completion date:	Spring 2025, anticipated (design)
Contact:	Benjamin Paquette, Director of Central Maintenance & Wired Utilities
Phone:	(413) 495-1838
Owner & Address:	Town of West Springfield, 26 Central Street, Suite 7, West Springfield, MA 01089
Email:	bpaquette@townofwestspringfield.org

SECTION 7 | COMPLIANCE DOCUMENTS AND RESUMES

Secretary of the State of Connecticut
Certificate of Legal Existence

Certificate of Legal Existence Certificate

Date Issued: Friday, December 15, 2023 9:55 AM

I, the Connecticut Secretary of the State, and keeper of the seal thereof, do hereby certify that the below corporation incorporated under the laws of United States / MA and transacting business in the state of Connecticut filed an application for certificate of authority to transact business in this office.

A certificate of withdrawal has not been filed, the corporation has filed all annual reports, and so far, as indicated by the records of this office, such corporation is authorized to transact business in Connecticut.

Business Details

Business Name in State of Formation	GZA GEOENVIRONMENTAL, INC.
Name used to transact Business in Connecticut	GZA GEOENVIRONMENTAL, INC.
Business ALEI	US-CT.BER:0170362
Registration Date	06/06/1985

Secretary of the State

Business ALEI: US-CT.BER:0170362

Certificate Number: C-00115664

Note: To verify this certificate, visit Business.ct.gov

STATE OF CONNECTICUT
DEPARTMENT OF REVENUE SERVICES

27-Dec-2023

GZA GEOENVIRONMENTAL INC

1 EDGEWATER DR
NORWOOD 020624674

Confirmation #: 0-009-252-761

CT Tax Registration No.: 003330784000

Status Letter

To Whom It May Concern,

Based on the information currently available, the State of Connecticut, Department of Revenue Services (DRS) records indicate that the entity listed above has filed all of its tax returns and paid all taxes that were reported due.

This Status Letter is valid until 26-Jan-2024.

In providing this letter, DRS is not making any representations that it has conducted an audit examination or otherwise concluded that the information reported on the tax return(s) is correct. In the future, DRS may determine that additional tax returns were required or, to the extent allowed by law, make an assessment against the taxpayer and its successors or assigns.

This is not a Tax Clearance Certificate under Connecticut General Statutes §§12-294, 12-424, 12-546, or 12-707.

Sincerely,
Department of Revenue Services

TAX CERTIFICATION AFFIDAVIT FOR CONTRACTS

Individual Social Security Number	State Identification Number	04-2393851 Federal Identification Number

Pursuant to M.G.L. Ch. 62c. sec. 49a.

Company: GZA GeoEnvironmental, Inc.

P.O. Box (if any): _____ **Street Address Only:** 1350 Main Street, Suite 1400

City/State/Zip Code: Springfield, MA 01103

Telephone Number: 413-726-2100 **Fax Number:** 413-732-1249

List address(es) of all other property owned by company in Springfield: _____

Please Identify if the bidder/proposer is a:

Corporation	X	
Individual	_____	**Name of Individual:** _____
Partnership	_____	**Names of all Partners:** _____
Limited Liability Company	_____	**Names of all Managers:** _____
Limited Liability Partnership	_____	**Names of Partners:** _____
Limited Partnership	_____	**Names of all General Partners:** _____

You must complete the following certifications and have the signature(s) notarized on the lines below.

TAX CERTIFICATION

I, Guy Dalton (Authorized Agent) certify under the pains and penalties of perjury that GZA GeoEnvironmental, Inc. (Bidder/Proposer), to my best knowledge and belief, has/have complied with all **United States Federal, Commonwealth of Massachusetts, and City of Springfield** taxes required by law.

GZA GeoEnvironmental, Inc.
Bidder/Proposer/Contracting Entity

Authorized Person's Signature

Date: 10/9/24

Notary Public

STATE OF Massachusetts

County of Hampden, ss.

October 9, 2024

Then personally appeared before me [name] Guy Dalton, [title] Associate Principal of [company name] GZA GeoEnvironmental, Inc., being duly sworn, and made oath that he/she has read the foregoing document, and knows the contents thereof; and that the facts stated therein are true of his/her own knowledge, and stated the foregoing to be his/her free act and deed and the free act and deed of [company name] GZA GeoEnvironmental, Inc..

Veronica Lynn Price
Notary Public

VERONICA LYNN PRICE
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires
September 30, 2027

My commission expires: September 30, 2027

YOU MUST FILL THIS FORM OUT COMPLETELY AND, SIGNATURES MUST BE NOTARIZED ON THIS FORM AND YOU MUST FILE THIS FORM WITH YOUR BID/CONTRACT SUBMISSION. TAX AFFIDAVITS THAT ARE NOT SIGNED AND NOTARIZED WILL BE REJECTED.

RESUME

Dan Shaw, PLA, MVP

Landscape Architect

Education

M.S., 2012, Landscape Architecture II, University of Washington
B.S., 2009, Landscape Architecture, University of Massachusetts

Licenses & Registrations

Professional Landscape Architect, MA #4321 (2019)
MA Municipal Vulnerability Preparedness (MVP) Provider (2017)

Areas of Specialization

- Landscape Architecture
- Construction Phase Services
- Cost Estimation
- Graphic Design

* Project completed at a previous firm

Summary of Experience

Mr. Shaw is a landscape architect registered in Massachusetts. His work focuses on designing outdoor spaces that inspire people to form connections with their natural environments and their communities. He has designed landscapes for a range of clients including architects, municipalities, and state agencies. Dan's background has given him broad knowledge in designing public spaces, parks, trails, playgrounds, and waterfronts.

Dan is a designer and collaborator who is skilled in project management, participatory design, public engagement, and creative problem solving. He performs site analysis, conceptual design, cost estimates, construction documentation, construction observation, grading design, graphic production including freehand sketching, and interdisciplinary coordination on complex projects. He is knowledgeable in green infrastructure, resilience planning, built environments that promote health, ecological restoration, and planning at both neighborhood and regional scales.

Project Experience

Mittineague Park East Entrance, West Springfield, Massachusetts. Dan is currently leading the design of a ten-acre area at the east end of a large Town-owned park. The project includes design development and cost estimating for new ballfields, playgrounds, splash pad, concessions building, accessible walkways, relocated utilities and driveways, and other site improvements. Services also include construction documentation for a first phase of improvements. (2024)

Quonochontaug Barrier Beach Master Management Plan, Westerly and Charlestown, Rhode Island. Dan is currently leading the development of a master plan for the stewardship of Quonochontaug Barrier Beach, a 1.7-mile long undeveloped barrier beach high in ecological value. Services include site analysis, stakeholder engagement, GIS mapping, and the development of a phased master plan with recommendations on ecological management, erosion and sand accretion, trails and vehicular drives, and site signage, as well as coastal permitting services for the first phase of improvements. (2024)

Montague Center Park, Montague, Massachusetts. Dan is currently leading the design of improvements to a Town-owned park in Montague. Project includes a new playground, driveway, parking area, walkways, rain garden, and site amenities. Services include conceptual design, cost estimating, public engagement, construction documentation, and construction phase services. (2024)

Meadow Brook Elementary School Playground, East Longmeadow, Massachusetts. Dan is currently leading the design of a new pre-kindergarten playground for a school in East Longmeadow. The project is currently under construction. (2024)

Alden Street Park, Springfield, Massachusetts. Dan is currently leading the design of improvements to a City-owned park on the shore of Lake Massasoit in Springfield. Design includes an accessible walkway, picnic areas, and fishing deck. (2024)

Nashawannuck Pond Shoreline Stabilization, Easthampton, Massachusetts. Dan is currently leading the preliminary design of repairs to bank stabilization structures in

Dan Shaw, PLA

Landscape Architect

Nonotuck Park on the shore of Nashawannuck Pond, including conceptual site design, cost estimating, and a summary of permitting requirements. (2024)

Harriet Tubman Park, Springfield, Massachusetts. Dan is currently leading the design of improvements to a City park on the shore of Lake Massasoit. The design includes a new playground, exercise area, amphitheater, picnic pavilion, basketball court, and fishing area. Services include conceptual design, cost estimating, wetlands delineation and permitting, construction documentation, and construction phase services. The project is currently under construction. (2024)

Camp STAR Angelina Accessible Trail, Springfield, Massachusetts. Dan provided landscape architecture design services for a 1,000 linear foot hiking trail designed to meet Forest Service Accessibility Guidelines. The trail provides access from a summer camp facility through a wooded hillside to a lake below. The trail is currently under construction. (2023)

Improvements to Playgrounds in West Springfield, Massachusetts. Dan led the design of a series of new playgrounds for the Town of West Springfield. Project included conceptual design through construction documents for nine sites, cost estimating, permitting, and construction phase services. Four of the sites are currently under construction. (2024)

Barrows Park, Springfield, Massachusetts. Dan led the design of a new playground and accessible walkways in a City-owned park. The design introduces engaging, accessible, and high play-value play climbing equipment into a previously under-utilized neighborhood park. Project included conceptual design, cost estimating, construction documentation, and construction phase services, and is currently under construction. (2024)

Nahorniak Park, Springfield, Massachusetts. Dan led the design of a new playground in a City-owned park. The small project site is constrained by existing topography, utilities, and walkways. By creatively selecting and locating the playground features, the design creates a new playground that fits seamlessly into the existing park. The project is currently under construction. (2024)

Esek Hopkins Park Improvements and Trail System, Scituate, Rhode Island. Dan is currently leading the development of a new accessible walking trail and playground accessibility updates in a town-owned park. The new trail will provide access between the parking area, ballfields, points of interest in the woods, and the updated playground. (2023)

Borgatti Park Pickleball Courts, Agawam, Massachusetts. Dan led the design of new pickleball courts, walkways, and park pavilion in a town-owned park. Project included master planning, cost estimating, construction documentation and construction phase services. (2023)

Conant Park Master Plan, Southampton, Massachusetts. Dan led the development of a master plan for a 23-acre town-owned park that includes ballfields, playgrounds, walking trails, drainage improvements, historic features and a pavilion and picnic areas. Project included prioritization of improvements, illustrative master plan, and cost estimate. (2023)

Peterson-Puritan Operating Unit No. 2 Landscape Architecture Services, Cumberland, Rhode Island: Dan led the schematic design of park improvements for the re-use of a closed landfill. Working simultaneously and in close collaboration with the designers of the landfill cap, park design options included walking trails, meadow landscapes, parking and access, play equipment, and park amenities, as well as creative landform of the landfill cap design to enhance the overall park landscape. Services also included 3d renderings and visualizations of the proposed design. (2023)

Pomerance and Tuchman Master Plan, Greenwich, Connecticut. Dan led the development of a master plan for a 100-acre Town owned open space. The project included existing conditions assessment of historic ruins, ecological conditions, hiking trails and visitor amenities. The project produced a master plan with recommendations for future capital improvements and ongoing maintenance for this unique and historic park, including trail improvements, accessibility upgrades, and historic preservation, as well as measures to increase climate resilience and biodiversity. (2023)

Venture Pond, Springfield Massachusetts. Dan led the design of improvements to a City-owned pond in a residential neighborhood, including design of a fishing deck and kayak launch. Project included existing conditions topography and bathymetry survey, wetland delineation, and permitting. (2023)

Anja Theresa Ryan Duffy, P.L.A.

Senior Project Manager / Professional Landscape Architect

Education

B.S., 2005, Landscape Architecture, University of Massachusetts- Amherst

Licenses & Registrations

- 2011, State of Connecticut, Registered Landscape Architect, #1198
- 2012, Commonwealth of Massachusetts, Registered Landscape Architect, #4000
- 2017, State of Rhode Island, Registered Landscape Architect, #0647
- 2019, State of New Hampshire, Registered Landscape Architect, #00177

Areas of Specialization

- Master Planning
- Site Design
- Planting Design
- Construction Document Preparation
- Designer Construction Phase Services
- Cost Estimation
- Graphic Design

Summary of Experience

Anja leads a team of landscape designers within GZA who specialize on creating outdoor spaces that safe, accessible, aesthetically pleasing, and resilient. For over 17 years she has worked on project involving the public park projects and within this time has successfully prepared dozens of conceptual site designs and that have been pivotal to being awarded multi-phase of funding and implementation. She oversees the production of not only conceptual site plans, graphic presentations, and but also full preparation of construction documents on a variety of public and private site development and open-space restoration projects. Her broad technical knowledge allows her to successfully manage interdisciplinary projects and provide construction phase designer services. Anja's approach to landscape design comes from nature-based design solutions, paired with an experienced understanding of how people use and enjoy outdoor spaces. Her landscape designs include resilient landscape materials, native plants, and nature-based stormwater management when applicable.

Project Experience

New Playground Facilities at 25 Elementary Schools | Springfield, Massachusetts. Anja was lead designer and project manager for twenty-five school playground projects funded by the Elementary and Secondary School Emergency Relief III grant. Anja and her team successfully produced bid level construction documents for each school and managed the project as separate projects that were simultaneously following the same construction schedule. The average cost of development for each playground development project was about $500,000. Anja led GZA's effort as engineer of record during the construction phase. Twenty-one of the school playgrounds have been completed and the remaining four will be completed by the end of November 2024.

Putnam Technical Academy High School Artificial Turf Athletic Field | Springfield, MA Anja was lead designer and project manager for development of an artificial turf athletic field funded by the Elementary and Secondary School Emergency Relief III grant. Anja and her team successfully produced bid level construction documents and performed designer phase construction services for the $2.1 million project.

Greenleaf Park | Springfield, Massachusetts. Anja was lead landscape architecture designer and project manager leading the redesign effort of Greenleaf Park, beginning with conceptual master and plan to full design and development of bid-level construction documents resulting in a successful $2.5 million construction project. Anja led a team of GZA civil and geotechnical engineers and wetland scientists for the design and permitting of head replacement which was intrinsic to the park restoration project. Additional site improvements included 0.5 mile of accessible trails and walkways, a new pedestrian bridge/wetland crossing, two accessible playgrounds, water spray play area, parking lot improvements, stormwater improvements, lighting, landscaping, site furnishings, and signage.

Blunt Park | Springfield, Massachusetts. Anja led the design effort, beginning with conceptual master and plan leading to full development of bid-level construction documents for the $1.5 million redevelopment project of Blunt Park. Anja led a team

Anja Ryan Duffy, PLA

Landscape Architect

of GZA civil and geotechnical engineers and wetland scientists for the design and permitting of site improvements and stormwater management systems. She managed designer phase construction phase serves. Project site improvements includes new accessible walkways, playground, renovated picnic pavilion and picnic grove, water spray play areas, parking lot improvements, landscaping, site furnishings, and signage.

Kenefick Park | Springfield, Massachusetts. Anja led design, staring with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase $1.75 million park redevelopment project. Site improvement included accessible pedestrian connections, parking lot, splash pad, playground, picnic pavilion, softball field, basketball courts, handball wall, site furnishings, site utilities, irrigation, and landscaping. The final phase of the multi-phase project was completed in September 2024.

Ruth Elizabeth Park | Springfield, Massachusetts. Anja led design, staring with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase $1.5 million park redevelopment project. Site improvement included accessible pedestrian connections, splash pad, playground, entrance pavilion, basketball court, handball wall, site furnishings, site utilities, and landscaping. The final phase of the multi-phase project was completed in November 2020.

Calhoun Park | Springfield, Massachusetts. Anja led design, staring with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for a multi-phase $880,000 park redevelopment project. Site improvement included accessible pedestrian connections, playground, handball wall, site furnishings, site utilities, and landscaping. The final phase of the multi-phase project was completed in September 2024.

Stearns Square & Duryea Way | Springfield, Massachusetts. Anja led design, staring with conceptual master plan too full design, preparation of construction documents, and managed designer construction phase services for redevelopment of a historic urban park, pedestrian alley way, and adjoining streetscape. Anja's vision was developed through stakeholder and public engagement and historical consultation for the full restoration of Stearns Square, a historical park, and the redevelopment of Duryea Way, a pedestrian alleyway, into a venue for public markets and dining. Anja's design featured expanded City sidewalks, restoration of a historical fountain created by Augustus Saint-Gaudens, street tree plantings, new pavements, street furnishings, extensive planting beds, lighting, signage, and traffic calming measures. Anja led the development of construction documents and performed construction phase designer services through construction.

Montague Center Park | Montague, Massachusetts. Anja was the consultant reviewer of the design and construction documents produced by her landscape architect colleagues. The project involved development of an accessible, multi-age playground, accessible walkways, parking lot, nature-based stormwater management, kiosk, site furnishings, and signage. Anja provided design input, review of cost estimate, and final review of deliverables.

Meadow Brook Elementary School Playground | East Longmeadow, Massachusetts. Anja was the consultant reviewer of the design and construction documents produced by her landscape architect colleagues. The project involved development of an accessible, multi-age playground, accessible walkways, fencing, and site furnishings. Anja provided design input, review of cost estimate, and final review of deliverables.

North Riverfront Park | Springfield, Massachusetts. Anja was the lead landscape architect and project manager for a park development project along the Connecticut River in Springfield. The new park is situated around the Pioneer Valley Riverfront Club and features ample area for assembly of rowers and their various row boats (shells), pavilion, picnic areas, river rock masonry retaining walls and overlook areas, connection to adjacent bike trail, fitness trail, landscaping, and parking. GZA provided site civil engineering, landscape architectural and environmental services for project which interfaced with the USACE-constructed flood control levee therefore requiring Section 408 permitting for alteration of a Federally constructed project.

Nathaniel L. Russell, P.E.

Associate Principal / Civil & Geotechnical Engineer

Summary of Experience

Mr. Russell leads GZA's Civil and Geotechnical Engineering practice in GZA's Springfield, Massachusetts office. His experience includes Geotechnical Engineering and Design, Site/Civil Engineering (land development), Site Investigations, Landfill Design and Permitting, Stormwater / ESCP Design and Permitting, Wetland Permitting, Environmental Remediation / Brownfields Redevelopment, Alternative Energy Site Development, Project Management, Construction Management / Construction Quality Assurance, and Litigation Support.

Geotechnical experience includes developing and executing or overseeing subsurface exploration programs, design of shallow and deep foundation systems (spread footings, steel H-piles, timber piles, micro piles, and helical piles), MSE retaining walls, estimating settlements, and preparing design-phase reports, design and specification of temporary support of excavation systems (soil nail wall and soldier pile/lagging), as well as performing and overseeing construction monitoring. Construction phase experience includes geotechnical inspection and site preparation including deep and shallow foundation systems, major earthwork projects (excavation and filling), rock removal (blasting). He has performed field inspection and laboratory testing for asphalt, soils, concrete, groundwater, and other construction materials.

Education

B.S., 2003, Civil Engineering, Lehigh University
M.S., 2006, Geotechnical Engineering, University of California

Licenses & Registrations

2008, Professional Engineer, Massachusetts, #47719
2014, Professional Engineer, Connecticut, #PEN.0030556
2016, Professional Engineer, Vermont, #018.0117996
2016, Professional Engineer, New York, #096236
MA Solid Waste Facility Third Party Inspector TIPX263211
Nuclear Density Gauge Certified
49 CFR 172 (H)

Areas of Specialization

- Geotechnical Engineering
- Civil Engineering
- Subsurface Investigations
- Solid Waste Management
- Construction Monitoring
- Construction Management
- Stormwater Management
- Environmental Permitting

Civil/Geotechnical Engineering

Geotechnical Engineer, Upper Van Horn Reservoir Dam Phase II Evaluation/Conceptual Design and Design/Permitting Rehabilitation Projects, Springfield, Massachusetts. Mr. Russell was the lead geotechnical engineer on both of these projects related to investigations and design and permitting for improvements needed to bring the Upper Van Horn Reservoir Dam into Good Condition. The project includes study, design and permitting of large-scale rehabilitation of the dam, including permitting and approvals through MEPA, Section 401, 404, Wetlands Protection Act, Chapter 253, among others.

Geotechnical Engineer, Soldiers' Home in Holyoke, Holyoke, Massachusetts. GZA is providing extensive geotechnical engineering support for the ongoing design of the +$400-million reconstruction of Soldiers' Home in Holyoke project. The project includes phased construction of the new 9-story hospital building, demolition of the existing facility and reconstruction of site parking facilities and other infrastructure. In support of the design, GZA is providing geotechnical engineering support for construction of the new hospital building, design of temporary support of excavation, geotechnical evaluation, and preliminary design of large retaining walls to support new access roads, geothermal evaluation including installation of two geothermal test wells. Mr. Russell is managing GZA's geotechnical engineering services for design and construction of the project.

Civil/Geotechnical Engineer, Woods Hole Ferry Terminal Reconstruction, Falmouth, Massachusetts. GZA is providing extensive engineering support to the Steamship Authority for the ongoing +$150-million reconstruction of Woods Hole Ferry

Nathaniel L. Russell, P.E.

Senior Project Manager / Civil & Geotechnical Engineer

Terminal and relocation of their administrative offices to an off-site location. Mr. Russell is managing GZA's civil engineering services for design, permitting and construction of the phased reconstruction of the Ferry Terminal, including replacement of all three slips, the terminal building, a new storage building, new MassDEP compliant stormwater management system, new utility services (water, electric, communications and sanitary sewer) and associated infrastructure improvements.

As part of the project, GZA assisted with the civil and geotechnical design for SSA's new 20,000-sf administrative office building and temporary terminal (both under construction) to relocate their administrative services and operational personnel.

Mr. Russell also assisted with the permitting of the project with local, state, and federal regulators, including filing a wetlands Notice of Intent (NOI), Chapter 91 license and Section 401 Water Quality Certification.

Geotechnical Engineer, Wahconah Regional Middle School, Dalton, Massachusetts. Mr. Russell provided geotechnical services during design of the Town of Dalton's new middle school, including evaluation of available existing geotechnical data, coordination of supplemental subsurface explorations, assessment of geotechnical conditions at the site, development of geotechnical design recommendations for the new school, and preparation of construction documents.

Geotechnical Engineer, Taconic High School, Pittsfield, Massachusetts. Mr. Russell provided geotechnical services during design and construction of the City of Pittsfield's new technical high school. Mr. Russell reviewed submittals and requests for information, met with the owner's representative and their testing agency to review subsurface conditions encountered during construction of the building foundation and provided technical guidance during construction. Mr. Russell oversaw GZA's field services during construction, including managing on-site staff and providing on-call support to junior engineers.

Geotechnical Engineer, Lower Van Horn Dam Rehabilitation, Springfield, Massachusetts. Mr. Russell provided geotechnical engineering and senior engineering field support during rehabilitation of the Lower Van Horn Dam, a High Hazard Class dam owned by the City of Springfield and located immediately upgradient of the expansive campus of Baystate Medical Center, the region's only Level 1 Trauma Center and the City's largest employer. Mr. Russell provided assistance to junior-level field staff responsible for routine observation and documentation of field repairs to ensure the work performed was in accordance to the contract drawings and specifications. Mr. Russell attended meetings with the owner and their dam repair contractor as well as assisting the project team develop solutions for unforeseen conditions encountered during construction, including mitigation of deposits of buried organics encountered within the embankment fill and abandonment of unknown conduits encountered in the embankment.

Geotechnical Engineer, Upper Roberts Meadow Dam Breach, Northampton, Massachusetts. Mr. Russell provided construction-related geotechnical engineering and field observation assistance to the project team during breach and removal of a high hazard stone masonry dam in poor condition. Mr. Russell reviewed Contract Documents including final design drawings and project administrative and technical specifications and provided field-liaison with the dam removal contractor during construction on an as-needed basis.

Geotechnical Engineer, North Riverfront Park, Springfield, Massachusetts. Mr. Russell led the geotechnical evaluation of a proposed ramp on the levee system sideslope for access to an existing bike path and design of site retaining walls and building foundations. The project involves construction of new retaining walls and placement of fill over the riverside slope of a levee that is an integral part of the City of Springfield's flood control system. As part of the project GZA obtained Section 408 approval from the USACE.

Affiliations/Memberships

- Member, American Society of Civil Engineers (ASCE/G-I)
- Association of Dam Safety Officials
- Boston Society of Civil Engineers

RESUME

Education

M.L.A., 2024, Landscape Architecture,
University of Massachusetts – Amherst
B.A., 2003, Anthropology,
Sonoma State University

Certifications

Cultural Landscape Management

Areas of Specialization

- Landscape Architecture
- Site Design Layout
- Grading and Plantings
- Graphic Design
- Conceptual Rendering

Awards

Olmsted Scholar, 2024
Landscape Architecture Foundation

Affiliations/Membership

- American Society of Landscape Architecture
- Boston Society of Landscape Architects

Jeffrey Taylor

Landscape Designer

Summary of Experience

Jeffrey Taylor is a landscape designer based in Springfield, Massachusetts. He specializes and has experience in producing construction details and documents, grading and planting plans, hand-drawn and computer-generated graphics, site inventory analysis, master plan documents and 3D renderings. He has designed private residential schematics, worked on university campus design, planting and restoration projects, and has collaborated in producing innovative design solutions for civic and public spaces such as streetscapes, parks and children's play features and spaces. Jeffrey has cultivated strong interpersonal and communication skills, having community outreach and engagement experience working with a wide diversity of people from different cultural groups and backgrounds Coupled with his understanding and commitment to providing nature-based solutions, green infrastructure and environmental justice, he is dedicated to providing these priorities as a part of resilient, creative and impactful design solutions.

Experience Prior to GZA

PARK OPERATIONS AND MANAGEMENT

Park Ranger II, Sonoma County Regional Parks, Santa Rosa, California. Jeffrey has more than fourteen years of experience in managing park facilities including service to the public, maintenance and operational procedures, regulation and code enforcement, accounting, reporting and documenting incidents, emergency medical care, supervision of staff and dealing with the needs of park visitors. He has handled multiple challenging and confrontational situations involving criminal suspects while enforcing county and state penal codes; communicated and acted effectively to ensure personal and public safety.

Jeffrey coordinated with supervising rangers in the recruitment, screening, interviews and hiring of seasonal staff members, as well as experience with counseling and training staff members on job functions and assignments regarding visitor services, maintenance tasks, law enforcement options and emergency procedures. He also conducted, developed, and led guided walking tours, cooking programs, backpacking clinics and other park interpretation events. Acted as lead interpretative ranger for the Central Operations and South Divisions regarding issues of public speaking, subject research and investigation, and involvement in volunteer events. He has worked as a liaison with tribal citizens of the Federated Indians of Graton Rancheria regarding Tolay Lake cultural history, resource protection and interpretation, personal tours and assistance with special events involving the tribe.

He has collaborated with park planners regarding department facilities, improvements to park properties and programs, operational requirements for new acquisitions, and contributions for the development and management of events.

Jeffrey Taylor

Landscape Designer

Jeffrey has experience with the media in conducting live and recorded radio interviews and programs for broadcasting park events and promoting the department. Developed, wrote, and recorded a solo weekly radio program to foster community engagement and stewardship awareness issues surrounding parklands and environmental awareness.

He has actively worked to improve public safety within park facilities and the community at large; worked as a certified Emergency Medical Technician (EMT-B) from 2005 to 2019; achieved the role as a Certified Playground Safety Inspector (CPSI) through the National Recreation and Park Association (NRPA); held certification as a Level 9 Safety Instructor for BLS and Wilderness Emergency Care by the American Safety & Health Institute (ASHI).

Presentations

"Growth Through Play: How Outdoor and Nature Play Relates to Children's Social-Emotional Development in Waldorf Education Settings and Beyond." Poster presentation at the Council of Educators in Landscape Architecture (CELA), St. Louis, MO, March 2024.

Affiliations/Memberships

- American Society of Landscape Architects (ASLA)
- Boston Society of Landscape Architects (BASLA)

Volunteer Activities

- American Red Cross Volunteer – medical and law enforcement resource worker during wildfire incident affecting Lake County, CA, 2015.
- Family Connection Volunteer - assisted single-parent family for approximately a year by providing consultation, childcare emotional support, and transportation. Santa Rosa, CA, 2003

RESUME

Hannah Welsh

Landscape Designer

Summary of Experience

Hannah Welsh is a landscape designer based in Springfield, Massachusetts. She specializes in producing construction documents, planting and grading plans, graphic presentations, site analysis, illustrative plans, and 3d renderings. Hannah has collaborated in designing a range of civic, commercial, and residential spaces, including parks, playgrounds, trails, campgrounds, ski resorts, and memorials. Her broad design experience provides her with a vast understanding of the site development process and the ability to perform interdisciplinary design tasks. With knowledge of green infrastructure, ecological restoration, and community engagement, Hannah is committed to providing resilient and creative design solutions.

Education

B.S., 2021, Landscape Architecture, Minor in Natural Resource Conservation, University of Massachusetts- Amherst

Areas of Specialization

- Landscape Architecture
- Site Design- Layout, Grading, Planting
- 3D Rendering
- Graphic Design

Affiliations/Membership

- American Society of Landscape Architecture
- Boston Society of Landscape Architects

Relevant Project Experience

Project Landscape Designer | New Playground Facilities at Twenty-Five Public Elementary Schools | Springfield, Massachusetts. Hannah supported the design of twenty-five school playground projects in Springfield funded by the Elementary and Secondary School Emergency Relief (ESSR) grant. Hannah aided the team with bid-level construction documents for each school. Each project site was managed separately and was followed through construction. Each site provided a unique opportunity to provide accessible play areas for students with an average cost of $500,000. Twenty-one of the schools' playgrounds have been completed, and the remaining four will be completed by the end of November 2024.

Project Landscape Designer | Mittineague Park East Entrance | West Springfield, Massachusetts. Hannah is supporting the design of the ten-acre entrance area of the 325-acre town-owned park and recreation area. The project is providing the town with new ballfields, a playground, a splashpad, a concessions building, a fitness area, and accessible walkways. The project will relocate existing utilities, parking areas, and driveways to provide the park with more seamless recreation space and a friendlier arrival to the park. The team is responsible for design development and cost estimating for a multi-phased park improvements plan as well as construction documentation for the first phase of improvements. (2024)

Project Landscape Designer | Montague Center Park | Montague, Massachusetts. Hannah aided the improvement plan for the public park located in the Montague Center neighborhood. The project includes a new playground, driveway, parking area, walkways, rain garden, and site amenities. Services provided by the GZA team include conceptual design, cost estimating, public engagement, construction documentation, and construction phase services. (2024)

Project Landscape Designer | Harriet Tubman Park | Springfield, Massachusetts. Hannah is currently assisting in the development and design of Harriet Tubman Park, situated along Lake Massasoit. The design includes a new playground, outdoor fitness center, amphitheater, pavilion space, basketball court, and fishing pier. The project is currently under construction. (2024)

Project Landscape Designer | New Playground Facilities at West Springfield Public Elementary Schools and Public Parks| West Springfield, Massachusetts. Hannah is contributing to the design of a series of nine new playground sites across the town of

Hannah Welsh

Landscape Designer

West Springfield, five public elementary school playgrounds, and four public parks. The project intends to provide the town with new accessible playground facilities and improve site connections for existing park structures. The project included conceptual designs through construction documents for the nine sites, cost estimating, permitting, and construction services. Four of the sites are currently under construction (2024).

Project Landscape Designer | Magazine Park | Springfield, Massachusetts. Hannah assisted in the development of a master plan for a 3.1-acre neighborhood park with the creation of an illustrative plan used to help promote the project. The plan intends to create a more inviting space by reorganizing existing park elements with more intentional walkways, clear entrance areas, an upgraded playground, and new site amenities. (2022)

Project Landscape Designer | Blunt Park | Springfield, Massachusetts. For the development of Blunt Park, Hannah created a series of perspective renders to support the visualization of the proposed design. The proposed design aims to create an inviting gathering area for people of all ages, with a new playground area, splash pad, pavilion area, and a memorial garden for the Stone Souls Festival which takes place at the park every summer. (2023)

Project Landscape Designer | Greenleaf Park | Springfield, Massachusetts. Hannah supported the master plan for Greenleaf Park and created an illustrative plan for the project proposal. The project strives to connect the two existing park parcels with a more cohesive park path and create new play areas with a splash pad, accessible trails throughout the site, and improvements to existing stormwater. (2023)

Project Landscape Designer | Marshall Roy Park | Springfield, Massachusetts. Hannah supported the development of construction documents for Marshall Roy Park. The 14-acre park design includes an improved pedestrian walkway through the park, a splash pad, and an outdoor gym area. By creating a large accessible pathway, the project will increase the overall accessibility of the park. (2022).

Project Landscape Designer | Cottage Hill Park | Springfield, Massachusetts. Hannah created a series of perspective renderings to support a proposed master plan. She assisted in the creation of construction documents for the 3.5-acre park located in the Orchard Hill neighborhood of Springfield. The site is a registered Massachusetts Historical Landmark established in 1850. The proposed site design intends to accompany existing historical elements with increased signage and horticultural identification, restore pathways, and planting beds, and create new seating areas and gathering spaces. (2022)

GRAPHIC DESIGN & VISUALIZATIONS

Maine Maritime Academy Waterfront Campus | Castine, Maine. Hannah created a watercolor painting depicting the proposed waterfront structures and the new National Security Multi-Mission Vessel (NSMV) to be used by students of Maine Maritime Academy. The hand-drawn and painted watercolor provides the Academy with the proposed conditions of the waterfront for marketing the new NSMV. Hannah was also responsible for creating a 3d model and visual simulations of the vessel from several different vantage points to be used for permitting/planning purposes.

Collinsville Dam | Dracut, Massachusetts. Hannah worked to create visual simulations of the proposed conditions of the stream after the Collinsville dam removal over several years. The proposed design removes the existing dam and reintroduces the natural stream bank.

Islesboro Narrow | Islesboro, Maine. Hannah created a visualization of a proposed stormwater revetment along the harbor shore and Main Road to help prepare the town for rising sea levels, and 100-year storm floods. This project's goal is to help the town's climate resiliency and help maintain the connection between the northern and southern portions of the island.

Cora Ottaviani

Ecological Scientist

Summary of Experience

Cora Ottaviani joined GZA in the summer of 2021 bringing academic experience across environmental management, wildlife conservation, writing, and ecological field studies. She has worked in environmental nonprofits and state departments on topics ranging from plant ecology, forestry, and mosquito management. This included a considerable amount of field experience in beech leaf disease distribution surveys, collecting forest measurement data, and plot establishment for the Forest Ecosystem Monitoring Cooperative. Her current projects at GZA include open space/woodland management planning, rare species surveys, and living shorelines.

Relevant Project Experience

BIOLOGICAL INVENTORY, GEOGRAPHIC INFORMATION SYSTEMS (GIS), & CONSERVATION MANAGEMENT

Field Ecologist, Glastonbury Open Space and Woodland Management Plan, Glastonbury, Connecticut. Assisted in surveying and collecting GPS data of existing conditions (trail conditions, invasive species, wetlands, etc.) within open space parcels. Used ArcGIS software to create figures of site for online survey for the gathering of public input. Also responsible for creating final figures to accompany listed recommendations provided in the management plan.

Field Ecologist, Existing Conditions Survey, Greenwich, Connecticut. Assisted in survey of trails, invasive species, wetlands, and forest composition of public park to include in our recommendations report. Used GIS software to create figures for online survey and public meetings presentations.

Field Ecologist, Seaview Beach Association Project, Madison, Connecticut. Conducted coastal plant survey assessment of marshes and dunes.

Field Ecologist, Rare Plant Transplant, Hamden, Connecticut. Assisted in collecting and removing rare plant seedlings from proposed work area.

Field Ecologist, Rare Plant Surveys, Groton, Connecticut. Assisted in surveying and collecting GPS points of rare and threatened species for transplant from work area.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

GIS Coordinator, Bantam Lake, Litchfield, Connecticut. Responsible for field GPS data collection of wetlands and ordinary high-water line. Processed field GPS data to map natural resource boundaries using ArcGIS Pro software.

REGULATORY PERMITTING

Natural Resources Specialist, Southern Regional Water Authority, Lake Whitney Dam Improvements, Hamden, Connecticut. Assisting in the submittal of state and federal permitting (Individual Dam Safety, 401 WQC, USACE 404 IP).

Education

MEM, Environmental Management, Yale University, 2019
BA, Biology, Minor in Environmental Studies, University of Hartford, 2016

Certifications

- Level 1 Venomous Course, The Rattlesnake Conservancy, 2024
- RI Coastal Invasive Manager

Affiliations/Memberships

- Environmental Professionals Organization of Connecticut (EPOC)
- Connecticut Society for Women Environmental Professionals (SWEP-CT)
- New England Women in Energy and the Environment (NEWIEE)

Areas of Specialization

- Habitat/Landscape Ecology
- New England Plant/Wildlife/Insect Identification
- GIS Mapping

Trainings/Volunteer

- CT DEEP Diamondback Terrapin Monitoring
- Maritime Aquarium Horseshoe Crab Tagging
- Wetland Soils Workshops (multiple)
- Flora Identification Workshops (ferns, shrubs, non-*Carex* sedges)

Cora Ottaviani

Ecological Scientist

Natural Resource Specialist, Long Wharf Erosion Protection-Shoreline Project, New Haven, Connecticut. Assisted in the preparation of permitting documents (COP, USACE PCN, alternative analysis) for submittal.

Experience Prior to GZA

Research Assistant, Connecticut Agricultural Experiment Station – Forestry and Horticulture, New Haven, Connecticut. Collected forest measurement data including tree diameter, cover class, and canopy height using laser rangefinders in multiple study plots throughout Connecticut. Responsible for processing digital elevation model (DEM) data in ArcMap for the constructing of topographic wetness indexes using SAGA GIS to analyze soil moisture in long-term oak plots.

Research Assistant, Connecticut Agricultural Experiment Station – Plant Pathology and Ecology, New Haven, Connecticut. Completed a distribution survey to monitor the spread of beech leaf disease by conducting site visits to state forests, parks, and private preserves. Responsible for programming HOBO data loggers to monitor temperature and relative humidity at 10 study plots.

Publications

Ottaviani, Cora. "Conserving the Sidekicks." Wild Without End, Defenders of Wildlife, 17 Aug. 2018, medium.com/wild-without-end/conserving-the-sidekicks-13388922e768.

Bin Zhu, Cora C. Ottaviani, Rahmat Naddafi, Zhicong Dai, Daolin Du; Invasive European frogbit (Hydrocharis morsus-ranae L.) in North America: an updated review 2003–16, Journal of Plant Ecology, Volume 11, Issue 1, 19 January 2018, Pages 17–25, https://doi.org/10.1093/jpe/rtx031

Rare Species Transplants

Common Name	Latin Name
Golden dock/Bristle dock/Seashore dock	*Rumex maritimus*

Rare Species Surveys

Common Name	Latin Name
Yellow thistle	*Cirsium horridulum*
Field Paspalum	*Paspalum laeve*

RESUME

Mark Stadnicki, P.E.

Assistant Project Manager

Summary of Experience

Mr. Stadnicki has experience in various aspects of civil engineering site development including layout, grading, utility, drainage design as well as construction support. In addition, he has experience in the permitting process which accompanies site civil development projects, having prepared permit applications as required by State and Local agencies. Mr. Stadnicki also has experience presenting projects before Local permitting agencies and the local public.

Mr. Stadnicki has worked on numerous site civil developments performing such tasks as review of local by-laws, evaluation, planning, layout, grading, utility, drainage design, preparing engineers opinion of costs, construction specification writing, contractor submittal review, and construction observation. Mr. Stadnicki's civil site development experience ranges from evaluations to final design, permitting and construction. Before joining GZA, Mr. Stadnicki was with SVE Associates.

Education

B.S., 2011, Civil Engineering, University of Massachusetts Amherst

Licenses & Registrations

2019, Professional Engineer, Massachusetts, #55402
Soil Evaluator, #13884, Commonwealth of Massachusetts - MassDEP

Areas of Specialization

- Civil Engineering
- Land Development/Site Design
- Site Layout
- Grading and Drainage

Project Experience

Project Engineer, Carriage Grove Phase 1A & 1B, Belchertown, Massachusetts. Provide site engineering services for a 108 unit housing development (Phase 1A) and supporting renovations to a historic building (Phase 2B). Project tasks include layout, site grading, stormwater management, sediment and erosion control.

Project Engineer, Kings Corner Culvert Replacement, Halwey, Massachusetts. Provide site engineering services for the replacement of an existing culvert under West Hawley, Road (Route 8A) in Hawley, MA.

Project Experience Prior to GZA

SVE Associates

Project Manager, NUPRO, LLC., Deerfield, Massachusetts. Provide civil site design and permitting services for a 10,000+ SF Manufacturing building in the Town of Deerfield. Project tasks included the layout, stormwater management and permitting of the project through the Select Board and Conservation Commission.

SVE Associates

Project Engineer, Treehouse Deerfield, One Community Place, Deerfield, Massachusetts. Provide site, stormwater design and permitting services for multiple phases of the redevelopment of One Community Place in Deerfield. Tasks included the layout, site grading, and stormwater management for the site improvements for Treehouse's Phase 2 redevelopment of the property. Also provide design and permitting for a pedestrian trail and pedestrian stream crossing.

SVE Associates

Staff Engineer, Condominiums at Sugarloaf, Deerfield, Massachusetts. Provide civil site design and construction support of a 35 Lot senior housing subdivision on 22 Ac of land at the base of Sugarloaf Mountain in Deerfield, Massachusetts. Site design included +/-3,100 LF of roadway, with associated sanitary, sewer, water and stormwater

Mark Stadnicki, P.E.

Assistant Project Manager

management, soil exploration to estimate the seasonal high groundwater for the MassDEP Stormwater Management Standards, provide construction layout.

SVE Associates

Project Engineer, Green River Building, Greenfield, Massachusetts. Provide civil site design and permitting services for a redevelopment project of an old grocery store Pioneer Valley Community Action. Tasks included providing site layout design, site grading, site plan development, and permitting of the project with the Planning Board and Conservation Commission.

SVE Associates

Project Engineer, Greenfield Municpal Parking Garage, Greenfield, Massachusetts. Provide civil design of the relocation of existing utilities around the proposed site of the municipal parking garage. Provide site layout, grading, stormwater design, and construction specifications for the project.

SVE Associates

Engineer, NEXAMP, Various Sites, Massachusetts. Provide an array of services that ranged from civil site design, permitting, and construction support/layout at various NEXAMP project sites throughout Massachusetts.

TOWN OF GRANBY

MEMORANDUM **DATE:** December 31, 2024

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Granby Town Manager

REGARDING: **Communications System Agreement - Background & Approval**

Background:
In February of 2018, the Town of Granby Radio System Committee was created. The charge of the committee was to provide an assessment of the Emergency Radio System that the Granby Police, Lost Acres Fire Department, Granby Public Works, Granby Ambulance, and Granby CERT all rely on.

Based on the committee's work, it was determined that the existing emergency radio system experiences coverage issues, that in many cases we're relying on obsolete equipment, and in general, the system has reached its useful life and needs to be replaced.

This assessment and determination spanned over several years, different administrations, and different administrators, but substantial progress was made with Lost Acres Fire Chief John Horr, Jr. leading the project.

In May of 2021, based on the results of a Town of Granby issued Request for Quotations (RFQ), Marcus Communications was engaged to begin the formal assessment of the radio communications system in order to identify a preferred replacement option. This review/assessment process lasted for two years, or into early 2023.

In May of 2023, a Request for Proposal (RFP) was issued to replace the radio communications system. The RFP was based on the technical proposal specification work completed by the Town from 2021 to 2023.

At the same time, Federal Engineering, based on a separately issued RFP and due to the sophisticated technical nature of the project, was hired to assist the Town with the analysis of the bids received to replace the radio communications system. Federal Engineering is a technical consulting firm specializing in the engineering and design of radio communications equipment.

After extensive analysis by the Town, assisted by Federal Engineering, Marcus Communications was selected as the provider of the various emergency communications equipment and installation at an estimated cost of $4.6 million.

In April of 2024, the voters of the Town of Granby favorably approved of the allocation of capital monies set aside within Fund Balance to allow the Town of Granby to execute a contract with Marcus Communications. With funding in place, the contract negotiation between the Town of Granby and Marcus Communications was completed by Lost Acres Fire Chief John Horr, Jr.

That contract was reviewed by Attorney Joseph Fortner from the firm of Halloran and Sage and is attached for your review and approval.

In order for the Town of Granby to move forward and execute the contract between the Town and Marcus Communications, the following motions are needed.

Approval: The following motions are needed from the Board of Selectmen:

1. Move that the Board of Selectmen approve the Communications System Agreement between the Town of Granby and Marcus Communications, LLC in the amount of $3,977,306.22 and direct the Town Manager to execute all documents necessary to facilitate the agreement.

2. Move that the Board of Selectmen direct the Town Manager to extend the January 30, 2024 Consulting Agreement with Federal Engineering at the same terms and conditions of the original agreement with a not to exceed amount of $50,000 in order to continue to rely on their technical expertise and experience as the Town begins the process to replace the townwide emergency communications system with an anticipated completion date of May 2026.

If you have any questions on the aforementioned summary or motions, I will be on hand to answer any questions. Thank you.

COMMUNICATIONS SYSTEM AGREEMENT
BETWEEN TOWN OF GRANBY CONNECTICUT AND MARCUS COMMUNICATONS, LLC

THIS AGREEMENT ("Agreement") is made as of the _____ day of _____, 2024 (the "Effective Date") by and between Town of Granby a municipal corporation under the laws of the State of Connecticut, with a mailing address of 15 North Granby Road, Granby, CT 06035 ("Customer"), and Marcus Communications, LLC, a Connecticut Limited Liability Company with an address of PO Box 1498, 33 Mitchell Drive Manchester CT 06045 ("Vendor"), who are collectively referred to as the "Parties", setting forth the terms by which Customer will purchase and Vendor will provide Customer with a Communications System.

Section 1 EXHIBITS

The Exhibits below are hereby fully incorporated by reference into this Agreement. In interpreting this Agreement and resolving any ambiguities, the requirements as stated in the Request for Proposals, which is fully incorporated by reference into this Agreement, including all addendums issued, will be the primary source for the terms of the Parties, followed by this Agreement. If any conflicts or ambiguities remain, they will be resolved in the order in which the Exhibits appear below.

Exhibit A Town of Granby Proposed System Diagram
Exhibit B Software Sublicense
Exhibit C Equipment List
Exhibit D Warranty
Exhibit E Training
Exhibit F Coverage Verification Test
Exhibit G System Test Plans
Exhibit H Indemnification and Insurance
Exhibit I Marcus RFP Response (incorporated by reference)
Exhibit J Town of Granby RFP
Exhibit K Schedule – TBD based on site approvals
Exhibit L Project Management Plan
Exhibit M Optional Warranty Years
Exhibit N Base Price Summary – See Exhibit C?
Exhibit O System Support Plan

Section 2 DEFINITIONS

Terms that are undefined shall have their ordinary meaning. For the purposes of this Agreement and any Exhibits, attachments, or addenda the following defined terms, phrases, words and their derivations shall have the meaning provided below. When not inconsistent with the context in which the word is used, words used in the present tense include the future, words in the plural include the singular, words in lower case shall have their defined meaning even if the words are not capitalized, and words in the singular include the plural.

2.1. Communications System or System: means the communications system described in Exhibit A, including the Equipment and Software described in the System Description provided in our RFP response and the updated Exhibit C Equipment List.
2.2 Equipment: means the equipment specified in the Equipment List included in Exhibit C.
2.3 Software: means any software that may be furnished (including by assignment or sublicense) with the Communications System.

Section 3 SCOPE OF AGREEMENT

A. SCOPE OF WORK. Vendor will provide such services (the "Integration Services") as are necessary to create, deliver, install and test the Communications System at designated sites, as specified in Exhibit A and in accordance with this Agreement. Customer will perform its responsibilities as specified herein and in accordance with this Agreement. Integration services including the following specific items that will be detailed in the Final design drawings and documents (which will be completed per the schedule and documented in the final Design Document Review (DDR)) :

- The vendor will install a 4-site, 2-channel, UHF P25 system for the Police Dept, 4-site, 1-channel, UHF P25 system for GAA, a 4-site, 2-Channel, VHF analog system (AS-IP) for the Fire Dept, a 2-site VHF P25 system for the DPW, and a single VHF P25 repeater for the CERT Team and a new two (2) position AVTEC console system and console furniture.
- The Vendor will replace the existing carpeting and the base molding in the dispatch center.
- Vendor will install and program new mobile radios in all customer Police Department, Fire Department, EMS and Public Service/Work's vehicles as specified in the equipment list.
- Vendor will provide and program all new portable radios for Police Department, Fire Departments, EMS, CERT Team and Public Service/Works as specified in the equipment list.
- Vendor will install new base stations for Police Department, Fire Departments, EMS and Public Service/Works as specified in the equipment list.
- The Town is responsible for all the tower site permissions and any applicable rents and fees. Vendor will perform structural evaluations on the Town Hall tower and Mountain Road tower.
- The Vendor will hire a licensed electrician for all of the new radio system requirements.

B. CHANGE ORDERS. Vendor shall make all such revisions and changes in the completed work of this Agreement as are necessary to correct errors appearing therein which affect the system functionality, when required to do so by Customer, without additional compensation. Changes requested by Customer, which materially increase or decrease the cost of or time required for the performance of this Agreement, must be submitted on a written change order. The Parties will agree to an equitable adjustment in the Agreement price or performance schedule, or both. Vendor is not obligated to comply with requested changes unless and until both parties execute a written change order. A copy of the Vendor standard change order form has been included at the end of this Agreement as Attachment A.

Should Customer find it desirable for its own purposes to have previously satisfactorily completed work or parts thereof revised, the Vendor shall make such revisions, if requested and as directed by Customer in writing. This work shall be considered as Extra Work and will be paid for as provided in Section 3.C.

C. EXTRA WORK. Customer may desire to have Vendor perform work or render services in connection with the Agreement in addition to or other than work provided for by the expressed intent of the Scope of Work. Such work will be considered as Extra Work and will be specified in a written supplement which will set forth the nature and scope thereof. Work under a supplement shall not proceed until authorized in writing by Customer. Any dispute as to whether work is Extra Work or work already covered under this Agreement shall be resolved before the work is undertaken. Performance of the work by Vendor prior to resolution of any such dispute shall waive any claim by Vendor for compensation as Extra Work.

D. MAINTENANCE SERVICE. Following System Acceptance, maintenance services and support can be provided pursuant to the terms of a System Support Plan (Exhibit O). Vendor has provided a quote for this if Customer would like to purchase maintenance.

E. SOFTWARE. Any Software furnished by Vendor will be subject to the terms and restrictions of its copyright owner unless such copyright owner has granted to Vendor the right to sublicense such Software, in which case the Software Sublicense Agreement (including any addendum to satisfy such copyright owner's requirements) shall apply (see Exhibit B).

Section 4 PERFORMANCE SCHEDULE

A. Vendor and Customer agree to perform their responsibilities in accordance with the Project Schedule which shall be mutually agreed upon by the Parties to this Agreement and shall be Included in the Schedule, Exhibit K.

B. By the Customer's acceptance of the final design review documents, Customer authorizes Vendor to proceed with the ordering of Equipment, assembly, integration, delivery, installation, and testing of the Communications System. No further notice to proceed, purchase order, authorization, resolution, or any other action will be required.

Section 5 PAYMENT SCHEDULE

The total contract price is **$3,977,306,22** (the "Contract Price"). Customer agrees to make payments to Vendor within thirty (30) business days after the date of invoices that will be submitted by Vendor according to the following payment schedules:

10% at contract execution
10% upon successful completion and acceptance by TOG of the Document Design Review (DDR)
5% upon successful completion of tower site engineering documents (Mountain Road)
5% upon completion of tower foundation (Mountain Road)
5% upon completion of new construction tower site (Mountain Road)
15% upon receipt and inventory of equipment to Marcus Communications
10% upon sites equipment installation
10% upon subscriber equipment installation
20% upon successful completion of acceptance testing/system acceptance
10% upon final system acceptance

Customer and Vendor can mutually agree on modified payment terms due to schedule changes and/or Customer needs.

Cost of bond (if required) to be billed outside of payment schedule.

Invoices, in accordance with the payment schedule, will be billed and due 30 business days from date of issue.

Optional contract incentives Marcus Communications offered at time of bid:

- We can provide CERT radios immediately using our exclusive frequencies, loaner repeater system and radio subscriber equipment. This will allow the CERT staff to begin operating on their own equipment on their own repeater channel well before the new system is constructed. Offered at no additional cost.
- The same can be offered to the DPW staff by again using our large stock of loaner frequencies and equipment to provide radios that would give them statewide coverage and a full GPS and OTAP suite of features. Offered at no additional cost.
- We can also provide a low budget solution for the second talk group for the PD that will not require the town to find another UHF frequency.

Section 6 INSTALLATION AND SITE CONDITIONS

A. In addition to its responsibilities described in our RFQ response (Exhibit I), Customer agrees to provide a designated project manager to assist Vendor in the procurement of any necessary construction permits, building permits, zoning variances and the like, provide access to the sites identified in the Exhibits as requested by Vendor, and have such sites available for installation of the Equipment by Vendor in accordance with the project schedule. The Vendor will prepare and submit any such permits and/or variances.

B. If Vendor and Customer determine, and mutually agree that during the course of performance of this Agreement that the sites identified in the Exhibits are no longer available or desired, or, if subsurface, structural, adverse environmental or latent conditions at any site differ from those indicated on the specifications in the Exhibits, Vendor and Customer will promptly investigate the conditions and jointly select replacement sites or adjust the installation plans and specifications as necessary. Changes to the sites identified will be documented in a Change Order.

C. If Customer and Vendor determine that any change in sites, site availability, installation plans, or specifications will require an adjustment in the contract price or in the time required for the performance of this Agreement, the parties will agree to an equitable adjustment in the price, performance schedule, or both; and this Agreement will be modified by executing a Change Order.

D. Vendor has designated a Project Manager who shall be the primary contact between Customer and the Vendor. The Project Manager shall bear full responsibility for supervising and coordinating the design, installation, and testing of the turn-key communications system described in this specification. It shall also be the responsibility of this individual, as a minimum, to ensure completeness of the material lists, correct equipment failures in a timely manner, and participate in the performance of the acceptance testing, or as directed by Customer's Project Managers. The Project Manager shall be employed by Vendor. The Project Manager shall be replaced only if he/she leaves the employ of the vendor, or if this individual is identified by Customer as having failed to meet Customer's requirements. Customer requires that the Vendor notify Customer in writing with at least 14 business days in advance should a substitution for the project manager be required. The Project Manager must have a proven record of successful performance in similar projects. Replacement of the Project Manager is subject to the review and approval of the Customer. The Customer reserves the right to reject any proposed replacement Project Manager.

Section 7 TRAINING

Exhibit E describes the Training included with the Communications System. Customer agrees to notify Vendor immediately if a date change for a scheduled training program is required. If training delays imposed by Customer extend delivery or completion dates, Vendor will not be held responsible.

Section 8 SYSTEM ACCEPTANCE

A. Vendor will test the Communications System in accordance with the System Test Plans Exhibit G and Coverage Verification Test Plan Exhibit F to ensure the system is operating to the manufacturer's specifications and to any applicable FCC requirements. System acceptance will occur upon the successful completion of such testing ("System Acceptance") at which time both Parties shall promptly execute a certificate of system acceptance. If the Acceptance Test Plan includes separate tests for individual subsystems, both Parties shall promptly execute certificates of subsystem acceptance upon the successful completion of testing of such

subsystems. Final payment is defined in the payment schedule found in Section 5 for all of the major components. Minor omissions or variances which do not materially affect the operation of the Communications System as a whole will not postpone System Acceptance. Customer and Vendor will jointly prepare a list of such omissions and variances which Vendor will correct according to an agreed upon schedule.

B. Vendor agrees to notify Customer when the Communications System is ready for acceptance testing. Vendor and Customer agree to commence acceptance testing as determined in accordance with time lines set forth in the Project Schedule. If testing is delayed for more than 30 calendar days for reasons within the control of Customer or its contractors, agents and consultants, other than Vendor, for a time period longer than that set forth in the Project Schedule, a negotiated partial payment will be made not later than 30 calendar days after Vendor notifies Customer that the Communications System is ready for acceptance.

C. Vendor will issue written authorization for Customer's use of the Communications System for limited training or testing purposes, prior to the completion of testing by Vendor. Vendor will issue this signed document giving Customer permission for initial testing for up to one week from receipt of letter. The Parties may jointly extend this period if necessary.

When System Testing is completed by Vendor, written authorization will be issued indicating Customer can begin full utilization of the system. Any substantial use of the Communications System without prior written authorization by Vendor shall constitute System Acceptance. Under no circumstances will Customer allow any other vendor (other than those approved by Vendor) to perform work on any part of the system.

D. Validation of System Availability: During Final Acceptance Testing and during Operational System Testing, the radio system shall be monitored for faults and proper operation, All periods of system non-availability shall be carefully documented and the failure mechanisms identified and reported to the Town.

Periods of system non-availability shall be limited to actual hardware or software malfunctions. System errors or failures arising solely out of operator errors indicate Customer difficulties and shall not count against system availability.

Section 9 WARRANTY

A. WARRANTY PERIOD. The warranty on all equipment shall be in accordance with the specifications. All warranty, maintenance and system upgrades will be provided in accordance with the specifications and requirements. The warranty period will commence upon acceptance of the system as defined in Section 8.

B. SYSTEM FUNCTIONALITY. Vendor represents that the Communications System will satisfy the functional requirements in Exhibit A and others as called out in the RFQ, including coverage predictions. Vendor does not warrant that the Systems will operate uninterrupted or error-free but will satisfy the functional requirements of the simulcast systems. Vendor will not be responsible for performance deficiencies of the System caused by ancillary equipment not furnished by Vendor attached to or used in connection with the System provided hereunder. Additionally, Vendor will not be responsible for System performance where the functionality is reduced for reasons beyond Vendor's control including but not limited to i) an earthquake, adverse atmospheric conditions or other natural causes; ii) the construction of a building that adversely affects the microwave path reliability or RF coverage; iii) the addition of additional frequencies at System sites that cause RF interference or intermodulation; iv) Customer changes the load usage and/or configuration outside the parameters specified in Exhibit A; v)

any other act of parties, who are beyond Vendor's control, including Customer or its employees, contractors, consultants or agents.

EQUIPMENT WARRANTY.
Warranty is as requested in the RFQ and covered/quoted by Marcus. Warranty coverage starts at Date of Acceptance.

C. SOFTWARE WARRANTY. Software is warranted in accordance with the terms of the Software Sublicense Agreement attached as Exhibits B.

THESE WARRANTIES ARE GIVEN IN LIEU OF ALL OTHER WARRANTIES. VENDOR DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL VENDOR BE LIABLE FOR DAMAGES IN EXCESS OF THE CONTRACT PRICE, OR , LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE SYSTEM, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. NOTHING IN THIS PARAGRAPH SHALL LIMIT VENDORS LIABILITY WITH RESPECT TO INDEMNITY OR THIRD-PARTY CLAIMS.

Section 10 FCC LICENSES AND AUTHORIZATIONS

Customer agrees to obtain all Federal Communications Commission ("FCC") licenses (with Vendor support) and authorizations required for installation and use of the Communications System prior to the scheduled installation of the Equipment. As part of the standard services Vendor will provide to Customer, Vendor will take care of the preparation and submittal of the initial FCC license modification application for all the channels being used in this system.

If Vendor is requested to assist in the preparation, modification, or amendment of any additional work outside of the scope as outlined in the RFQ response for license applications, a change order will be executed to define the scope of work, deliverables, billable price and payment terms. In no event will Vendor or any of its employees be an agent or representative of Customer in FCC matters. As the applicant, Customer is solely responsible for obtaining all FCC licenses and for complying with FCC rules.

Section 11 DELAYS

A. Successful project implementation will require cooperation and fairness between the Parties. Because it is impractical to provide for every contingency which may arise during the course of performance of this Agreement, the Parties agree to notify the other if they become aware that any condition will significantly delay performance. The Parties will agree to reasonable extensions of the project schedule by executing a written change order.

B. Under no circumstances will either party be responsible for delays or lack of performance resulting from events beyond the reasonable control of that party ("Excusable Delays"). Such events include, but are not limited to, acts of God, pandemics, weather conditions, governmental action, bid protests, fire, strikes, lockouts, and other labor disruptions, material shortages, riots, acts of war. Non-performance will be excused only to the extent that any of the force majeure events actually cause the delay, and then only for the period when they do cause that delay, and only if the Party claiming force majeure gives notice to the other party and has exercised reasonable care in attempting to perform its obligations under this Contract.

C. Customer will make available to Vendor the sites when scheduled and Customer will not otherwise unreasonably delay or prevent Vendor's performance of its responsibilities. In the event of a Customer delay during the time of shipment, Vendor may ship the Equipment as scheduled to a

location as designated by Customer or if no such location is designated, a Vendor designated storage facility for which Customer agrees to. If Customer materially delays Vendor's performance, the performance schedule will be extended, Customer will make the milestone payments as if no delay occurred, and the Parties will execute a Change Order to compensate Vendor for reasonable charges incurred because of such delays. Such charges include, but are not limited to, costs incurred by Vendor and/or its subcontractors for additional freight, warehousing and handling; suspending and re-mobilizing the work; additional engineering and standby time calculated at then current man-day rates; and preparing and implementing a "work around" plan.

Section 12 DEFAULT

A. If Vendor fails to complete delivery, installation or acceptance testing in accordance with this Agreement, Customer may find Vendor to be in default, unless such failure has been caused by an Excusable Delay. Customer agrees to give Vendor written notice of such default. Vendor will have thirty (30) calendar days from the receipt of such notice to cure the default, or such longer period of time as shall be reasonably necessary to cure the default provided vendor and its suppliers are proceeding with reasonable diligence.

B. If Vendor fails to cure the default, Customer may terminate any unfulfilled portion of this Agreement. If Customer completes the Communications System through a third-party, Customer may recover the reasonable costs of completing the Communications System to a capability not exceeding that specified in the Agreement, less the unpaid portion of the Contract Price. Customer agrees to use its best efforts to mitigate such costs.

C. THE REMEDIES PROVIDED IN THIS SECTION OF THE AGREEMENT WILL BE THE FULL EXTENT OF VENDOR'S LIABILITY IN THE EVENT OF DEFAULT.

Section 13 INDEMNIFICATION AND INSURANCE

A. Vendor agrees to comply with the indemnification and insurance requirements specified in the attached Indemnification and Insurance Exhibit ("Exhibit H") and incorporated herein by reference and project bonding requirements as stated in the RFP. Failure to comply with any of the indemnification and insurance requirements may be held a willful violation and basis for immediate termination of the Contract.

B. PATENT AND COPYRIGHT INFRINGEMENT. Vendor represents and warrants that it is licensing or sublicensing to Customer all rights to patents or copyrights, necessary for Customer to own/operate and use the System. Vendor will defend, at its own expense, any suit brought against Customer to the extent that it is based on a claim that the Vendor, or the system software components or equipment (individually or in combination), written materials, or the methods of operation, provided by Vendor infringe upon a United States or foreign patent or copyright, and Vendor will pay those costs and damages finally awarded against Customer in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following: i) Vendor must be notified promptly in writing by Customer of any notice of such claim; ii) Vendor will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and iii) should the System become, or in Vendor's opinion be likely to become, the subject of a claim of infringement of a United States patent or copyright, Customer will permit Vendor, at its option and expense, either to procure for Customer the right to continue using the System or to replace or modify the same so that it becomes non-infringing, or substitute other components that substantially conform to the various specifications and the other requirements stated in this Agreement as regards the System.

If none of the foregoing alternatives is reasonably available to Vendor and the System will not yet have been installed, Vendor may (A) provide Customer with a proposal for a new system design comprised of new components in order to make it non-infringing (which proposal may be rejected

by Customer in its sole discretion), or (B) terminate this Agreement upon thirty (30) day's written notice to Customer , in which case Vendor shall refund to Customer all the Contract Price that was paid to Vendor by Customer for the System and Customer will return or permit Vendor to remove all Equipment related to the System to Vendor. Vendor will have no liability with respect to any claim of patent or copyright infringement which is based upon the combination of the Equipment, Software or Integration Services furnished hereunder with respect to software, apparatus or devices not furnished or manufactured by Vendor, nor will Vendor have any liability for the use of ancillary equipment or software not furnished by Vendor which is attached to or used in connection with the Equipment. If none of the foregoing alternatives is reasonably available to Vendor and the System will have been installed, Vendor will provide Customer with a new system that substantially conforms to the various specifications and other requirements stated in this Agreement.

The foregoing states the entire liability of Vendor with respect to infringement of patents and copyrights by the System or any parts thereof.

C. Vendor's indemnification of Customer under this Section will be the full extent of Vendor's indemnification of Customer from liabilities that are in any way related to Vendor's performance under this Agreement.

Section 14 INSURANCE

This section removed and merged with Section 13.

Section 15 DISPUTES

Any disagreement between the Parties under this agreement which is not resolved by the Parties shall be determined by litigation instituted exclusively in the Superior Court situated in the State of Connecticut.

Section 16 LIMITATION OF LIABILITY

Notwithstanding any other provision to this Agreement, except for personal injury or death, Vendor's total liability, whether for breach of contract, warranty, negligence, strict liability in tort, or otherwise, will be limited to the direct damages recoverable under law, provided, however, that with regard to liability for indemnification, "direct damages" shall include reasonable attorneys' and other costs of defense IN NO EVENT WILL VENDOR BE LIABLE FOR ANY LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS, OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO OR ARISING FROM THIS AGREEMENT, THE SALE OR USE OF THE SYSTEM, OR THE PERFORMANCE OF SERVICES BY VENDOR PURSUANT TO THIS AGREEMENT. This Limitation of Liability will survive the expiration or termination of this Agreement. Nothing in this Section 16 shall limit the Town's rights in Exhibit H.

Section 17 CHRO / Prevailing Wage / Expectations

A. The Vendor agrees that all persons working on behalf of the Vendor shall obey the rules and regulations established by the Customer and shall obey the reasonable directions of the Customer's employees. The Vendor shall be responsible for the acts and conduct of its employees, subcontractors, and agents while on the Customer's premises. The Vendor shall take all necessary measures to prevent injury and loss to persons and property located on the Customer's premises. The Vendor shall be responsible for all damages to persons or property caused by the Vendor, its employees, subcontractors, and agents. The Vendor must give the Customer written assurance that no employees of the Vendor or its subcontractors have criminal records of such nature that would place at risk employees of the Customer. The Customer

reserves the right to approve and /or reject any personnel assigned to any phase of the Project for any reason the Customer deems appropriate in its sole discretion.

B. If the Agreement entails any exposure to or a potential release of a regulated material, including, but not limited to, asbestos or lead, Vendor certifies that it and each of its subcontractors and their employees shall be certified and trained under all OSHA and other relevant regulations for such Work.

C. State, federal, or other grant programs may fund some or the entire Contract. The Vendor acknowledges that such funding programs may include contractual provisions binding on contractors and which may, for example, require audits or certifications under oath that the Vendor has not been debarred, suspended, or excluded from any publicly funded project or programs.

D. Vendor is required to comply with all provisions of the Civil Rights Act of 1964, the Equal Employment Opportunity Act of 1972, Executive Orders 11246, 11375, 11478 and, if applicable, the Connecticut Fair Employment Practice Law.

E. Pursuant to Conn. Gen. Stat. Sect. 4a-60, the Vendor agrees and warrants that, in the performance of the Agreement, the Vendor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation or physical disability, including, but not limited to, blindness, unless it is shown by the Vendor that such disability prevents performance of the Work involved, in any manner prohibited by the laws of the United States or the State of Connecticut. The Vendor further agrees to take affirmative action to insure that applicants with job related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation, or physical disability, including, but not limited to, blindness, unless it is shown by such Vendor that such disability prevents performance of the work involved; (2) the Vendor agrees, in all solicitations or advertisements for employees placed by or on behalf of the Vendor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Connecticut Commission on Human Rights and Opportunities; (3) the Vendor agrees to provide each labor union or representative of workers with which such Vendor has a collective bargaining agreement or other contract or understanding and each vendor with which such Vendor has a contract or understanding, a notice to be provided by the commission advising the labor union or workers' representative of the Vendor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; (4) the Vendor agrees to comply with each provision of section 4a-60 and section 46a-56, 46a-68e, and 46a-68f; (5) the Vendor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the commission and permit access to pertinent books, records and accounts concerning the employment practices and procedures of the Vendor as related to the provisions of this section and section 46a-56. The Vendor shall comply with all applicable affirmative action, equal opportunity and CHRO requirements as provided by applicable law or regulation.

F. If the Contract Price as set forth herein is above the then-applicable prevailing wage threshold, then this Agreement shall be subject to prevailing wages as defined by Connecticut law, section 31-53, as amended. The Vendor shall include the costs of such wages in the Contract Price. The wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of this section, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any vendor who is not obligated by agreement to make payment or contribution on behalf of

such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day

G. If the Vendor is a non-resident contractor, then the Vendor and Customer shall comply with all laws established by the State of Connecticut for such non-resident contractors. In accordance with Conn. Gen. Stat. § 12-430 (7), the Vendor shall provide proof to the Customer that the Vendor has posted a 5% surety bond with the State of Connecticut Department of Revenue Services to secure the payment of all sums due to the State of Connecticut from Vendor and any subcontractor that performs work or services pursuant to this Agreement, until such bond is released by the Department of Revenue Services. The Vendor shall also comply with the provisions of Conn. Gen. Stat. § 12-430 (7) with respect to payment to any non-resident subcontractors which the Vendor may retain for the Project.

Section 18 GENERAL

A. EQUIPMENT TITLE. In the event of Vendor insolvency or if the Vendor fails to cure a default, Customer shall have the option for each piece of equipment which has been delivered to the site (and for which payment has been made) to either take title and possession, or to require that Vendor or its assignee retake possession of the piece of equipment and refund all monies paid for that particular equipment.

B. RISK OF LOSS. Risk of loss will pass to Customer upon delivery of equipment at Customer location.

C. TAXES. The Contract Price does not include any amount for federal, state, or local excise, sales, lease, service, rental, use, property, occupation, or other taxes, all of which (other than federal, state, and local taxes based on Vendor's income or net worth) will be paid by Customer except as exempt by law. If Vendor is required to pay or bear the burden of any such taxes, Vendor will send an invoice to Customer and Customer will pay to Vendor the amount of such taxes (including any interest and penalties) within thirty (30) business days after the date of the invoice. Customer will be solely responsible for reporting the Equipment for personal property tax purposes.

D. CONFIDENTIAL INFORMATION. Neither Party will disclose any material or information identified by the disclosing Party as proprietary and confidential to third parties without the disclosing Party's prior written permission, unless the disclosing Party makes such material or information public or disclosure is required by law. If receiving Party is required by law to disclose such material or information, receiving Party will notify the other Party prior to such disclosure.

E. GRANT OF LICENSE. Vendor grants a perpectual, full paid up, non-terminable, transferrable license to any patents, patent applications, copyrights, trademarks, trade secrets or other intellectual property of Vendor that is incorporated in, or deemed necessary for the system by the Vendor.

F. ASSIGNABILITY. This Agreement may not be assigned by either party without the prior written consent of the other party, which will not be unreasonably withheld.

G. WAIVER. Failure or delay by either party to exercise any right or power under this Agreement will not operate as a waiver of such right or power.

H. SEVERABILITY. If any portion of this Agreement is held to be invalid or unenforceable, that provision will be considered severable and the remainder of this Agreement will remain in full force and effect as if the invalid provision were not part of this Agreement.

I. HEADINGS AND SECTION REFERENCES. The headings given to the sections of this Agreement are inserted only for convenience and are not to be construed as part of this Agreement or as a limitation of the scope of the particular Section to which the heading refers.

J. ORDER OF PRECEDENCE. In the event of any conflict between terms of this Communication Agreement and its Exhibits, the terms of the Exhibits shall control to the extent of any inconsistency.

K. ENTIRE AGREEMENT. This Agreement (including the Exhibits, Schedules and Attachments) constitutes the entire agreement of the Parties regarding the subject matter of this Agreement and supersedes all previous agreements and understandings, whether written or oral, relating to such subject matter. This Agreement may be altered, amended, or modified only by a written instrument signed by the duly authorized representatives of both parties.

L. GOVERNING LAW. This Agreement will be governed by and construed in accordance with the laws of the State of Connecticut.

M. NOTICES. Notices authorized or required under this Agreement must be in writing and sent to the below addresses:

Town of Granby
15 North Granby Road
Granby, CT 06035

Marcus Communications, LLC
Attn: Legal Department
33 Mitchell Drive
P.O. Box 1498
Manchester, CT 06045

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the Effective Date.

IN WITNESS WHEREOF:

Town of Granby, CT

By: _____

Name: _____

Title: _____

Date: _____

Marcus Communications, LLC

By: _____

Name: Bruce Marcus

Title: CTO / General Partner

Date: _____

AUTHORITY AND INCUMBENCY CERTIFICATE - Customer

THIS INCUMBENCY CERTIFICATE ("Certificate") is given in connection with the execution and delivery of the Communication System Agreement ("Agreement") dated the _____ day of _____, 2024, by and between Town of Granby, a municipal corporation under the laws of the State of Connecticut, with a mailing address of 15 North Granby, CT 06035 ("Customer"), and Marcus Communications, LLC, a Connecticut Limited Liability Company ("Vendor"), who are collectively referred to as the "Parties."

The undersigned of Customer, certifies that he/she is the duly appointed and qualified authority of Customer and that he is authorized to execute this Certificate on behalf of Customer, and further certifies that:

1. Authorized. Customer is authorized to execute, deliver and perform under the Agreement.

2. Incumbency and Authority. Each of the persons whose name, title and signature appears below is qualified and authorized to act on behalf of Customer, is authorized to execute agreements on behalf of and bind Customer, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Town	Signature
_____	Town of Granby	_____

3. Project Manager. The person whose name, Customer and signature appears below is designated by Customer as Customer's Project Managers under the Agreement until such person is removed or resigns, at which time Customer shall designate in writing a New Project Manager, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Town	Signature
_____	Town of Granby	_____

4. Change Orders. Each of the persons whose name, title and signature appears below is qualified and authorized to act on behalf of Customer, is authorized to enter into Change Orders under the Agreement, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Town	Signature
_____	Town of Granby	_____

IN WITNESS WHEREOF, this Certificate has been executed and delivered as of this ___ day of _____, 2024

THE TOWN OF GRANBY OF THE STATE OF CONECTICUT

Name	Town	Signature
_____	Town of Granby	_____

AUTHORITY AND INCUMBENCY CERTIFICATE - Vendor

THIS INCUMBENCY CERTIFICATE ("Certificate") is given in connection with the execution and delivery of the Communication System Agreement ("Agreement") dated the _____ day of _____, 2024, by and between Town of Granby, a municipal corporation under the laws of the State of Connecticut, with a mailing address of 15 North Granby Road Granby, CT 06035 ("Customer"), and Marcus Communications, LLC, a Connecticut Limited Liability Company ("Vendor"), who are collectively referred to as the "Parties."

The undersigned of Vendor, certifies that he/she is the duly appointed and qualified authority of Vendor and that he is authorized to execute this Certificate on behalf of Vendor, and further certifies that:

1. Authorized. Vendor is authorized to execute, deliver and perform under the Agreement.

2. Incumbency and Authority. Each of the persons whose name, title and signature appears below is qualified and authorized to act on behalf of Vendor, is authorized to execute agreements on behalf of and bind Vendor, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Vendor	Signature
_____	Marcus Communications	_____

3. Project Manager. The person whose name, Vendor and signature appears below is designated by Vendor as Vendor's Project Managers under the Agreement until such person is removed or resigns, at which time Vendor shall designate in writing a New Project Manager, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Vendor	Signature
_____	Marcus Communications	_____

4. Change Orders. Each of the persons whose name, title and signature appears below is qualified and authorized to act on behalf of Vendor, is authorized to enter into Change Orders under the Agreement, and opposite the name of such person is the office of the Company held by such person and his genuine signature:

Name	Vendor	Signature
_____	Marcus Communications	_____

IN WITNESS WHEREOF, this Certificate has been executed and delivered as of this ___ day of _____, 2024

MARCUS COMMUNICATIONS OF THE STATE OF CONNECTICUT

Name	Vendor	Signature
_____	Marcus Communications	_____

Attachment A:

CHANGE ORDER PROCEDURES

The following procedures will be observed for all Change Orders:

1. All Change Orders must be in writing and prepared by Vendor. Vendor may charge a reasonable fee for investigating, preparing or initiating a Change Order at Customer's request. In the event a Change Order is requested, Vendor will notify Customer of charges that may apply before conducting any Change Order investigation and/or preparation.

2. Change Order requests shall be processed as soon as is reasonably possible.

3. All Change Orders shall be in the form attached hereto, and shall be signed by the appointed representatives for each party.

4. The Parties will negotiate in good faith to determine the fee that Vendor will charge for all Changes under the change order process. Customer recognizes that certain change order requests will result in considerable research efforts. Vendor reserves the right to request reimbursement in these instances where significant time has been spent. Customer will not unreasonably withhold reimbursement where Vendor has informed them of probable research costs.

5. Change Orders shall include the following:

    a. A description of any additional work to be performed and/or any changes to the performance required of either party.

    b. A statement of the impact of the work or changes on the deliverables, the acceptance tests or criteria, or other requirements of the Agreement.

    c. The estimated timetable to complete the work specified in the Change Order and the impact, if any, on the delivery schedule, pricing and payments.

    d. The estimated fees required to perform changes.

    e. The documentation to be modified or supplied as part of the work.

    f. Any additional acceptance test procedures for such work.

CHANGE ORDER FORM

Change Order Number _____

1. Describe services or changes requested (attach additional pages if necessary).

Requested by: ___ Town of Granby
___ Marcus Communications, LLC

_____ _____
Date Authorized Signature

Date Logged_____

2. Modifications, clarifications or supplements to description of services or changes requested in paragraph 1 above, if any (attach additional pages if necessary):

3. Project Impact Assessment (to be filled in by Vendor) [Can be done within existing cost and schedule. Cannot be done within current cost and/or schedule. Out of scope of the current work order.]

4. Assignment of necessary personnel and resources (attach additional pages if necessary):

5. Impact on price, delivery schedule, payment schedule, deliverables and acceptance test procedures and criteria (attach additional pages if necessary):

   a. Price:

   b. Delivery Schedule and Payment Schedule

   c. Deliverables

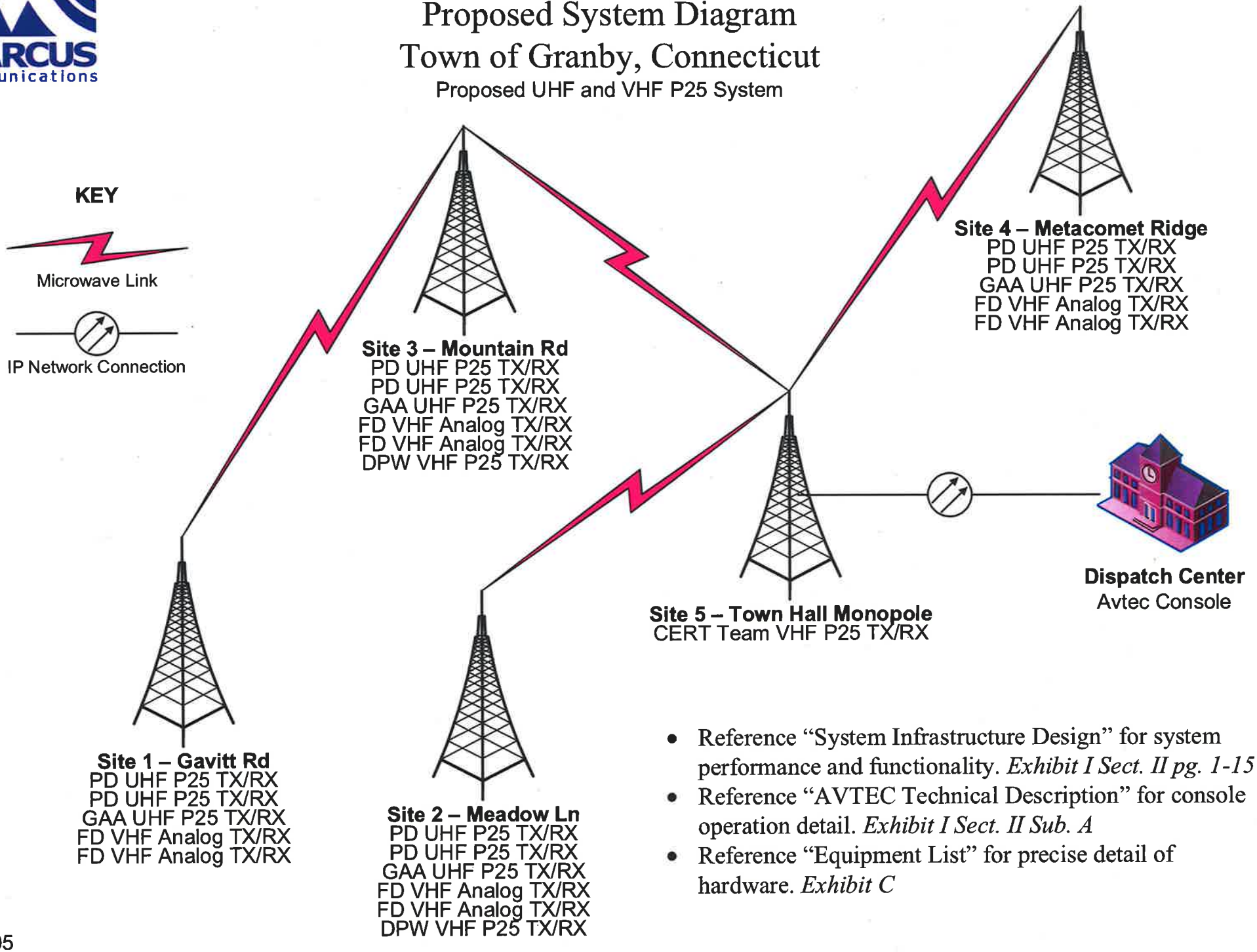
   d. Acceptance Test Procedures and Criteria

Change Order Approved and Accepted

Town of Granby, CT	**Marcus Communications, LLC**
By: _____	By: _____
Name: _____	Name: _____
Title: _____	Title: _____
Date: _____	Date: _____

Exhibit A
Proposed System Diagram
Town of Granby, Connecticut

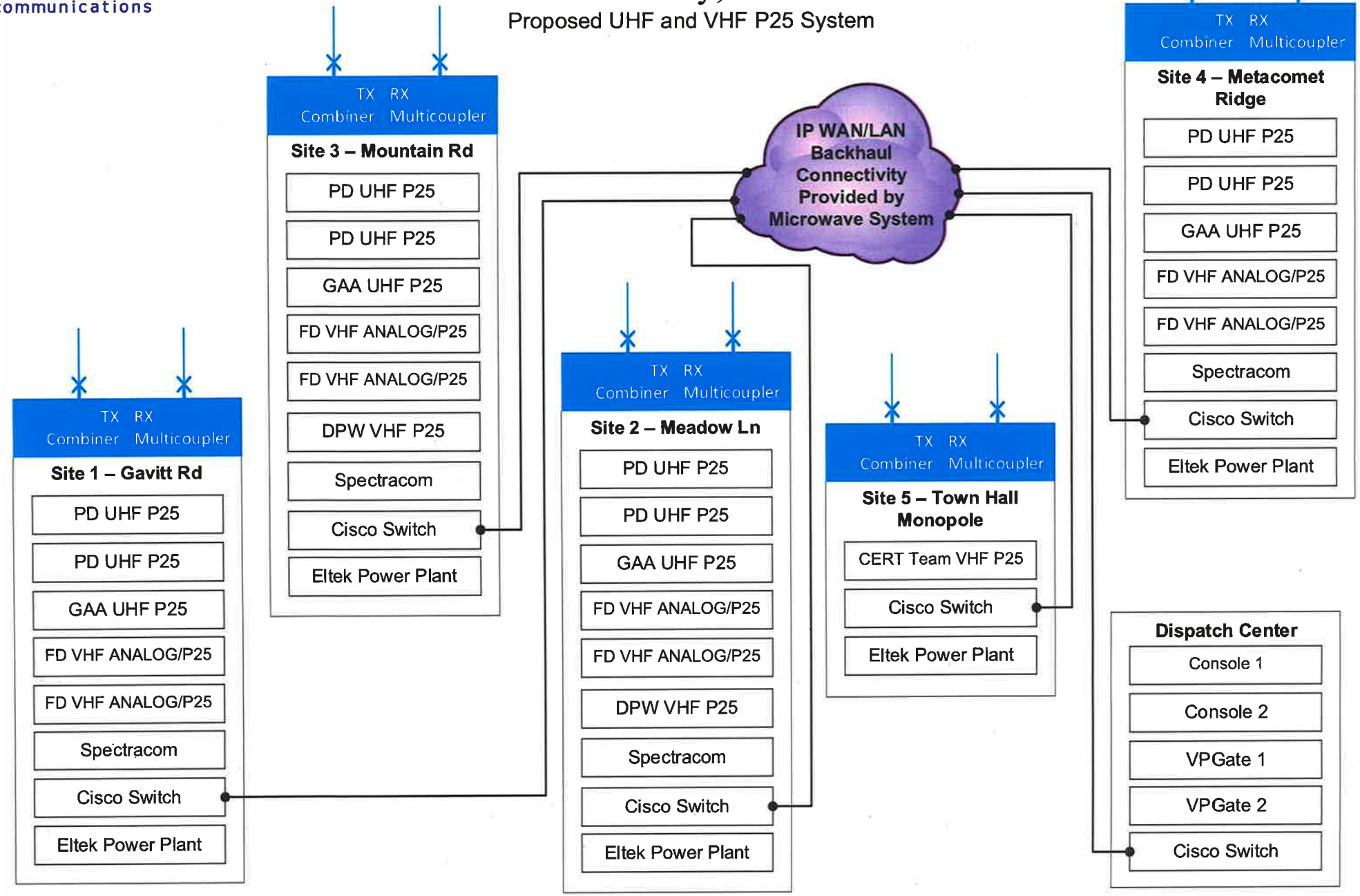
Proposed UHF and VHF P25 System



- Reference "System Infrastructure Design" for system performance and functionality. *Exhibit I Sect. II pg. 1-15*
- Reference "AVTEC Technical Description" for console operation detail. *Exhibit I Sect. II Sub. A*
- Reference "Equipment List" for precise detail of hardware. *Exhibit C*

V1.05

Exhibit A
Proposed Block Diagram
Town of Granby, Connecticut
Proposed UHF and VHF P25 System



V1.05

Exhibit B Software Sublicense Agreement: COMMUNICATIONS SYSTEM AGREEMENT

THIS SUBLICENSE AGREEMENT is made this ____ day of _____, 2024, by and between Marcus Communications, LLC ("Sublicensor") and the Town of Granby("Sublicensee").

RECITALS

A. Sublicensor and Sublicensee are parties to that certain Communications System Agreement herewith (the "System Agreement"), whereby Sublicensor has agreed to provide certain services in connection with the design and installation of a Communications System (as defined in the Communications System Agreement).

B. Sublicensor licenses certain object code from the equipment manufacturers pursuant to that certain License Agreement entered into upon initial installation of firmware and applications (the "License Agreement") between Sublicensor and the equipment manufacturers.

C. Sublicensor desires to sublicense to Sublicensee all rights licensed to Sublicensor under the License Agreement, including the Rights (as defined below), and any and all other rights which Sublicensor holds under the License Agreement.

D. Sublicensee desires to accept such sublicense and license from Sublicensor.

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto, intending legally to be bound, mutually agree as follows:

SECTION ONE DEFINITIONS

The following terms used in this Sublicense Agreement shall have the meanings hereafter set forth:

1.1. License Agreement. "License Agreement" shall mean that certain License Agreements for the equipment manufacturers from time to time thereafter which was initially executed between Sublicensor, in its capacity as a licensee, and the equipment manufacturers as licensor.

1.2. Rights. "Rights" shall mean the rights grant to Sublicensor to use the Software as set forth in the License Agreement.

1.3. Software. "Software" shall mean the object code as defined in both License Agreements with the equipment manufacturers.

SECTION TWO SUBLICENSE

2.1. Grant of Sublicense to Rights. In consideration for the payment of the Contract Price (as defined in the Communications System Agreement), Sublicensor hereby grants to Sublicensee a non-exclusive, fully paid up sublicense in the Rights which Sublicensor holds as a licensee under the License Agreements.

2.2. Term. The grant of the sublicense to Sublicensee shall be perpetual and survive the termination or expiration of the Communications System Agreement.

SECTION THREE IMPROVEMENTS

Subject to Section 4 below, Sublicensor shall automatically be deemed to have tendered into the Rights sublicensed hereunder any and all subsequent Rights which Sublicensor develops or acquires under the License Agreements including, but not limited to enhancements, upgrades and Updates (as defined in the License Agreements) (collectively, the "Improvements"). Sublicensor shall give Sublicensee written notice of the availability of any Improvements. If Sublicensee desires to receive such Improvements, Sublicensee shall provide in writing, to Sublicensor of its desire to receive such Improvements at which time Sublicensor shall provide such Improvements to Sublicensee at the then current pricing.

SECTION FOUR ASSUMPTION OF OBLIGATIONS

4.1 License Agreement. Sublicensee agrees to accept the sublicense to the Rights subject to and in accordance with all provisions of the License Agreements. Sublicensee shall not take any action, or fail to take any action, which will cause Sublicensor to breach any provisions of the License Agreements.

4.2 Delegation. During such time that Sublicensee holds a sublicense to the Rights, Sublicensor shall be deemed to have delegated to Sublicensee, and Sublicensee hereby accepts, all responsibilities imposed upon Sublicensor in its capacity as a licensee under the License Agreements.

SECTION FIVE MISCELLANEOUS

5.1 Notices. Any and all notices or other communications required or permitted to be given under any of the provisions of this Sublicense Agreement shall be in accordance with the provisions of the Communications System Agreement.

5.2 Further Assurances. Each party covenants that at anytime, and from time to time, it will execute such additional instruments and take such further commercially reasonable actions as may be reasonably requested by the other party to confirm or perfect or to otherwise carry out the intent and purposes of this Sublicense Agreement.

5.3 Assignment. This Sublicense Agreement and the rights hereunder may be assigned by either party hereto, provided that the assignee, in a written agreement with the remaining party hereto, assumes all obligations of the assignor hereunder. The assumption of any obligations of a party hereto by another shall not release such party as a primary obligor with respect to any such obligations. This agreement can only be assigned with the written consent of the other party which will not be unreasonably withheld.

5.4 Waiver. Any failure on the part of any party hereto to comply with any of its obligations, agreement or conditions hereunder may be waived by the other party to whom such compliance is owed only by a writing signed by the party to be bound by such waiver. No waiver of any provision of this Sublicense Agreement shall be deemed, or shall constitute a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver.

5.5 Binding Effect. The Sublicense Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and permitted assigns.

5.6 Entire Agreement. This Sublicense Agreement and the Communications System Agreement constitute the entire agreement between the parties hereto relating to the sublicense contemplated hereunder and supersedes and replaces any prior agreements, representations, warranties or communications, whether oral or written, between the parties relating to the transactions contemplated hereby or the subject matter herein.

5.7 Governing Law. This Sublicense Agreement shall be governed by and construed in accordance with the laws of the State of Connecticut. In the event of a failure to perform under this Sublicense Agreement, then the prevailing party shall be entitled to reasonable attorney's fees in addition to costs and necessary disbursements including expert and consulting fees.

IN WITNESS WHEREOF, the parties hereto have executed this Sublicense Agreement on the day and year first above written.

Town of Granby

By: _____

Name: _____

Title: _____

Date: _____

Marcus Communications, LLC (Sub-licensor)

By: _____

Name: Bruce Marcus

Title: CTO / General Partner

Date: _____

1. Repeater System Equipment					
Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
			Granby PD, Two Channel UHF P25 Simulcast Systems - Site 1 - Gavitt Rd - RF Site, town added second channel during review.		
2	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 2,349.00
2	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 4,741.50
2	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 3,745.50
2	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 4,594.50
2	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 24.00
2	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 11,845.50
2	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
2	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 1,399.50
			GPD - Site 2 - Upper Meadow Lane RF site		
2	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 2,349.00
2	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 4,741.50
2	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 3,745.50
2	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 4,594.50
2	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 24.00
2	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 11,845.50
2	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 961.50
2	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 8,865.00
2	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			GPD - Site 3 - Mountain Road RF Site		
2	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 2,349.00
2	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 4,741.50
2	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 3,745.50
2	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 4,594.50
2	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 24.00
2	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 11,845.50
2	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 961.50
2	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 8,865.00
2	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			GPD - Site 4 - Metacomet Ridge RF Site		
2	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 2,349.00
2	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 4,741.50
2	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 3,745.50
2	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 4,594.50
2	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 24.00
2	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 11,845.50
2	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
2	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 1,399.50
				Granby PD Total	**$ 131,652.00**
			Channel 3 requested by Town 08-19-2024		
			Granby PD, Channel UHF P25 Simulcast Systems - Site 1 - Gavitt Rd - RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ 4,344.00	$ 4,344.00
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
1					
			GPD - Site 2 - Upper Meadow Lane RF site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75

1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ 4,344.00	$ 4,344.00
			GPD - Site 3 - Mountain Road RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ 4,344.00	$ 4,344.00
			GPD - Site 4 - Metacomet Ridge RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ 4,344.00	$ 4,344.00
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
				Granby PD Total	**$ 83,202.00**
			LAFD Two Channel VHF Analog Simulcast Systems- Site 1 - Gavitt Rd - RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
0	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)- Not required for analog operation	$ 5,922.75	$ -
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
			LAFD - Site 2 - Upper Meadow Lane RF site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
0	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)- Not required for analog operation	$ 5,922.75	$ -
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			LAFD - Site 3 - Mountain Road RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
0	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)- Not required for analog operation	$ 5,922.75	$ -
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50

1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			LAFD - Site 4 - Metacomet Ridge RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
0	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)- Not required for analog operation	$ 5,922.75	$ -
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
					$ 42,135.00
1	Second Channel for Fire Department	Material	As required in the RFP, this line item is for a second FD VHF Channel		**$ 42,135.00**
				Granby LAFD Total	**$ 84,270.00**
			LAFD Fire Ground Recording System- Site 1 - Gavitt Rd - RF Site		
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
			LAFD Fire Ground Recording System- Site 2 - Upper Meadow Lane RF site		
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
			LAFD Fire Ground Recording System- Site 3 - Mountain Road RF Site		
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
			LAFD Fire Ground Recording System- Site 4 - Metacomet Ridge RF Site		
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
				Granby LAFD FG Recording System Total	**$ 27,213.00**
			Granby EMS Single Channel UHF P25 Conventional Simulcast Systems - Site 1 - Gavitt Rd - RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
			GAA - Site 2 - Upper Meadow Lane RF site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			GAA - Site 3 - Mountain Road RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25

1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			GAA - Site 4 - Metacomet Ridge RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-LAAA	Material	TB94 Rctr 440-480MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-LBAA	Material	TB94 Linear PA 440-480M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
1	TBAS071	Material	SFE Key - IP Networking Satellite	$ 699.75	$ 699.75
				Granby EMS Total	**$ 65,826.00**
			Granby DPW Single Channel VHF P25 Conventional Simulcast System - Site 2 - Upper Meadow Lane - RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
			DPW - Site 3 - Mountain Road RF Site		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
1	TBAS061	Material	SFE Key - Central Voter (91/94)	$ 4,432.50	$ 4,432.50
1	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94) - missed in original bid	$ -	$ -
				Granby DPW Total	**$ 37,126.50**
			Granby CERT Single Channel VHF P25 Conventional Simulcast System - Site 5 - Municipal Complex		
1	TB9435S-100T	Material	TB9435 Single 100Watts Chassis Assembly	$ 1,174.50	$ 1,174.50
1	T01-01103-BAAA	Material	TB94 Rctr 136-174MHz S2	$ 2,370.75	$ 2,370.75
1	T01-01121-BBBA	Material	TB94 Linear PA 136-174M 100W	$ 1,872.75	$ 1,872.75
1	TBA30A4-4100	Material	TB8000/9000 Power Management Unit ACDC48 aux12	$ 2,297.25	$ 2,297.25
1	219-01561-00	Material	CBL cord 2m USA IEC blk	$ 12.00	$ 12.00
1	TBAS060	Material	SFE Key - Digital Fixed Station Interface (91/94)	$ 480.75	$ 480.75
1	TBAS050	Material	SFE Key - P25 Common Air Interface (CAI) (91/94)	$ 5,922.75	$ 5,922.75
0	TBAS061	Material	SFE Key - Central Voter (91/94) - Not needed for stand alone repeater	$ 4,432.50	$ -
0	TBAS062	Material	SFE Key - Simulcast Enable Phase I (91/94)	$ -	$ -
10	Marcus FCC Labor	Labor - FCC	Labor time to find a frequency for CERT team	$ 168.75	$ 1,687.50
0	Marcus System Labor	Labor	In house setup time - Captured in Staging section	$ -	$ -
				Granby CERT Total	**$ 15,818.25**
			Console Gateway for FD Analog		
1	TN9271-0030-N400-10	Material	Analog gateway 3-channel AC/DC 48/12 - special discounted price	$ 4,432.50	$ 4,432.50
					$ 4,432.50
			Year 1 - Granby requires 3 years of warranty included per page 20 of the RFP.		

1	Microwave Warranty	Warranty	Siae includes a one year warranty for all of their equipment	$ -	$ -
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch - starts immediately	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
0	Avtec	Warranty	Scoutcare - Does not start until year 2	$ -	$ -
0	Tait	Warranty	Repeater Equipment warranty details - Covered in year 1	$ -	$ -
290	EFJ	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
12	EFJ - Console Radios	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
40	Unication Pagers	Warranty	Unication Pagers include a 2 year warranty	$ -	$ -
1	Marcus Labor - Year 1	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 1	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 1	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 400.00	$ 4,800.00
				Warranty Year 1	**$ 25,538.00**
			Year 2 - Granby requires 3 years of warranty included per page 20 of the RFP.		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ 658.00	$ 5,264.00
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ 427.00	$ 3,416.00
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
290	EFJ	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
12	EFJ - Console Radios	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
40	Unication Pagers	Warranty	Unication Pagers include a 2 year warranty	$ -	$ -
1	Marcus Labor - Year 2	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 2	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 2	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 500.00	$ 6,000.00
				Warranty Year 2	**$ 47,014.85**
			Year 3 - Granby requires 3 years of warranty included per page 20 of the RFP.		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
290	EFJ	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
12	EFJ - Console Radios	Warranty	EFJ provides a full 3 years of warranty on all radios - no additional cost	$ -	$ -
40	Unication Pagers	Warranty	Unication extended warranty covering an additional 3 years (Years 3, 4 and 5)	$ 110.53	$ 4,421.05
1	Marcus Labor - Year 3	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 3	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 3	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 600.00	$ 7,200.00

			Warranty Year 3		$ 43,955.90
					$ 566,049.00
		2. Backhaul Microwave or Fiber Network Infrastructure			
Qty	**Manufac P/N**	**Labor or Material**	**Description**	**Unit Price**	**Extended**
8	AGS20-IF2GE6	Material	SIAE AGS20 Indoor Unit, 2xIF. 8xGE, -48VDC	$ 1,584.38	$ 12,675.00
16	SIAE-P04184	Material	SIAE DC Power Plug for AGS20	$ 8.13	$ 130.00
16	SIAE-Z21196	Material	SIAE AGS20 DC Plug Connector Security Block	$ 8.13	$ 130.00
8	SIAE V42024L	Material	SIAE AGS20 Grounding Kit	$ 12.13	$ 97.00
8	SIAE-F21007	Material	SIAE IF Cable Adapter, SMA-M to N-F, 3ft	$ 20.31	$ 162.50
8	UPG-AGS20-ACM	Material	SIAE AGS20 SW License, ACM	$ 203.13	$ 1,625.00
4	ASN-SP-LBT-1801	Material	SIAE ASNK18/1560SP SB 1 Low ODU	$ 1,634.75	$ 6,539.00
4	ASN-SP-HBT-1801	Material	SIAE ASNK18/1560SP SB 1 High ODU	$ 1,634.75	$ 6,539.00
8	SIAE-V60478	Material	SIAE 15-42 GHz Ant. Transition Kit(ASNK ODU)	$ 8.13	$ 65.00
8	SIAE-V42025L	Material	SIAE ALFOplus ODU Grounding Kit	$ 56.88	$ 455.00
4	ANT-18GHZ-12-SP	Material	SIAE 18GHz 1' Antenna, SP, Direct Mount	$ 371.31	$ 1,485.25
2	ANT-18GHZ-24-SP	Material	SIAE 18GHz 2' Antenna, SP, Direct Mount	$ 551.81	$ 1,103.63
2	ANT-18GHZ-36-SP	Material	SIAE 18GHz 3' Antenna, SP, Direct Mount	$ 1,131.81	$ 2,263.63
8	SIAEFCCAPP	Material	CS FCC Appl w/DetAnalysis, PriorCoord Siae	$ 937.50	$ 7,500.00
8	POFE159N	Material	CS FCC Filing Fee, New/Private, per transmit	$ 937.50	$ 7,500.00
					$ 48,270.00
5	Cisco Engineering Labor	Labor - Cisco	Site 1 - Gavitt Rd	$ 180.00	$ 900.00
5	Cisco Engineering Labor	Labor - Cisco	Site 2 - Upper Meadow Ln	$ 180.00	$ 900.00
5	Cisco Engineering Labor	Labor - Cisco	Site 3 - Mountain Rd	$ 180.00	$ 900.00
5	Cisco Engineering Labor	Labor - Cisco	Site 4 - Metacomet Ridge	$ 180.00	$ 900.00
5	Cisco Engineering Labor	Labor - Cisco	Site 5 - Town Hall	$ 180.00	$ 900.00
					$ 4,500.00
			Site 1 - Gavitt Rd - RF Site - Cisco 9300 with DC Power Supply		
1	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 3,683.75
1	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 428.75
1	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC	$ 1,692.50	$ 1,692.50
1	PWR-C1-715WDC/2	Material	715W DC POWER SUPPLY	$ 1,377.93	$ 1,377.93
			Site 2 - Upper Meadow Ln - RF Site - Cisco 9300 with DC Power Supply		
1	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 3,683.75
1	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 428.75
1	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC	$ 1,692.50	$ 1,692.50
1	PWR-C1-715WDC/2	Material	715W DC POWER SUPPLY	$ 1,377.93	$ 1,377.93
			Site 3 - Mountain Rd - RF Site - Cisco 9300 with DC Power Supply		
1	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 3,683.75
1	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 428.75
1	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC	$ 1,692.50	$ 1,692.50
1	PWR-C1-715WDC/2	Material	715W DC POWER SUPPLY	$ 1,377.93	$ 1,377.93
			Site 4 - Metacomet - RF Site - Cisco 9300 with DC Power Supply		
1	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 3,683.75
1	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 428.75
1	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC	$ 1,692.50	$ 1,692.50
1	PWR-C1-715WDC/2	Material	715W DC POWER SUPPLY	$ 1,377.93	$ 1,377.93
			Site 5 - Town Hall - RF Site - Cisco 9300 with DC Power Supply		
1	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 3,683.75
1	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 428.75
1	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC	$ 1,692.50	$ 1,692.50
1	PWR-C1-715WDC/2	Material	715W DC POWER SUPPLY	$ 1,377.93	$ 1,377.93
1	C9300-NM-4G	Material	Catalyst 9300 4x1 GE Network Module, spare; Cisco Systems	$ 471.88	$ 471.88

			Site 6 - Granby Dispatch only - Cisco C9300 with AC power supply		
2	C9300-24T-A	Material	CATALYST 9300 24PT DATA ONLY NTWK ADVANT	$ 3,683.75	$ 7,367.50
2	CON-SNT-C93002TA	Material	SNTC-8X5XNBD CATALYST 9300 24PT DATA	$ 428.75	$ 857.50
2	C9300-DNA-A-24-3Y	Material	C9300 DNA ADVANTAGE 24PT 3YR TERM LIC -	$ 1,692.50	$ 3,385.00
2	PWR-C1-350WAC/2	Material	CTO 350W AC CONFIG 1 SECONDARY P/S	$ 496.71	$ 993.43
2	C9300-NM-4G	Material	Catalyst 9300 4x1 GE Network Module, spare; Cisco Systems	$ 471.88	$ 943.75
2	STACK-T1-50CM	Material	50CM TYPE 1 STACKING CBL	$ 76.41	$ 152.83
2	CAB-SPWR-30CM	Material	CATALYST 3750X AND 3850 STACK PWR CBL 30	$ 72.60	$ 145.20
					$ 50,231.70
					$ 103,001.70

3. Dispatch

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
2	SFW-SCOUT-EX-T2-SK	Material	Scout EX Console - Tier 2 includes a license for a Scout Enterprise Console with Software Audio Package that enables access to Conventional and Trunked radios. Includes IRR. Software Key. Speakers purchased separately.	$ 15,537.38	$ 31,074.75
2	LCD Monitor	Material	LCD screen - touch screen not required by Granby	$ 250.00	$ 500.00
2	ACCUSB-FSW-SING	Material	USB PTT Footswitch Accessory, Software Media Workstation	$ 282.63	$ 565.25
2	ACCUSB-HJB	Material	Avtec USB Headset/handset jack box (single jack), S/W Media Workstation	$ 903.88	$ 1,807.75
2	ACCUSB-MIC	Material	Avtec USB PTT Desk Microphone, Scout Software Media Workstation	$ 578.38	$ 1,156.75
2	ACCUSB-SPK-2	Material	Avtec USB Dual Speaker Kit, Scout Software Media Workstation	$ 1,016.75	$ 2,033.50
1	SFW-VPG-L1	Material	Avtec Redundant VPGate Software License for a maximum of 40 endpoints; up to 20 may be "B" Licenses, Version 1.x. Includes CPS software license.	$ 15,522.50	$ 15,522.50
1	SFW-VPG-DFSI-6	Material	Supplementary VPGate P25 DFSI endpoint license, requires SFW-VPG-XXXX. Supports up to 6 each redundant P25 DFSI endpoints.	$ 5,817.88	$ 5,817.88
1	PKG-IO-VPGATE	Material	Input-Output Package for Scout and DSPatchNET, includes one each 24-input, one each 24-output rack mount panel and power supply. Required for Door Controls.	$ 4,663.13	$ 4,663.13
1		Material	Type 66 cabling/Punch Block kit to install one auxiliary I/O package, 25' cables	$ 1,208.43	$ 1,208.43
8	OUTPOST-2R	Material	Avtec Console to Radio Interface, Radio Controller, VoIP, 2 Ports, 12VDC input	$ 2,559.38	$ 20,475.00
15		Material	OUTPOST RJ-45 Connector for Outpost custom made by Marcus	$ 112.50	$ 1,687.50
8	SFW-MDC-1	Material	License to add MDC1200 ANI capability to an OUTPOST-2R endpoint, 1 required per channel.	$ 577.13	$ 4,617.00
1	SHIPPING	Material	Shipping from Avtec	$ 312.50	$ 312.50
2	CA12CDS	Material	Headset, Wireless Base for Avtec Console. Plantronics Cordless Push-To-Talk Headset Amplifier	$ 487.49	$ 974.98
			RFP was not specific as to the number of headsets	$ -	
9	HW710	Material	Headset, Plantronics EncorePro Over the Head Single muff Monaural Headset	$ 148.75	$ 1,338.75
2	AVTEC VPGATE SERVER	Material	Avtec VPGate Server	$ 2,158.99	$ 4,317.98
2	AVTEC POSITION COMPUTER	Material	Console Position Computers	$ 1,375.00	$ 2,750.00
0	Remote Access Computer	Material	See Site Monitoring System below	$ -	$ -
1	TN9271-0030-N400-10	Material	Analog gateway 3-channel AC/DC 48/12	$ 8,257.50	$ 8,257.50
			RFP did not require backup control stations in dispatch, assuming portables are used during emergencies		
			The RFP requires multiple interop frequencies, the control stations below provide this.		
			Extra console position requested for lost acres By J.Horr 08-19-24, furniture not included		
1	SFW-SCOUT-EX-T2-SK	Material	Scout EX Console - Tier 2 includes a license for a Scout Enterprise Console with Software Audio Package that enables access to Conventional and Trunked radios. Includes IRR. Software Key. Speakers purchased separately.	$ 15,537.38	$ 15,537.38
1	LCD Monitor	Material	LCD screen - touch screen not required by Granby	$ 250.00	$ 250.00
1	AVTEC POSITION COMPUTER	Material	Console Position Computers	$ 1,375.00	$ 1,375.00
1	BR1500MS2	Material	APC Back-UPS Pro 1500VA Unterruptible Power Supply	$ 311.54	$ 311.54
1	ACCUSB-FSW-SING	Material	USB PTT Footswitch Accessory, Software Media Workstation	$ 282.63	$ 282.63
1	ACCUSB-HJB	Material	Avtec USB Headset/handset jack box (single jack), S/W Media Workstation	$ 903.88	$ 903.88
1	ACCUSB-MIC	Material	Avtec USB PTT Desk Microphone, Scout Software Media Workstation	$ 578.38	$ 578.38
1	ACCUSB-SPK-2	Material	Avtec USB Dual Speaker Kit, Scout Software Media Workstation	$ 1,016.75	$ 1,016.75
1	Install Kit	Material	Install Kit	$ 312.50	$ 312.50
1	CA12CDS	Material	Headset, Wireless Base for Avtec Console. Plantronics Cordless Push-To-Talk Headset Amplifier	$ 487.49	$ 487.49
2	HW710	Material	Headset, Plantronics EncorePro Over the Head Single muff Monaural Headset	$ 148.75	$ 297.50
			800 MHz Interop Endpoint radios - TN-LCD-GRANBY Link, Windsor PD, Bloomfield PD, Farmington PD, West Hartford PD		

2	VM5930BF	Material	VM5000, 7/800 MHz	$ 1,865.85	$ 3,731.71
2	KCH-19VM	Material	KCH-19 Dash	$ 160.02	$ 320.05
2	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 34.90	$ 69.80
2	8326000001	Material	P25 Authentication	$ 87.80	$ 175.61
2	8322000002	Material	P25 Conventional - included at no charge with 5000 series	$ -	$ -
2	8322000005	Material	P25 Phase 1 Trunking - included at no charge with 5000 series	$ -	$ -
2	8322000006	Material	P25 Phase 2 TDMA	$ 347.56	$ 695.12
2	8323000003	Material	Multi Key DES	$ -	$ -
2	8323000004	Material	Multi Key AES	$ 409.76	$ 819.51
2	8326000002	Material	MDC1200 / GE-Star Signaling	$ 43.90	$ 87.80
2	8324000003	Material	OTAP (Over-the-Air Programming)	$ 171.95	$ 343.90
2	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 1,302.44
			VHF Interop Endpoint radios - E. Granby FD, Suffield PD, Windsor Locks PD, DEMHS, Avon Intercity		
3	VM5730BF	Material	VM5000, VHF (136-174 MHz)	$ 1,865.85	$ 5,597.56
3	KCH-19VM	Material	KCH-19 Dash Desktop	$ 160.02	$ 480.07
3	KCT-23M	Material	DC Cable - 10 ft	$ 34.90	$ 104.71
3	8322000002	Material	P25 Conventional - included at no charge with 5000 series	$ -	$ -
3	8322000005	Material	P25 Phase 1 Trunking - included at no charge with 5000 series	$ -	$ -
			UHF Interop Endpoint radios - Granby BOE, Simsbury PD, WMLEC PD, WMLEC FD, Simsbury FD, Simsbury EMS, RAFS 1, RAFS 2, Avon PD, Canton PD, BDL FD, Intercity, U-Call-40, CREST, SWAT1-4		
7	VM5830BF	Material	VM5000, UHF (450-520 MHz)	$ 1,865.85	$ 13,060.98
7	KCH-19VM	Material	KCH-19 Dash Desktop	$ 160.02	$ 1,120.17
7	KCT-23M	Material	DC Cable - 10 ft	$ 34.90	$ 244.32
7	8322000002	Material	P25 Conventional - included at no charge with 5000 series	$ -	$ -
7	8322000005	Material	P25 Phase 1 Trunking - included at no charge with 5000 series	$ -	$ -
			Control Station Combiners for radios above		
1	CS1517-005-SN	Material	Hybrid control station combiner, VHF MHz 8 CH	$ 9,633.66	$ 9,633.66
1	CS4552-0805-SN	Material	Hybrid control station combiner, UHF MHz 8 CH	$ 9,633.66	$ 9,633.66
1	CS7486-0805-SN	Material	Hybrid control station combiner, 700/800 MHz 8 CH	$ 9,633.66	$ 9,633.66
0	Antennas	Material	Antennas systems for VHF, UHF, and 800 control station combiners is being included at no charge because we missed it in the b	$ -	$ -
12	Marcus Labor	Labor - Shop	Labor to setup all radios in the shop	$ 187.50	$ 2,250.00
20	Marcus Labor	Labor - Onsite	Onsite Labor - Prevailing Wage	$ 176.83	$ 3,536.59
4	Marcus Labor	Labor - Onsite	Reprogram Simsbury's existing Avtec and Radios (RFQ Page 9 requirement)	$ 187.50	$ 750.00
			Granby PFQ page 6 - Monitor and respond from Sgt's, Capt's, Chiefs and Day Room.		
4	DSSFWSLCONNECT	Material	RED.SCOUTLINK SOFTWARE EP CONNECTION LICENSE	$ 785.37	$ 3,141.47
4	DSMINIETC4DC	Material	4 port Mini SIP Console for use with ScoutLink. Comes with DC power adapter.	$ 1,468.42	$ 5,873.68
		Material			
1	B040-008-19	Material	Tripp Lite Rack Mount Console KVM Switch, NetController 8-port 1U KVM Console, 19' LCD Display Monitor	$ 1,306.43	$ 1,306.43
2	B780-010	Material	Tripp LTE P780-010 PS2 and USB 2-in-1 KVM Kit for B042-Series KVM Switches	$ 35.09	$ 70.18
6	555-15475	Material	Rack Shelf, 1U Black Rack Shelf - 10.7 Inch Depth for 19" Racks	$ 19.37	$ 116.19
1	Firewall	Material	Firewall - by Shawn. Switches are included in microwave section	$ 1,875.00	$ 1,875.00
1	FPR1010-NGFW-K9	Material	Cisco Firepower 1010 NGFW Appliance, Desktop; Cisco Systems	$ 657.26	$ 657.26
1	L-FPR1010T-TM-1Y	Material	Cisco FPR1010 Threat Defense Threat and Malware 1Y Subs	$ 331.55	$ 331.55
2	BR1500MS2	Material	APC Back-UPS Pro 1500VA Unterruptible Power Supply	$ 311.54	$ 623.08
2	DP CABLE-8	Material	Display Port Cable 1.4, Capshi 8K DP Cable 15 FT	$ 35.68	$ 71.35
2	SMC1500-2U	Material	Ape SMARTups c 1500va 2u led 120v	$ 878.60	$ 1,757.20
1	SEC-100BRM	Material	Mount, Rack Mount Supply with Battery Backup capability, 100A	$ 853.66	$ 853.66
1	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 553.75
1	RR-1369-MG	Material	Rack; Bud Industries 77" x 19" Heavy Duty Open Rack-Metallic Gray	$ 689.50	$ 689.50
2	DBRM-20-75	Material	DuraComm Corporation - Dist. Panel, 20-Position	$ 162.72	$ 325.45
2	AUBP2U4K	Material	2 RU Blank Panel Kit (4)	$ 37.25	$ 74.50
			Console Furniture		
1	Furniture	Material	2 Position console furniture	$ 52,647.06	$ 52,647.06
1	Furniture	Material	Wall cabinet matching furniture	$ 9,411.76	$ 9,411.76
1	Warranty	Material	10 year warranty	$ -	$ -
1	Shipping	Material	Shipping & delivery and install	$ 15,000.00	$ 15,000.00
75	Furniture PM	Labor - Contractor	Furniture Contractor Project Management	$ 147.06	$ 11,029.41
25	Furniture PM	Labor - Contractor	Furniture Contractor Project Management Travel	$ 147.06	$ 3,676.47
1	Electrical	Labor - Contractor	Electrical for final and temporary dispatch room to run console positions - Prevailing Wage	$ 10,117.65	$ 10,117.65

1	Carpet Install	Labor - Contractor	Carpet & materials & labor (400sq ft.) - Prevailing Wage	$ 6,117.65	$ 6,117.65
4	Labor	Labor - Training	Training of furniture layout and functionality	$ 158.82	$ 635.29
1	Marcus Labor	Labor - Console	Disposal of old furniture (including dumpster) -Prevailing Wage	$ 2,300.00	$ 2,300.00
				$ -	$ -
			ADDED in back up portables for dispatch per meeting with John Horr 8/20/24		
2	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 3,377.12
2	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 983.56
2	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 983.56
2	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 300.85
2	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 300.85
2	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 144.44
2	8323000003	Material	Multi Key DES	$ -	$ -
2	8322000002	Material	P25 Conventional	$ 285.44	$ 570.88
2	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 82.54
2	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 217.76
2	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 139.73
2	Programming	Labor - Programming	Programming	$ 24.39	$ 48.78
			Avtec provides Paging as required by Granby on Page 6 of the RFP.		
0		Labor - Avtec Service	Avtec Service and Support performed by Marcus covering first year of console use - Included above in warranty section	$ -	$ -
8		Labor - Training	Supervisor Training - 3 people	$ 156.25	$ 1,250.00
18		Labor - Training	Operator Training 7 people	$ 156.25	$ 2,812.50
24		Labor - Console	Labor to demo existing positions & cabinetry - Prevailing Wage	$ 176.83	$ 4,243.90
16		Labor - Console	Labor to create custom screen design to be approved by customer before installation	$ 168.75	$ 2,700.00
40		Labor - Console	Labor to stage equipment racks in house before deployment	$ 118.75	$ 4,750.00
32		Labor - Console	Labor to set up console in temp location and interface with radios - Prevailing Wage	$ 185.00	$ 5,920.00
32		Labor - Console	Labor to move final consoles back into dispatch post renovation - Prevailing Wage	$ 185.00	$ 5,920.00
5		Labor - Console	Labor to interface with existing state provided Verint recording system - Prevailing Wage	$ 185.00	$ 925.00
16		Labor - Console	Labor to identify and label communications room cable - Prevailing Wage	$ 185.00	$ 2,960.00
48		Labor - Console	Labor to run networking cable between servers and position computers - Prevailing Wage	$ 185.00	$ 8,880.00
			Granby RFP page 6 states to reuse existing recorder if it can record all channels. This can be done using the existing Verint recorder.		
					$ 370,792.47

4. Spare Equipment

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
1	ACCUSB-FSW-SING	Material	USB PTT Footswitch Accessory, Software Media Workstation	$ 282.63	$ 282.63
1	ACCUSB-MIC	Material	Avtec USB PTT Desk Microphone, Scout Software Media Workstation	$ 541.58	$ 541.58
1	ACCUSB-SPK-2	Material	Avtec USB Dual Speaker Kit, Scout Software Media Workstation	$ 865.83	$ 865.83
2	HW710	Material	Headset, Plantronics EncorePro Over the Head Single muff Monaural Headset	$ 148.75	$ 297.50
					$ 1,987.53

5. Power System and GPS References

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
			Site 1 - Gavitt Rd - RF Site		
1	FPSK59I-ANL-VC	Material	FlatpackS 2U shelf, K59I 4L2B-10GMT- 48V w/LVD 2U US	$ 1,321.04	$ 1,321.04
2	241122.125.VC	Material	Flatpack S 48V 1800W Rectifier Module	$ 523.73	$ 1,047.45
1	SPS-FPS200-A01-W	Material	Flatpack S Controller	$ 597.78	$ 597.78
1	LC1012-UU	Material	Dual output line cord, 12ga	$ 96.68	$ 96.68
1	367E33743300	Material	SPS, Alarm cable, 10' 24AWG Solid G1	$ 52.80	$ 52.80
1	CBB020M	Material	Circuit Breaker, AUX Bullet 20A	$ 27.00	$ 27.00
2	CBB070M	Material	Circuit Breaker, AUX Bullet 70A	$ 27.00	$ 54.00
8	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 4,430.00
2	405-4360-1	Material	NewMar - Black 19" Battery Shelf. Rated for 400 lbs.	$ 186.00	$ 372.00
			Site 2 - Upper Meadow Lane, Granby, Monopole		
1	FPSK59I-ANL-VC	Material	FlatpackS 2U shelf, K59I 4L2B-10GMT- 48V w/LVD 2U US	$ 1,321.04	$ 1,321.04

2	241122.125.VC	Material	Flatpack S 48V 1800W Rectifier Module	$ 523.73	$ 1,047.45
1	SPS-FPS200-A01-W	Material	Flatpack S Controller	$ 597.78	$ 597.78
1	LC1012-UU	Material	Dual output line cord, 12ga	$ 96.68	$ 96.68
1	367E33743300	Material	SPS, Alarm cable, 10' 24AWG Solid G1	$ 52.80	$ 52.80
1	CBB020M	Material	Circuit Breaker, AUX Bullet 20A	$ 27.00	$ 27.00
2	CBB070M	Material	Circuit Breaker, AUX Bullet 70A	$ 27.00	$ 54.00
8	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 4,430.00
2	405-4360-1	Material	NewMar - Black 19" Battery Shelf. Rated for 400 lbs.	$ 186.00	$ 372.00
			Site 3 - 229 Mountain Road, Granby - New Tower construction		
1	FPSK59I-ANL-VC	Material	FlatpackS 2U shelf, K59I 4L2B-10GMT- 48V w/LVD 2U US	$ 1,321.04	$ 1,321.04
2	241122.125.VC	Material	Flatpack S 48V 1800W Rectifier Module	$ 523.73	$ 1,047.45
1	SPS-FPS200-A01-W	Material	Flatpack S Controller	$ 597.78	$ 597.78
1	LC1012-UU	Material	Dual output line cord, 12ga	$ 96.68	$ 96.68
1	367E33743300	Material	SPS, Alarm cable, 10' 24AWG Solid G1	$ 52.80	$ 52.80
1	CBB020M	Material	Circuit Breaker, AUX Bullet 20A	$ 27.00	$ 27.00
2	CBB070M	Material	Circuit Breaker, AUX Bullet 70A	$ 27.00	$ 54.00
8	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 4,430.00
2	405-4360-1	Material	NewMar - Black 19" Battery Shelf. Rated for 400 lbs.	$ 186.00	$ 372.00
			Site 4 - Metacomet Ridge, East Granby, Monopole		
1	FPSK59I-ANL-VC	Material	FlatpackS 2U shelf, K59I 4L2B-10GMT- 48V w/LVD 2U US	$ 1,321.04	$ 1,321.04
2	241122.125.VC	Material	Flatpack S 48V 1800W Rectifier Module	$ 523.73	$ 1,047.45
1	SPS-FPS200-A01-W	Material	Flatpack S Controller	$ 597.78	$ 597.78
1	LC1012-UU	Material	Dual output line cord, 12ga	$ 96.68	$ 96.68
1	367E33743300	Material	SPS, Alarm cable, 10' 24AWG Solid G1	$ 52.80	$ 52.80
1	CBB020M	Material	Circuit Breaker, AUX Bullet 20A	$ 27.00	$ 27.00
2	CBB070M	Material	Circuit Breaker, AUX Bullet 70A	$ 27.00	$ 54.00
8	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 4,430.00
2	405-4360-1	Material	NewMar - Black 19" Battery Shelf. Rated for 400 lbs.	$ 186.00	$ 372.00
			Site 5 - Police Department/Town Hall - Granby's microwave hub, SBA Tower		
1	FPSK59I-ANL-VC	Material	FlatpackS 2U shelf, K59I 4L2B-10GMT- 48V w/LVD 2U US	$ 1,321.04	$ 1,321.04
2	241122.125.VC	Material	Flatpack S 48V 1800W Rectifier Module	$ 523.73	$ 1,047.45
1	SPS-FPS200-A01-W	Material	Flatpack S Controller	$ 597.78	$ 597.78
1	LC1012-UU	Material	Dual output line cord, 12ga	$ 96.68	$ 96.68
1	367E33743300	Material	SPS, Alarm cable, 10' 24AWG Solid G1	$ 52.80	$ 52.80
1	CBB020M	Material	Circuit Breaker, AUX Bullet 20A	$ 27.00	$ 27.00
2	CBB070M	Material	Circuit Breaker, AUX Bullet 70A	$ 27.00	$ 54.00
8	12GX190F	Material	Battery, 12 Volt 190AH Telecom Pure Lead Front Term	$ 553.75	$ 4,430.00
2	405-4360-1	Material	NewMar - Black 19" Battery Shelf. Rated for 400 lbs.	$ 186.00	$ 372.00
5	1200-213	Material	Spectracom SecureSync Osc. (AC & 24-48VDC)	$ 5,910.63	$ 29,553.13
0	All sites	Material	Transector surge devices - Not required by Granby	$ 1,500.00	$ -
					$ 69,546.81

Qty	Manufac P/N	Labor or Material	6. Site 1 - 44 Gavitt Road Monopole Description	Unit Price	Extended
			3 UHF CH (2 PD, 1 EMS), PD Ch 1: 460.525 / 465.525 MHz, PD Ch 2: unknown, EMS: unknown		
			2 VHF CH (2 FD), FD Ch 1: 154.7925 / 151.3775 MHz, FD Ch 2: unknown		
1	73-67-25-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"3-4WV 5W-100W, Config Rev: 126298.0	$ 6,517.64	$ 6,517.64
1	T-Pass for Second PD channel	Material	T-Pass for Second PD channel - town requested during bid review	$ 3,103.64	$ 3,103.64
1	42-57D-05-08N-48	Material	Multicoupler, 380-512 MHz, Rx, 8 Ports, N Connector	$ 2,486.25	$ 2,486.25
1	73-38-05-2D-02	Material	T-PASS TX MULTCPLR 2 CH 1, 0"1.4WV 5W-100W	$ 5,195.00	$ 5,195.00
1	42-36C-05-08B-48	Material	Receive Multicoupler, 118-174MHz, 8 ports, 48VDC, BNC, Config Rev: 126297.0	$ 2,640.63	$ 2,640.63
0	Permitting	Material	Permit fees are addressed in pricing summary section	$ -	$ -
1	Surveying Fees	Material	Construction drawings-tower/compound - 1	$ 4,375.00	$ 4,375.00
1	Surveying Fees	Material	Lot Staking - Tower and Compound	$ 3,125.00	$ 3,125.00

1	Special Inspections	Material	Special Inspections Coordination & Construction Control Affidavit	$ 2,500.00	$ 2,500.00
1	Structural Analysis	Material	Independent Structural Engineering Consultant Review	$ 3,125.00	$ 3,125.00
1	Special Inspections	Material	Materials testing & inspection services	$ 1,250.00	$ 1,250.00
1	Site Work	Material	Ice Bridge includes labor - prevailing wage	$ 6,617.65	$ 6,617.65
5	Site Work	Material	Tower compound - prevailing wage	$ 3,330.88	$ 16,654.41
1	Site Work	Material	Site Grounding - prevailing wage	$ 3,638.24	$ 3,638.24
1	Signage	Material	Tower compound signage	$ 142.86	$ 142.86
1	Tower Antenna mounting hardware	Material	Tower mounting hardware	$ 2,000.00	$ 2,000.00
1	Fence	Material	Fencing and weed control fabric with 6" of stone - prevailing wage	$ 4,411.76	$ 4,411.76
1	3OD-78DDXC	Material	Outdoor Cabinet Enclosure; 78"x88.5"x42" painted cream, insulated	$ 22,482.50	$ 22,482.50
1	ACP-8000-N36-110	Material	Air Conditioner; 8,000 BTU Pentair Air Conditioner Unit	$ 6,133.75	$ 6,133.75
1	Shelter Shipping	Material	Shelter Shipping	$ 3,519.00	$ 3,519.00
1	Cabinet Concrete slab	Material	Concrete slab	$ 2,500.00	$ 2,500.00
1	Electrical work - Generator only	Material	Electrical work - Generator only - prevailing wage	$ 3,750.42	$ 3,750.42
1	Electrical work - Site	Material	Electrical work - Site - prevailing wage	$ 10,084.03	$ 10,084.03
1	Generator	Material	New 30KW generator	$ 21,250.00	$ 21,250.00
1	Generator Concrete slab	Material	Concrete slab	$ 1,500.00	$ 1,500.00
1	Transfer Switch	Material	200 amp transfer switch.	$ 3,181.25	$ 3,181.25
1	Propane tank and plumbing	Material	500 gallon tank and piping	$ 7,500.00	$ 7,500.00
1	Tank Concrete slab	Material	Concrete slab	$ 1,500.00	$ 1,500.00
1	SC346-HF3SNF(D00)	Material	Aurora™ collinear omni, 6 dBd, N-female connector 450-470	$ 873.44	$ 873.44
1	SC34A-SF3LDF(D00	Material	Aurora™ collinear omni, 10 dBd, 7/16 DIN-Female connector, low PIM 450-470	$ 1,198.44	$ 1,198.44
2	SC266-HF4LDF(D00-PIP)	Material	Collinear omni antenna, 6 dBd gain, low PIM, HD, 7/16 DIN(f) connector 156-174	$ 2,750.31	$ 5,500.63
1	Shipping	Material	Antenna Shipping	$ 562.50	$ 562.50
8	716M-LCF114-D01	Material	7/16 DIN/M OMNI FIT Connector for 1-1/4" LCF/UCF	$ 101.23	$ 809.80
8	716F-LCF114-D01K	Material	Connector; 7/16" D/F Omni fit for 1 1/4" LCF & UCF114-50	$ 78.25	$ 626.00
8	HG114	Material	Lace-Up Hoisting Grips (1-1/4" Coax & LMR-1700)	$ 18.24	$ 145.90
16	GK-C114	Material	Clip-On Ground Kits (1-1/4" Corrugated Cable)	$ 19.36	$ 309.80
240	114SS-A	Material	Stackable Snap-In Hangers (1-1/4")	$ 4.55	$ 1,092.00
1000	CF114-50JA	Material	1-1/4" Cellflex Ultra flexible low-loss foam dielectric cable (per foot)	$ 6.88	$ 6,875.00
1	Shipping	Material	Cable Shipping	$ 500.00	$ 500.00
8	15566032	Material	Connector, N Male OMNI FIT for 1/2" LCF12-50J & ICA12-50JPL	$ 13.75	$ 110.00
500	LCF12-50J	Material	(# 70393) Cable, RFS 810918-001CELLFLEX 1/2 inch 50 Ohm coax cable with foam dielectric (per foot)	$ 3.44	$ 1,718.75
120	12SS-A	Material	Valmont Stackable Snap-In Hangers (1/2") (per each)	$ 25.94	$ 3,112.50
2	GK-C12	Material	Clip-On Ground Kits (1/2" Corrugated Cable)	$ 35.29	$ 70.58
2	HG12-C	Material	Lace-Up Hoisting Grips (1/2" Coax & LMR600)	$ 13.75	$ 27.50
120	Tower Climbing Labor	Labor - Contractor	Contractor install all antenna equipment - prevailing wage	$ 185.00	$ 22,200.00
1	Lift	Labor - Contractor	Lift for 2 days	$ 8,421.05	$ 8,421.05
8	Marcus Grounding Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Power system Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Microwave System Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Combiner Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	System Optimization	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
					$ 212,737.90

7. Site 2 - Upper Meadow Lane, Granby, Monopole

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
			3 UHF CH (2 PD, 1 EMS), PD Ch 1: 460.525 / 465.525 MHz, PD Ch 2: unknown, EMS: unknown		
			3 VHF CH (2 FD, 1 DPW), FD Ch 1: 154.7925 / 151.3775 MHz, FD Ch 2: unknown, DPW: 155.0625 / 158.7625 MHz		
1	73-67-25-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"3-4WV 5W-100W, Config Rev: 126298.0	$ 6,517.64	$ 6,517.64
1	T-Pass for Second PD channel	Material	T-Pass for Second PD channel - town requested during bid review	$ 3,103.64	$ 3,103.64
1	42-57D-05-08N-48	Material	Multicoupler, 380-512 MHz, Rx, 8 Ports, N Connector	$ 2,486.25	$ 2,486.25
1	73-38-05-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"1.4WV 5W-100W, Config Rev: 126299.0	$ 8,248.50	$ 8,248.50
1	42-36C-05-08B-48	Material	Receive Multicoupler, 118-174MHz, 8 ports, 48VDC, BNC, Config Rev: 126297.0	$ 2,640.63	$ 2,640.63
0	Permitting	Material	Permit fees are addressed in pricing summary section	$ -	$ -
1	Surveying Fees	Material	Construction drawings-tower/compound - 1	$ 4,375.00	$ 4,375.00
1	Surveying Fees	Material	Lot Staking - Tower and Compound	$ 3,125.00	$ 3,125.00
1	Special Inspections	Material	Special Inspections Coordination & Construction Control Affidavit	$ 2,500.00	$ 2,500.00
1	Structural Analysis	Material	Independent Structural Engineering Consultant Review	$ 3,125.00	$ 3,125.00

1	Special Inspections	Material	Materials testing & inspection services	$ 1,250.00	$ 1,250.00
1	Site Work	Material	Ice Bridge includes labor - prevailing wage	$ 6,617.65	$ 6,617.65
5	Site Work	Material	Tower compound - prevailing wage	$ 3,330.88	$ 16,654.41
1	Site Work	Material	Site Grounding - prevailing wage	$ 3,638.24	$ 3,638.24
1	Signage	Material	Tower compound signage	$ 142.86	$ 142.86
1	Tower Antenna mounting hardware	Material	Tower mounting hardware	$ 2,000.00	$ 2,000.00
1	Fence	Material	Fencing and weed control fabric with 6" of stone - prevailing wage	$ 4,411.76	$ 4,411.76
1	3OD-78DDXC	Material	Outdoor Cabinet Enclosure; 78"x88.5"x42" painted cream, insulated	$ 22,482.50	$ 22,482.50
1	ACP-8000-N36-110	Material	Air Conditioner; 8,000 BTU Pentair Air Conditioner Unit	$ 6,133.75	$ 6,133.75
1	Shelter Shipping	Material	Shelter Shipping	$ 3,519.00	$ 3,519.00
1	Cabinet Concrete slab	Material	Concrete slab	$ 2,500.00	$ 2,500.00
1	Electrical work - Generator only	Material	Electrical work - Generator only - prevailing wage	$ 3,750.42	$ 3,750.42
1	Electrical work - Site	Material	Electrical work - Site - prevailing wage	$ 10,084.03	$ 10,084.03
1	Generator	Material	New 30KW generator	$ 21,250.00	$ 21,250.00
1	Generator Concrete slab	Material	Concrete slab	$ 1,500.00	$ 1,500.00
1	Transfer Switch	Material	200 amp transfer switch.	$ 3,181.25	$ 3,181.25
1	Propane tank and plumbing	Material	500 gallon tank and piping	$ 7,500.00	$ 7,500.00
1	Tank Concrete slab	Material	Concrete slab	$ 1,500.00	$ 1,500.00
1	SC346-HF3SNF(D00)	Material	Aurora™ collinear omni, 6 dBd, N-female connector 450-470	$ 873.44	$ 873.44
1	SC34A-SF3LDF(D00	Material	Aurora™ collinear omni, 10 dBd, 7/16 DIN-Female connector, low PIM 450-470	$ 1,198.44	$ 1,198.44
2	SC266-HF4LDF(D00-PIP)	Material	Collinear omni antenna, 6 dBd gain, low PIM, HD, 7/16 DIN(f) connector 156-174	$ 2,750.31	$ 5,500.63
1	Shipping	Material	Antenna Shipping	$ 562.50	$ 562.50
8	716M-LCF114-D01	Material	7/16 DIN/M OMNI FIT Connector for 1-1/4" LCF/UCF	$ 101.23	$ 809.80
8	716F-LCF114-D01K	Material	Connector; 7/16" D/F Omni fit for 1 1/4" LCF & UCF114-50	$ 78.25	$ 626.00
8	HG114	Material	Lace-Up Hoisting Grips (1-1/4" Coax & LMR-1700)	$ 18.24	$ 145.90
16	GK-C114	Material	Clip-On Ground Kits (1-1/4" Corrugated Cable)	$ 19.36	$ 309.80
240	114SS-A	Material	Stackable Snap-In Hangers (1-1/4")	$ 4.55	$ 1,092.00
1000	CF114-50JA	Material	1-1/4" Cellflex Ultra flexible low-loss foam dielectric cable (per foot)	$ 7.86	$ 7,857.14
1	Shipping	Material	Cable Shipping	$ 500.00	$ 500.00
8	15566032	Material	Connector, N Male OMNI FIT for 1/2" LCF12-50J & ICA12-50JPL	$ 13.75	$ 110.00
500	LCF12-50J	Material	(# 70393) Cable, RFS 810918-001CELLFLEX 1/2 inch 50 Ohm coax cable with foam dielectric (per foot)	$ 3.44	$ 1,718.75
120	12SS-A	Material	Valmont Stackable Snap-In Hangers (1/2") (per each)	$ 25.94	$ 3,112.50
2	GK-C12	Material	Clip-On Ground Kits (1/2" Corrugated Cable)	$ 35.29	$ 70.58
120	Tower Climbing Labor	Labor - Contractor	Contractor install all antenna equipment - prevailing wage	$ 185.00	$ 22,200.00
1	Lift	Labor - Contractor	Lift for 2 days	$ 8,421.05	$ 8,421.05
8	Marcus Grounding Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Power system Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Microwave System Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Combiner Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	System Optimization	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
					$ 216,746.05

8. Site 3 - 229 Mountain Road, Granby - New Tower construction

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
			3 UHF CH (2 PD, 1 EMS), PD Ch 1: 460.525 / 465.525 MHz, PD Ch 2: unknown, EMS: unknown		
			3 VHF CH (2 FD, 1 DPW), FD Ch 1: 154.7925 / 151.3775 MHz, FD Ch 2: unknown, DPW: 155.0625 / 158.7625 MHz		
1	73-67-25-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"3-4WV 5W-100W, Config Rev: 126298.0	$ 6,517.64	$ 6,517.64
1	T-Pass for Second PD channel	Material	T-Pass for Second PD channel - town requested during bid review	$ 3,103.64	$ 3,103.64
1	42-57D-05-08N-48	Material	Multicoupler, 380-512 MHz, Rx, 8 Ports, N Connector	$ 2,486.25	$ 2,486.25
1	73-38-05-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"1.4WV 5W-100W, Config Rev: 126299.0	$ 8,248.50	$ 8,248.50
1	42-36C-05-08B-48	Material	Receive Multicoupler, 118-174MHz, 8 ports, 48VDC, BNC, Config Rev: 126297.0	$ 2,640.63	$ 2,640.63
1	Zoning - Marcus Labor	Labor - PM	Marcus Zoning Labor	$ 1,500.00	$ 1,500.00
0	Permitting	Material	Permit fees are addressed in pricing summary section	$ -	$ -
1	Site Work	Material	Boring - Truck, Rig and Crew	$ 6,250.00	$ 6,250.00
1	Site Work	Material	Geotechnical soils report/LS	$ 875.00	$ 875.00
1	Surveying Fees	Material	Surveying	$ 7,500.00	$ 7,500.00
1	Surveying Fees	Material	Lot Staking. Prepare a plot plan for use in permitting of proposed cell tower	$ 875.00	$ 875.00
1	Engineering Fees	Material	Valmont Tower Design fee	$ 1,500.00	$ 1,500.00
1	Surveying Fees	Material	A & E Site Walk	$ 1,500.00	$ 1,500.00

1	Engineering Fees	Material	FAA 2C Certification Letter	$ 1,500.00	$ 1,500.00
1	Surveying Fees	Material	Construction drawings	$ 18,750.00	$ 18,750.00
1	Structural Analysis	Material	Independent Structural Engineering Consultant Review	$ 1,875.00	$ 1,875.00
1	Special Inspections	Material	Materials testing & inspection services	$ 6,250.00	$ 6,250.00
1	Tower Steel	Material	Anchor Steel	$ 4,462.50	$ 4,462.50
1	Tower Steel	Material	U-20 X 180' Self Supporting Tower	$ 81,000.00	$ 81,000.00
1	Tower Steel Shipping	Material	Tower steel shipping	$ 5,625.00	$ 5,625.00
4	Site Work	Material	Tree cutting and removal - prevailing wage	$ 3,330.88	$ 13,323.53
15	Site Work	Material	Tower - offload, assemble and erect- prevailing wage	$ 3,330.88	$ 49,963.24
20	Site Work	Material	Foundations - prevailing wage	$ 3,638.24	$ 72,764.71
1	Site Work	Material	Ice Bridge - prevailing wage	$ 3,330.88	$ 3,330.88
40	Site Work	Material	Tower compound - prevailing wage	$ 3,330.88	$ 133,235.29
3	Site Work	Material	Site Grounding - prevailing wage	$ 3,638.24	$ 10,914.71
1	Cable Support	Material	Cable Support	$ 1,250.00	$ 1,250.00
2	Signage	Material	Tower compound signage	$ 250.00	$ 500.00
1	Shelter	Material	Shelter	$ 90,000.00	$ 90,000.00
1	Shelter Shipping	Material	Shelter Shipping	$ 8,750.00	$ 8,750.00
1	Eversource New Service Fee	Material	Eversource New Service Fee	$ 5,625.00	$ 5,625.00
1	Electrical work - Generator only	Material	Electrical work - Generator only - prevailing wage	$ 3,281.62	$ 3,281.62
1	Electrical work - Site	Material	Electrical work - Site - Marcus will cover all costs of the electrical work from the town supplied electrical meter service to the shelter distribution panel. NOTE ADDED per 8/20/24 meeting with John Horr. - prevailing wage	$ 36,764.71	$ 36,764.71
1	Generator	Material	New 30KW generator - Granby RFP page 6 states that a generator must be installed at each site.	$ 21,250.00	$ 21,250.00
1	Transfer Switch	Material	200 amp transfer switch.	$ 3,181.25	$ 3,181.25
1	Propane tank and plumbing	Material	500 gallon tank and piping	$ 8,125.00	$ 8,125.00
1	SC346-HF3SNF(D00)	Material	Aurora™ collinear omni, 6 dBd, N-female connector 450-470	$ 873.44	$ 873.44
1	SC34A-SF3LDF(D00	Material	Aurora™ collinear omni, 10 dBd, 7/16 DIN-Female connector, low PIM 450-470	$ 1,198.44	$ 1,198.44
2	SC266-HF4LDF(D00-PIP)	Material	Collinear omni antenna, 6 dBd gain, low PIM, HD, 7/16 DIN(f) connector 156-174	$ 2,750.31	$ 5,500.63
1	Shipping	Material	Antenna Shipping	$ 562.50	$ 562.50
8	716M-LCF114-D01	Material	7/16 DIN/M OMNI FIT Connector for 1-1/4" LCF/UCF	$ 101.23	$ 809.80
8	716F-LCF114-D01K	Material	Connector; 7/16" D/F Omni fit for 1 1/4" LCF & UCF114-50	$ 78.25	$ 626.00
8	HG114	Material	Lace-Up Hoisting Grips (1-1/4" Coax & LMR-1700)	$ 18.24	$ 145.90
16	GK-C114	Material	Clip-On Ground Kits (1-1/4" Corrugated Cable)	$ 19.36	$ 309.80
240	114SS-A	Material	Stackable Snap-In Hangers (1-1/4")	$ 4.55	$ 1,092.00
1000	CF114-50JA	Material	1-1/4" Cellflex Ultra flexible low-loss foam dielectric cable (per foot)	$ 6.88	$ 6,875.00
1	Shipping	Material	Cable Shipping	$ 500.00	$ 500.00
8	15566032	Material	Connector, N Male OMNI FIT for 1/2" LCF12-50J & ICA12-50JPL	$ 13.75	$ 110.00
500	LCF12-50J	Material	(# 70393) Cable, RFS 810918-001CELLFLEX 1/2 inch 50 Ohm coax cable with foam dielectric (per foot)	$ 3.44	$ 1,718.75
120	12SS-A	Material	Valmont Stackable Snap-In Hangers (1/2") (per each)	$ 25.94	$ 3,112.50
2	GK-C12	Material	Clip-On Ground Kits (1/2" Corrugated Cable)	$ 35.29	$ 70.58
120	Tower Climbing Labor	Labor - Contractor	Contractor install all antenna equipment	$ 185.00	$ 22,200.00
8	Marcus Grounding Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Power system Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Microwave System Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Combiner Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	System Optimization	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
					$ 677,824.41

9. Site 4 - Metacomet Ridge, East Granby, Monopole					
Qty	**Manufac P/N**	**Labor or Material**	**Description**	**Unit Price**	**Extended**
			3 UHF CH (2 PD, 1 EMS), PD Ch 1: 460.525 / 465.525 MHz, PD Ch 2: unknown, EMS: unknown		
			2 VHF CH (2 FD), FD Ch 1: 154.7925 / 151.3775 MHz, FD Ch 2: unknown		
1	73-67-25-2D-03	Material	T-PASS TX MULTCPLR 3 CH 1, 0"3-4WV 5W-100W, Config Rev: 126298.0	$ 6,517.64	$ 6,517.64
1	T-Pass for Second PD channel	Material	T-Pass for Second PD channel - town requested during bid review	$ 3,103.64	$ 3,103.64
1	42-57D-05-08N-48	Material	Multicoupler, 380-512 MHz, Rx, 8 Ports, N Connector	$ 2,486.25	$ 2,486.25
1	73-38-05-2D-02	Material	T-PASS TX MULTCPLR 2 CH 1, 0"1.4WV 5W-100W	$ 5,195.00	$ 5,195.00
1	42-36C-05-08B-48	Material	Receive Multicoupler, 118-174MHz, 8 ports, 48VDC, BNC, Config Rev: 126297.0	$ 2,640.63	$ 2,640.63
4	Zoning	Material	Zoning	$ 218.75	$ 875.00
0	Permitting	Material	Permit fees are addressed in pricing summary section	$ -	$ -
1	Surveying Fees	Material	Construction drawings-tower/compound - 1	$ 4,375.00	$ 4,375.00

1	Surveying Fees	Material	Lot Staking - Compound	$ 3,125.00	$ 3,125.00
1	Structural Analysis	Material	Independent Structural Engineering Consultant Review	$ 3,750.00	$ 3,750.00
1	Site Work	Material	Ice Bridge includes labor- prevailing wage	$ 6,617.65	$ 6,617.65
11	Site Work	Material	Tower compound - prevailing wage	$ 3,330.88	$ 36,639.71
1	Site Work	Material	Site Grounding - prevailing wage	$ 3,638.24	$ 3,638.24
1	Signage	Material	Tower compound signage	$ 142.86	$ 142.86
1	Fence	Material	Fencing and weed control fabric with 6" of stone - prevailing wage	$ 6,722.69	$ 6,722.69
1	3OD-78DDXC	Material	Outdoor Cabinet Enclosure; 78"x88.5"x42" painted cream, insulated	$ 22,482.50	$ 22,482.50
1	ACP-8000-N36-110	Material	Air Conditioner; 8,000 BTU Pentair Air Conditioner Unit	$ 6,133.75	$ 6,133.75
1	Shelter Shipping	Material	Shelter Shipping	$ 3,519.00	$ 3,519.00
35	Shelter Assembly	Material	Assembly on site - prevailing wage	$ 185.00	$ 6,475.00
1	Cabinet Concrete slab	Material	Concrete slab	$ 5,000.00	$ 5,000.00
1	Electrical work - Generator only	Material	Electrical work - Generator only - prevailing wage	$ 3,281.62	$ 3,281.62
1	Electrical work - Site	Material	Electrical work - Site - prevailing wage	$ 29,411.76	$ 29,411.76
1	Generator	Material	New 30KW generator	$ 21,250.00	$ 21,250.00
1	Generator Concrete slab	Material	Concrete slab	$ 3,000.00	$ 3,000.00
1	Generator	Labor - Contractor	Generator Install - prevailing wage	$ 4,411.76	$ 4,411.76
1	Transfer Switch	Material	200 amp transfer switch.	$ 3,181.25	$ 3,181.25
1	Propane tank and plumbing	Material	Tank and piping - prevailing wage	$ 8,823.53	$ 8,823.53
1	Tank Concrete slab	Material	Concrete slab	$ 3,000.00	$ 3,000.00
1	SC346-HF3SNF(D00)	Material	Aurora™ collinear omni, 6 dBd, N-female connector 450-470	$ 873.44	$ 873.44
1	SC34A-SF3LDF(D00	Material	Aurora™ collinear omni, 10 dBd, 7/16 DIN-Female connector, low PIM 450-470	$ 1,198.44	$ 1,198.44
2	SC266-HF4LDF(D00-PIP)	Material	Collinear omni antenna, 6 dBd gain, low PIM, HD, 7/16 DIN(f) connector 156-174	$ 2,750.31	$ 5,500.63
1	Shipping	Material	Antenna Shipping	$ 562.50	$ 562.50
8	716M-LCF114-D01	Material	7/16 DIN/M OMNI FIT Connector for 1-1/4" LCF/UCF	$ 101.23	$ 809.80
8	716F-LCF114-D01K	Material	Connector; 7/16" D/F Omni fit for 1 1/4" LCF & UCF114-50	$ 78.25	$ 626.00
8	HG114	Material	Lace-Up Hoisting Grips (1-1/4" Coax & LMR-1700)	$ 18.24	$ 145.90
16	GK-C114	Material	Clip-On Ground Kits (1-1/4" Corrugated Cable)	$ 19.36	$ 309.80
240	114SS-A	Material	Stackable Snap-In Hangers (1-1/4")	$ 4.55	$ 1,092.00
1000	CF114-50JA	Material	1-1/4" Cellflex Ultra flexible low-loss foam dielectric cable (per foot)	$ 6.88	$ 6,875.00
1	Shipping	Material	Cable Shipping	$ 500.00	$ 500.00
8	15566032	Material	Connector, N Male OMNI FIT for 1/2" LCF12-50J & ICA12-50JPL	$ 13.75	$ 110.00
500	LCF12-50J	Material	(# 70393) Cable, RFS 810918-001CELLFLEX 1/2 inch 50 Ohm coax cable with foam dielectric (per foot)	$ 3.44	$ 1,718.75
120	12SS-A	Material	Valmont Stackable Snap-In Hangers (1/2") (per each)	$ 25.94	$ 3,112.50
2	GK-C12	Material	Clip-On Ground Kits (1/2" Corrugated Cable)	$ 35.29	$ 70.58
120	Tower Climbing Labor	Labor - Contractor	Contractor install all antenna equipment - prevailing wage	$ 185.00	$ 22,200.00
1	Lift	Labor - Contractor	Lift for 2 days	$ 8,421.05	$ 8,421.05
8	Marcus Grounding Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Power system Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Microwave System Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Combiner Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	System Optimization	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
					$ 267,325.85

Qty	Manufac P/N	Labor or Material	10. Site 5 - 15 N. Granby Rd - Granby's microwave hub, SBA Tower. Municipal Complex Description	Unit Price	Extended
			1 UHF CERT CH Unknown		
1	73-38-05-2D-02	Material	T-PASS TX MULTCPLR 2 CH 1, 0"1-4WV 5W-100W, Config Rev: 126300.0	$ 5,690.75	$ 5,690.75
1	Engineering/Drawings	Material	Structural analysis	$ 4,375.00	$ 4,375.00
2	Signage	Material	Required in RFQ	$ 357.14	$ 714.29
0	Permitting	Material		$ 625.00	$ -
1	Testing/Inspection	Material	Final Inspection Fees	$ 1,875.00	$ 1,875.00
0	Ice Bridge	Material	Not needed, shelter is close to the tower	$ -	$ -
1	Site work	Material	Site Work to place generator - prevailing wage	$ 14,705.88	$ 14,705.88
0	Shelter	Material	Reusing existing shelter	$ -	$ -
8	Site Grounding	Material	Site Grounding - prevailing wage	$ 185.00	$ 1,480.00
1	Electrical work	Material	Electrical work to tie into existing generator - prevailing wage	$ 10,457.52	$ 10,457.52
0	Generator	Material	New 30KW generator - **DELETED, town requested during bid review**	$ 21,250.00	$ -
0	Generator Concrete slab	Material	Concrete slab - **DELETED, town requested during bid review**	$ 3,000.00	$ -

0	Transfer Switch	Material	200 amp transfer switch - **DELETED, town requested during bid review**	$ 3,181.25	$ -
0	Propane tank and plumbing	Material	Tank and piping - **DELETED, town requested during bid review**	$ 7,500.00	$ -
0	Tank Concrete slab	Material	Concrete slab - **DELETED, town requested during bid review**	$ 3,000.00	$ -
0	Fence	Material	Fence extension - **DELETED, town requested during bid review**	$ 3,750.00	$ -
8	15566032	Material	Connector, N Male OMNI FIT for 1/2" LCF12-50J & ICA12-50JPL	$ 13.75	$ 110.00
500	LCF12-50J	Material	(# 70393) Cable, RFS 810918-001CELLFLEX 1/2 inch 50 Ohm coax cable with foam dielectric (per foot)	$ 3.44	$ 1,718.75
120	12SS-A	Material	Valmont Stackable Snap-In Hangers (1/2") (per each)	$ 25.94	$ 3,112.50
2	GK-C12	Material	Clip-On Ground Kits (1/2" Corrugated Cable)	$ 35.29	$ 70.58
120	Tower Climbing Labor	Labor - Contractor	Contractor install all antenna equipment - prevailing wage	$ 185.00	$ 22,200.00
1	Lift	Labor - Contractor	Lift for 2 days	$ 8,421.05	$ 8,421.05
40	Tower Climbing Labor	Labor - Contractor	Contractor to remove existing tower per RFP - prevailing wage	$ 185.00	$ 7,400.00
1	Crane	Labor - Contractor	Crane for tower removal - prevailing wage	$ 7,500.00	$ 7,500.00
1	Building Repair Labor	Labor - Contractor	Contractor to repair building once tower is removed - prevailing wage	$ 11,029.41	$ 11,029.41
32	Marcus Labor	Labor - Onsite	Labor to pull fiber between PD and tower site using existing underground conduit - Prevailing Wage	$ 185.00	$ 5,920.00
8	Marcus Grounding Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
8	Marcus Power system Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
12	Marcus Microwave System Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 2,220.00
4	Marcus Combiner Labor	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 740.00
8	System Optimization	Labor - Onsite	Marcus Labor - Prevailing Wage	$ 185.00	$ 1,480.00
					$ 114,180.72

11. Project Management

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
80	Project Management	Labor - PM	Site 1 - Gavitt Rd	$ 150.00	$ 12,000.00
80	Project Management	Labor - PM	Site 2 - Upper Meadow Ln	$ 150.00	$ 12,000.00
80	Project Management	Labor - PM	Site 3 - Mountain Rd	$ 150.00	$ 12,000.00
80	Project Management	Labor - PM	Site 4 - Metacomet Ridge	$ 150.00	$ 12,000.00
80	Project Management	Labor - PM	Site 5 - Town Hall	$ 150.00	$ 12,000.00
80	Project Management	Labor - PM	Radio installs	$ 150.00	$ 12,000.00
70	Project Management	Labor - PM	System Development	$ 150.00	$ 10,500.00
100	Project Management	Labor - PM	Monthly meetings over the 16 months	$ 150.00	$ 15,000.00
40	Project Management	Labor - PM	Dispatch Console	$ 150.00	$ 6,000.00
208	Project Management	Labor	Prevailing Wage processing - Granby was not originally a prevailing wage job but was changed to one during the contract stage	$ 214.29	$ 44,571.43
					$ 148,071.43

12. System Engineering

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
25	Final Design Review	Labor - CDR	Site 1 - Gavitt Rd	$ 156.25	$ 3,906.25
25	Final Design Review	Labor - CDR	Site 2 - Upper Meadow Ln	$ 156.25	$ 3,906.25
25	Final Design Review	Labor - CDR	Site 3 - Mountain Rd	$ 156.25	$ 3,906.25
25	Final Design Review	Labor - CDR	Site 4 - Metacomet Ridge	$ 156.25	$ 3,906.25
25	Final Design Review	Labor - CDR	Site 5 - Town Hall	$ 156.25	$ 3,906.25
4	LABOR-RADIO IN	Labor - FCC	Perform Intermod study	$ 193.75	$ 775.00
10	LABOR-RADIO IN	Labor - FCC	Labor time for FCC licensing	$ 181.25	$ 1,812.50
14	FCC Fees	Labor - FCC	Optional PD frequency added during Town's review. A change order will be required for any cost beyond this budget.	$ 181.25	$ 2,537.50
0	Network monitoring	Labor	Network monitoring system - see Section below	$ -	$ -
					$ 24,656.25

13. System Staging

Qty	Manufac P/N	Labor or Material	Description	Unit Price	Extended
80	Staging	Labor - Staging	Staging at shop	$ 168.75	$ 13,500.00
25	Staging - second PD channel	Labor - Staging	Staging at shop - Second PD Channel	$ 168.75	$ 4,218.75
25	Staging - third PD channel	Labor - Staging	Staging at shop - Second PD Channel	$ 168.75	$ 4,218.75
8	Staging	Labor - Staging	Formal staging with Town officials at our shop	$ 168.75	$ 1,350.00
32	Movers- Prevailing Wage	Labor - Staging	3 Movers for a full day to deliver all site equipment with Marcus staff	$ 225.00	$ 7,200.00
50	Site setup - Prevailing Wage	Labor - Staging	Marcus staff to setup all equipment at each location	$ 225.00	$ 11,250.00

					$ 41,737.50

14. Coverage and Acceptance Testing

Qty	Manufac P/N		Description	Unit Price	Extended
32	Infrastructure ATP	Labor - Coverage Acceptance	Infrastructure Acceptance Test Plan here in shop	$ 168.75	$ 5,400.00
24	Site Commissioning	Labor - Coverage Acceptance	Site Commissioning onsite	$ 168.75	$ 4,050.00
24	Functional Acceptance	Labor - Coverage Acceptance	Functional Acceptance Test	$ 168.75	$ 4,050.00
81	BER Testing	Labor - Coverage Acceptance	Coverage Testing - BER Testing - town requested during bid review	$ 150.00	$ 12,150.00
92	Additional in Building Coverage	Labor - Coverage Acceptance	In Building Coverage Testing - 14 buildings with 3 Marcus reps (includes additional reporting)	$ 150.00	$ 13,800.00
0	RSSI Testing	Labor - Coverage Acceptance	RSSI Testing - Not Required By Granby	$ 168.75	$ -
48	DAQ	Labor - Coverage Acceptance	DAQ Drive Testing - Assumes two people 3 days	$ 168.75	$ 8,100.00
16	Documentation	Labor - Coverage Acceptance	Documentation for Drive Testing	$ 168.75	$ 2,700.00
					$ 50,250.00

15. Documentation

Qty	Manufac P/N		Description	Unit Price	Extended
16	Closeout Documentation	Labor - PM	Site 1 - Gavitt Rd	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Site 2 - Upper Meadow Ln	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Site 3 - Mountain Rd	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Site 4 - Metacomet Ridge	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Site 5 - Town Hall	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Console	$ 156.25	$ 2,500.00
16	Closeout Documentation	Labor - PM	Other items	$ 156.25	$ 2,500.00
					$ 17,500.00

16. Training

Qty	Manufac P/N		Description	Unit Price	Extended
			Infrastructure		
2	Training	Labor - Training	Site Support Training (Physical Facilities)	$ 135.00	$ 270.00
4	Training	Labor - Training	System Admin/Management Training	$ 135.00	$ 540.00
8	Training	Labor - Training	System Overview Training	$ 135.00	$ 1,080.00
2	Training	Labor - Training	Radio System Maintenance Training	$ 135.00	$ 270.00
2	Training	Labor - Training	Network System Maintenance Training	$ 135.00	$ 270.00
0	Training	Labor - Training	Console Operator Training included in console section	$ 135.00	$ -
4	Training	Labor - Training	Train the Trainers	$ 135.00	$ 540.00
			Subscribers		
2	Training	Labor - Training	Radio User Training	$ 135.00	$ 270.00
0	Training	Labor - Training	Radio Programming Software Training- **DELETE, town requested during bid review**	$ 135.00	$ -
0	Training	Labor - Training	Train the Trainers - **DELETE, town requested during bid review**	$ 135.00	$ -
					$ 3,240.00

17. Subscribers

Qty	Manufac P/N		Description	Unit Price	Extended
			GPD (Public Safety)		
			ADDED 2 TRI Band Portable radios in Section 21, town requested during bid review		
			PD Portables		
24	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 40,525.46
24	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 11,802.73
24	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 11,802.73
24	832VP8000-7800	Material	7/800 MHz key for VP8000	$ 491.78	$ 11,802.73
24	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 3,610.15
24	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity) Added a spare battery for each radio - town requested during bid review	$ 150.42	$ 3,610.15
24	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 1,733.27
24	8323000003	Material	Multi Key DES	$ -	$ -
24	8323000004	Material	Multi Key AES	$ 385.17	$ 9,244.10

24	8322000002	Material	P25 Conventional	$ 285.44	$ 6,850.54
24	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 2,393.56
24	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 7,840.98
24	8326000001	Material	P25 Authentication	$ 82.54	$ 1,980.88
24	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 990.44
24	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 3,879.22
24	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 15,629.27
24	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 2,613.11
24	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 1,676.78
24	Programming	Labor - Programming	Programming	$ 24.39	$ 585.37
			Added 4 PD P25 UHF Portable Radios for the schools (High School, Middle School, Wells and Kelly). Then were requested to add another 3.		
			No longer being allocated for schools - PD requesting these for their own use		
7	VP5330F2	Material	UHF P25 Viking Portable Radio	$ 1,585.71	$ 11,100.00
7	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 288.88
7	KWD-AE30K	Material	AES FIPS140-2 & DES Encryption Module	$ 886.29	$ 6,204.00
7	8323000004	Material	Multi Key DES-OFB and AES	$ 409.76	$ 2,868.29
7	KRA-27M	Material	UHF antenna	$ 17.14	$ 120.00
14	KNB-L11X	Material	Li-Ion 3900 mAh (L11 High Capacity)	$ 154.76	$ 2,166.71
7	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 135.69	$ 949.80
7	Programming	Labor - Programming	Programming	$ 24.39	$ 170.73
			ADDED Cases for all portable radios - PD 24, town requested during bid review		
24	KW9130 - LP and LF	Material	Case for Kenwood/Viking VP8000 Leather Case, Police style D- Swivel, Compatible with Large Battery capacity L3, LS7, L11 battery	$ 68.57	$ 1,645.71
24	R50840000L30	Material	Leather belt loop, 3", VP-H/VP-T	$ 21.43	$ 514.29
			ADDED Six Bay Charger for PD, town requested during bid review		
1	EC6M	Material	ENDURA 06-Bay Charger	$ 449.12	$ 449.12
			DELETED 3 TRI Band Base radios, town requested during bid review		
			ADDING 2 Triband Mobiles for total of 14 per 8/20/24 Contract Review with John Horr		
			PD Mobiles		
14	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 28,935.95
14	VM7930BF-S	Material	Mobile Radio, VM 7000, 700-800 MHz	$ 949.17	$ 13,288.39
14	VM7730BF-S	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 949.17	$ 13,288.39
14	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 611.46
14	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 7,026.48
14	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 823.30
14	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 632.64
14	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 165.62
14	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 526.72
14	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 1,636.98
14	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 702.94
14	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 160.83
14	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 3,996.15
14	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 1,396.24
14	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 4,573.90
14	8323000003	Material	Multi Key DES	$ -	$ -
14	8323000004	Material	Multi Key AES	$ 385.17	$ 5,392.39
14	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 577.76
14	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 2,262.88
14	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 9,117.07
14	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 365.20
14	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 563.41
14	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 2,342.44
5	Programming	Labor - Programming	Programming	$ 24.39	$ 121.95
112	Labor - Installation	Labor - Installation	Onsite Labor Prevailing Wage	$ 185.00	$ 20,720.00
			Added 1 PD UHF base Radio with 3 remotes		

1	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 2,066.85
1	KMC-9	Material	Microphone, Desktop Microphone w/ 80 Series Connector. Compatible w/ TK-715, TK-930, TK-931, TKB-720, TKR-720, TKF	$ 63.02	$ 63.02
1	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 501.89
1	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 58.81
1	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 45.19
1	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 11.83
1	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 37.62
1	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 116.93
1	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 50.21
1	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 285.44
1	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 99.73
1	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 326.71
1	8326000001	Material	Licensing Key, P25 Authentication, Viking	$ 82.54	$ 82.54
1	8323000003	Material	Multi Key DES	$ -	$ -
1	8323000004	Material	Multi Key AES	$ 385.17	$ 385.17
1	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 41.27
1	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 161.63
1	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 651.22
1	ICT12-12	Material	Power Supply; 115VAC 13.8VDC 12A/10A Comm Series Power Supply - Fits into all ICT hoods	$ 102.59	$ 102.59
1	BASEKEN11	Material	Base Station Radio Hood for ICT12012-10/11/12 AG power supplies for Kenwood TK-7180/8180 radios.	$ 33.61	$ 33.61
1	Control Station Antenna	Material	Parts needed for control station antennas	$ 628.05	$ 628.05
1	Programming	Labor - Programming	Programming	$ 24.39	$ 24.39
1	ITA2000A	Material	Tone Remote Adapter, 16 chan/freq tone remote adapter. Monitor, desk mic connection, courtesy tones, supervisor control, accy & scanning adapter kit.	$ 2,308.67	$ 2,308.67
3	ITR1000	Material	Tone Remote Desktop, with Programmable 2-Line Control, 4 Freq, intercom, built-in mic & programmable constant-on speaker, audio mute/unmute, PTT Handset	$ 1,727.78	$ 5,183.35
20	Labor - Installation	Labor - Installation	Onsite Labor Prevailing Wage	$ 185.00	$ 3,700.00
1	Install Kit	Material	Radio Install Kit	$ 150.00	$ 150.00
					$ 301,394.79

Qty	Manufac P/N		Description	Unit Price	Extended
			LAFD (Public Safety)		
			Officer Portables		
			DELETEED 4 TRI Band Portable radios, town requested during bid review		
			DELETED ALL Triband radios per 8/20/24 Contract Review with John Horr		
			ADDED 19 Dual Band Portable radios, town requested during bid review		
			ADDED 1 Dual band portable per 8/20/24 Contract Review with John Horr - Even 40 count		
40	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 67,542.44
40	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 19,671.22
40	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 19,671.22
40	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 6,016.92
40	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 6,016.92
40	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 2,888.78
40	8323000003	Material	Multi Key DES	$ -	$ -
40	8322000002	Material	P25 Conventional	$ 285.44	$ 11,417.56
40	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 1,650.73
40	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 4,355.18
40	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 2,794.63
40	Programming	Labor - Programming	Programming	$ 24.39	$ 975.61
			ADDED 7 FD In Vehicle Portable Radio Chargers, town requested during bid review		
7	KVC-23	Material	Charger, Vehicle Charger, Rapid Charge DC	$ 257.49	$ 1,802.45
			ADDED Cases for all portable radios - FD 45, town requested during bid review		
45	KW9130 - LP and LF	Material	Case for Kenwood/Viking VP8000 Leather Case, Police style D- Swivel, Compatible with Large Battery capacity L3, LS7, L11 battery	$ 68.57	$ 3,085.71
45	5084600100	Material	Shoulder Strap, Leather, Heavy Duty, VP-H/VP-T (VP6000, VP400/600/900/VP8000)	$ 65.14	$ 2,931.43

			Control Stations - North, West, and Center - I BELIEVE THESE ARE DUPLICATED AND SHOULD BE DELETED		
			DELTING DUPLICATE CONTROL STATION SECTION per 8/20/24 Contract Review with John Horr - Even 40 count		
			Granby base to be located at Simsbury FD		
			DELETED 3 Dual Band Mobile radios, town requested during bid review		
			ADDED 1 FD VHF Base Radio to be installed at Simsbury FD		
1	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 2,066.85
1	KMC-9	Material	Microphone, Desktop Microphone w/ 80 Series Connector. Compatible w/ TK-715, TK-930, TK-931, TKB-720, TKR-720, TKF	$ 63.02	$ 63.02
1	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 501.89
1	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 58.81
1	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 45.19
1	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 11.83
1	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 37.62
1	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 116.93
1	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 50.21
1	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 285.44
1	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 99.73
1	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 326.71
1	8326000001	Material	Licensing Key, P25 Authentication, Viking	$ 82.54	$ 82.54
1	8323000003	Material	Multi Key DES	$ -	$ -
1	8323000004	Material	Multi Key AES	$ 385.17	$ 385.17
1	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 41.27
1	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 161.63
1	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 651.22
1	ICT12-12	Material	Power Supply; 115VAC 13.8VDC 12A/10A Comm Series Power Supply - Fits into all ICT hoods	$ 102.59	$ 102.59
1	BASEKEN11	Material	Base Station Radio Hood for ICT12012-10/11/12 AG power supplies for Kenwood TK-7180/8180 radios.	$ 33.61	$ 33.61
1	Control Station Antenna	Material	Parts needed for control station antennas	$ 628.05	$ 628.05
1	OUTPOST-2R	Material	Avtec Console to Radio Interface, Radio Controller, VoIP, 2 Ports, 12VDC input	$ 2,559.38	$ 2,559.38
1	Cable	Material	OUTPOST RJ-45 Connector for Outpost custom made by Marcus	$ 112.50	$ 112.50
1	SFW-MDC-1	Material	License to add MDC1200 ANI capability to an OUTPOST-2R endpoint, 1 required per channel.	$ 577.13	$ 577.13
1	Install Kit	Material	Radio Install Kit	$ 150.00	$ 150.00
1	Programming	Labor - Programming	Programming	$ 24.39	$ 24.39
8	Labor - Installation	Labor - Installation	Labor to setup and tie into console - Prevailing Wage	$ 185.00	$ 1,480.00
36	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 6,660.00
			Granby bases for each firehouse - North, West, Central		
			ADDED 3 FD TRI Base Radios for LAFD stations		
3	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 6,200.56
3	VM7930BF-S	Material	Mobile Radio, VM 7000, 700-800 MHz	$ 949.17	$ 2,847.51
3	VM7730BF-S	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 949.17	$ 2,847.51
3	KMC-9	Material	Microphone, Desktop Microphone w/ 80 Series Connector. Compatible w/ TK-715, TK-930, TK-931, TKB-720, TKR-720, TKF	$ 63.02	$ 189.07
3	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 1,505.67
3	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 176.42
3	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 135.57
3	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 35.49
3	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 112.87
3	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 350.78
3	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 150.63
3	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 856.32
3	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 299.20
3	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 980.12
3	8326000001	Material	Licensing Key, P25 Authentication, Viking	$ 82.54	$ 247.61
3	8323000003	Material	Multi Key DES	$ -	$ -
3	8323000004	Material	Multi Key AES	$ 385.17	$ 1,155.51
3	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 123.80
3	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 484.90
3	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 1,953.66
3	ICT12-12	Material	Power Supply; 115VAC 13.8VDC 12A/10A Comm Series Power Supply - Fits into all ICT hoods	$ 102.59	$ 307.76
3	BASEKEN11	Material	Base Station Radio Hood for ICT12012-10/11/12 AG power supplies for Kenwood TK-7180/8180 radios.	$ 33.61	$ 100.83
1	Install Kit	Material	Radio Install Kit	$ 150.00	$ 150.00

3	Control Station Antenna	Material	Parts needed for control station antennas	$ 628.05	$ 1,884.15
3	Programming	Labor - Programming	Programming	$ 24.39	$ 73.17
8	Labor - Installation	Labor - Installation	Labor to add paging and toning capabilities to base radios - Prevailing Wage	$ 185.00	$ 1,480.00
36	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 6,660.00
			Dual Band Dual Head Truck Radios - Primary Granby Radios for install (8 total vehicles - already one install completed prior to project in LA 51 - Triband Moto set up		
			ADDED 2 Dual Band Dual Head Mobile radios, town requested during bid review		
7	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 14,467.98
7	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 6,644.20
14	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 611.46
14	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 7,026.48
14	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 823.30
14	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 632.64
14	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 165.62
14	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 526.72
14	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 1,636.98
14	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 702.94
7	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 80.41
7	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 1,998.07
7	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
7	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 288.88
7	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 182.60
7	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 281.71
7	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 1,171.22
1	Install Kit	Material	Radio Install Kit	$ 150.00	$ 150.00
7	Programming	Labor - Programming	Programming	$ 24.39	$ 170.73
72	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 13,320.00
			ADDED per 8/20/24 Contract Review with John Horr		
			Officer Mobiles - Dual Band Singel Head for mutual aid (8 vehicles total)		
8	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 16,534.83
8	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 7,593.37
8	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 349.40
8	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 4,015.13
8	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 470.46
8	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 361.51
8	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 94.64
8	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 300.98
8	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 935.41
8	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 401.68
8	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 91.90
8	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 2,283.51
8	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
8	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 330.15
8	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 208.68
8	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 321.95
8	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 1,338.54
8	Programming	Labor - Programming	Programming	$ 24.39	$ 195.12
70	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 12,950.00
			Officer Mobiles Dual Band Single Head		
10	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 20,668.54
10	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 9,491.71
10	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 436.76
10	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 5,018.91
10	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 588.07
10	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 451.89
10	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 118.30
10	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 376.23
10	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 1,169.27

10	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 502.10
10	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 114.88
10	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 2,854.39
10	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
10	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 412.68
10	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 260.85
10	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 402.44
10	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 1,673.17
10	Programming	Labor - Programming	Programming	$ 24.39	$ 243.90
80	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 14,800.00
			ADDED 1 FD Dual Band Single Head Radio for UTV		
			Changed to Triband per 8/20/24 Contract Review with John Horr		
1	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 2,066.85
1	VM7930BF-S	Material	Mobile Radio, VM 7000, 700-800 MHz	$ 949.17	$ 949.17
1	VM7730BF-S	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 949.17	$ 949.17
1	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 43.68
1	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 501.89
1	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 58.81
1	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 45.19
1	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 11.83
1	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 37.62
1	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 116.93
1	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 50.21
1	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 11.49
1	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 285.44
1	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 99.73
1	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 326.71
1	8323000003	Material	Multi Key DES	$ -	$ -
1	8323000004	Material	Multi Key AES	$ 385.17	$ 385.17
1	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 41.27
1	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 161.63
1	8324000002	Material	OTAR (Over-the-Air Rekey)	$ 651.22	$ 651.22
1	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 26.09
1	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 40.24
1	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 167.32
1	Install Kit	Material	Radio Install Kit	$ 150.00	$ 150.00
1	Programming	Labor - Programming	Programming	$ 24.39	$ 24.39
12	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 2,220.00
			ADD 5 FD Pump Panel Headset systems		
5	5100D	Material	Intercom, Digital Intercom 1 Radio	$ 1,208.21	$ 6,041.07
30	107-0407-10	Material	Wired Interface Headset Module Single HM-10	$ 78.93	$ 2,367.86
30	UH-51	Material	Wired Headset under Helmet Radio PTT	$ 394.64	$ 11,839.29
30	108-0678-00	Material	Hanger Hook, Yellow NFPA for Headset	$ 12.09	$ 362.57
200	Cable	Material	Cable, 6C Flat (1 Foot increments)	$ 1.58	$ 316.67
5	Install Kit	Material	Radio Install Kit	$ 150.00	$ 750.00
80	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 14,800.00
					$ 404,586.40

Qty	Manufac P/N		Description	Unit Price	Extended
			DPW		
			DELETED 3 of 6 Dual Band Portable radios, town requested during bid review		
			Dual Band Portable Radios		
3	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 5,065.68
3	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 1,475.34
3	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 1,475.34
3	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 451.27
3	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 451.27

3	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 216.66
3	8322000002	Material	P25 Conventional	$ 285.44	$ 856.32
3	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
3	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 123.80
3	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 326.64
3	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 209.60
3	Programming	Labor - Programming	Programming	$ 24.39	$ 73.17
			Single Band Portable Radios - **ADDED 4 Single Band Portable radios, town requested during bid review**		
4	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 6,754.24
4	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 1,967.12
8	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 1,203.38
4	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 288.88
4	8322000002	Material	P25 Conventional	$ 285.44	$ 1,141.76
4	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
4	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 165.07
4	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 435.52
4	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 279.46
4	Programming	Labor - Programming	Programming	$ 24.39	$ 97.56
			ADDED Cases for all portable radios - DPW 7, town requested during bid review		
7	KW9130 - LP and LF	Material	Case for Kenwood/Viking VP8000 Leather Case, Police style D- Swivel, Compatible with Large Battery capacity L3, LS7, L11 battery	$ 68.57	$ 480.00
7	R50840000L30	Material	Leather belt loop, 3", VP-H/VP-T	$ 21.43	$ 150.00
			Single Band Mobile Radios		
30	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 62,005.61
0	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz - DELETED 30 UHF mobile radios, town requested during bid review	$ 949.17	$ -
30	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 1,310.27
30	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radi	$ 501.89	$ 15,056.74
30	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 1,764.22
30	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 1,355.66
30	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 354.91
30	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 1,128.69
30	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 3,507.80
30	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 1,506.29
30	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 344.63
30	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 8,563.17
30	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
30	8323000005	Material	License key, ARC4 (ADP Compatible) Viking - This is always free from EFJ	$ -	$ -
30	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 1,238.05
30	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 782.56
30	EMFLX-M10004	Material	Antenna, VHF 132-174 MHz 3dB Gain Roof Mount Antenna - ADD DPW VHF Antennas to replace Triband antennas	$ 56.83	$ 1,705.00
0	EM-M43002	Material	Tri Band Antenna w/sprg Black - DELETED 30 UHF mobile radios, town requested during bid review	$ 40.24	$ -
0	DBD3	Material	VHF / UHF Triplexer - DELETED 30 UHF mobile radios, town requested during bid review	$ 167.32	$ -
30	Programming	Labor - Programming	Programming	$ 24.39	$ 731.71
180	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 33,300.00
			Dual Band Mobile Radios - ADD 2 Dual Band radios, town requested during bid review		
2	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 4,133.71
2	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 1,898.34
2	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 87.35
2	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radi	$ 501.89	$ 1,003.78
2	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 117.61
2	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 90.38
2	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 23.66
2	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 75.25
2	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 233.85
2	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 100.42
2	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 22.98
2	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 570.88

2	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
2	8323000005	Material	License key, ARC4 (ADP Compatible) Viking - This is always free from EFJ	$ -	$ -
2	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 82.54
2	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 52.17
2	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 80.49
2	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 334.63
2	Programming	Labor - Programming	Programming	$ 24.39	$ 48.78
12	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 2,220.00
			Base Station Radios		
4	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF Primary	$ 2,066.85	$ 8,267.41
4	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 3,796.68
4	KMC-9	Material	Microphone, Desktop Microphone w/ 80 Series Connector. Compatible w/ TK-715, TK-930, TK-931, TKB-720, TKR-720, TKF	$ 63.02	$ 252.10
4	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 2,007.56
4	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 235.23
4	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 180.76
4	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 47.32
4	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 150.49
4	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 467.71
4	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 200.84
4	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 1,141.76
4	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
4	8323000005	Material	License key, ARC4 (ADP Compatible) Viking - This is always free from EFJ	$ -	$ -
4	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 165.07
4	ICT12-12	Material	Power Supply; 115VAC 13.8VDC 12A/10A Comm Series Power Supply - Fits into all ICT hoods	$ 102.59	$ 410.34
4	BASEKEN11	Material	Base Station Radio Hood for ICT12012-10/11/12 AG power supplies for Kenwood TK-7180/8180 radios.	$ 33.61	$ 134.44
4	Control Station Antenna	Material	Parts needed for control station antennas	$ 628.05	$ 2,512.20
4	Programming	Labor - Programming	Programming	$ 24.39	$ 97.56
20	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 3,700.00
					$ 193,287.69

Qty	Manufac P/N		Description	Unit Price	Extended
			GAA (Public Safety)		
			ADDED 2 GAA Triband portable radios, town requested during bid review		
			CHANGING TO 6 Triband portables per 8/20/24 Contract Review with John Horr		
6	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 10,131.37
6	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 2,950.68
6	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 2,950.68
6	832VP8000-7800	Material	7/800 MHz key for VP8000	$ 491.78	$ 2,950.68
6	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 902.54
6	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 902.54
6	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 433.32
6	8322000002	Material	P25 Conventional	$ 285.44	$ 1,712.63
6	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 598.39
6	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 1,960.24
6	8326000001	Material	P25 Authentication	$ 82.54	$ 495.22
6	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
6	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 247.61
6	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 969.80
6	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 653.28
6	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 419.20
6	Programming	Labor - Programming	Programming	$ 24.39	$ 146.34
			ADDED 10 GAA Dual portable radios per 8/20/24 Contract Review with John Horr		
10	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 16,885.61
10	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 4,917.80
10	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 4,917.80
10	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 1,504.23
10	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 1,504.23

10	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 722.20
10	8322000002	Material	P25 Conventional	$ 285.44	$ 2,854.39
10	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
10	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 412.68
10	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 1,088.80
10	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 698.66
10	Programming	Labor - Programming	Programming	$ 24.39	$ 243.90
			ADDED 4 vehcile cahrgers (one for each vehicle) and 1 rack charger per 8/20/24 Contract Review with John Horr		
4	KVC-23	Material	Charger, Vehicle Charger, Rapid Charge DC	$ 257.49	$ 1,029.97
1	EC6M	Material	ENDURA 06-Bay Charger	$ 449.12	$ 449.12
			ADDED Cases for all portable radios - GAA 12, town requested during bid review		
12	KW9130 - LP and LF	Material	Case for Kenwood/Viking VP8000 Leather Case, Police style D- Swivel, Compatible with Large Battery capacity L3, LS7, L11 battery	$ 68.57	$ 822.86
12	R50840000L30	Material	Leather belt loop, 3", VP-H/VP-T	$ 21.43	$ 257.14
			DELETED 4 vehicles, town requested during bid review. This will leave 8 sets of Triband radios to be installed in 1 Flycar and 3 Ambulances.		
8	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 16,534.83
8	VM7930BF-S	Material	Mobile Radio, 700/800 MHz	$ 949.17	$ 7,593.37
8	VM7730BF-S	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 949.17	$ 7,593.37
16	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 698.81
16	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 8,030.26
16	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 940.92
16	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 723.02
16	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 189.28
16	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 601.97
16	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 1,870.83
16	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 803.36
8	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 91.90
8	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 2,283.51
8	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 797.85
8	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 2,613.66
8	8326000001	Material	P25 Authentication	$ 82.54	$ 660.29
8	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 330.15
8	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 1,293.07
8	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
8	8323000005	Material	License key, ARC4 (ADP Compatible) Viking - This is always free from EFJ	$ -	$ -
8	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 208.68
8	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 321.95
8	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 1,338.54
4	Programming	Labor - Programming	Programming	$ 24.39	$ 97.56
64	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 11,840.00
			ADDED 4 GAA UHF single Band Dual Head Mobiles, town requested during bid review		
			CHANGING TO 3 CMED RADIOS per 8/20/24 Contract Review with John Horr		
3	VM5830BF2	Material	Mobile Radio, UHF (380-470 MHz)	$ 1,753.90	$ 5,261.71
6	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 262.05
6	KCH-19VM	Material	KCH-19 Single Remote	$ 150.43	$ 902.56
6	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 352.84
6	KRK-14HV	Material	KCH-19 Rear Panel	$ 132.74	$ 796.46
3	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 135.57
3	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 35.49
6	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 701.56
3	8322000002	Material	P25 Conventional (included)	$ -	$ -
3	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
3	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 123.80
3	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 78.26
3	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 120.73

3	Install Kit	Material	Radio Install Kit	$ 33.33	$ 100.00
3	Programming	Labor - Programming	Programming	$ 24.39	$ 73.17
16	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 2,960.00
			Base Radios		
2	VM7830BF-P	Material	Mobile Radio, UHF 450-520MHz Primary	$ 2,066.85	$ 4,133.71
2	VM7930BF-S	Material	Mobile Radio, 700/800 MHz	$ 949.17	$ 1,898.34
2	VM7730BF-S	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 949.17	$ 1,898.34
2	KMC-9	Material	Microphone, Desktop Microphone w/ 80 Series Connector. Compatible w/ TK-715, TK-930, TK-931, TKB-720, TKR-720, TKF	$ 63.02	$ 126.05
2	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 1,003.78
2	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 117.61
2	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 90.38
2	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 23.66
2	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 75.25
2	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 233.85
2	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 100.42
2	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 570.88
2	8322000005	Material	P25 Phase 1 Trunking	$ 99.73	$ 199.46
2	8322000006	Material	P25 Phase 2 TDMA	$ 326.71	$ 653.41
2	8326000001	Material	P25 Authentication	$ 82.54	$ 165.07
2	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
2	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 82.54
2	8324000003	Material	OTAP (Over-the-Air Programming)	$ 161.63	$ 323.27
2	ICT12-12	Material	Power Supply; 115VAC 13.8VDC 12A/10A Comm Series Power Supply - Fits into all ICT hoods	$ 102.59	$ 205.17
2	BASEKEN11	Material	Base Station Radio Hood for ICT12012-10/11/12 AG power supplies for Kenwood TK-7180/8180 radios.	$ 33.61	$ 67.22
2	Control Station Antenna	Material	Parts needed for control station antennas	$ 628.05	$ 1,256.10
2	Programming	Labor - Programming	Programming	$ 24.39	$ 48.78
16	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 2,960.00
					$ 162,328.60

Qty	Manufac P/N		Description	Unit Price	Extended
			CERT		
1	VM7730BF-P	Material	Mobile Radio, VM 7000, 136-174 MHz, VHF	$ 2,066.85	$ 2,066.85
1	VM7830BF2-S	Material	Mobile Radio, UHF 450-520MHz	$ 949.17	$ 949.17
1	KMC-65M	Material	KMC-65M Standard Mic	$ 43.68	$ 43.68
1	KCH-20RV	Material	Viking Full Featured Remote Control Panel for VM7000 series radio	$ 501.89	$ 501.89
1	KCT-71M2	Material	Remote Control Cable (17 feet)	$ 58.81	$ 58.81
1	KCT-23M3	Material	Cable, Power Cable Kenwood Mobile DC Cable (35-50W Remote mount; pos.23 ft.; neg. 3.3. ft. leads)	$ 45.19	$ 45.19
1	KMB-33M	Material	Kenwood Standard Mounting Bracket for NX-5700/5800/5900	$ 11.83	$ 11.83
1	KCT-71M4	Material	Remote Control Cable (1.6 feet)	$ 37.62	$ 37.62
1	KRK-17BF	Material	Control Head Remote Kit for KCH	$ 116.93	$ 116.93
1	KES-5A	Material	KES-5 speaker for KCH-20	$ 50.21	$ 50.21
1	KCT-46	Material	Cable, Ignition Sense Cable for V5800/V5900	$ 11.49	$ 11.49
1	8322000002	Material	Licensing Key, P25 Conventional, Viking	$ 285.44	$ 285.44
1	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
1	8323000005	Material	License key, ARC4 (ADP Compatible) Viking - This is always free from EFJ	$ -	$ -
1	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 41.27
1	LARNMOKUDNOCONN30	Material	3/4" Hole NMO Style mount w/30' RG58/U & No connector	$ 26.09	$ 26.09
1	EM-M43002	Material	Tri Band Antenna w/sprg Black	$ 40.24	$ 40.24
1	DBD3	Material	VHF / UHF Triplexer 140-174 / 406-512 MHz / 745-870 MHz	$ 167.32	$ 167.32
1	Programming	Labor - Programming	Programming	$ 24.39	$ 24.39
10	Labor - Installation	Labor - Installation	Onsite Labor - Prevailing Wage	$ 185.00	$ 1,850.00
			ADDED 2 Single Band Portable radios, town requested during bid review		
12	VP5330F2	Material	Portable Radio UHF 450-520MHz, Black (standard keypad)	$ 1,272.44	$ 15,269.27
12	KNB-L2M	Material	Battery, Li-Ion 2600 mAh (Standard)	$ 116.24	$ 1,394.93
12	KNB-L2M	Material	Battery, Li-Ion 2600 mAh (Standard) Add a spare battery for each radio - town requested during bid review	$ 116.24	$ 1,394.93
12	KRA-27M	Material	UHF Whip 440-490MHz	$ 13.76	$ 165.07
12	8322000002	Material	P25 Conventional (included)	$ -	$ -
12	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -

12	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 495.22
12	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 1,306.55
12	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 838.39
12	Programming	Labor - Programming	Programming	$ 24.39	$ 292.68
			ADDED Dual band portable per 8/20/24 Contract Review with John Horr		
			REMOVED SINGLE BAND BASE per 8/20/24 Contract Review with John Horr		
1	VP8000BKF2	Material	Portable Radio VP8000 Multi Band, Multi Protocol, Black, standard keypad	$ 1,688.56	$ 1,688.56
1	832VP8000-VHF	Material	VHF key for VP8000	$ 491.78	$ 491.78
1	832VP8000-UHF	Material	UHF key for VP8000	$ 491.78	$ 491.78
1	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity)	$ 150.42	$ 150.42
1	KNB-L3M	Material	Battery, Li-Ion 3500mAh (High Capacity) Add a spare battery for each radio - town requested during bid review	$ 150.42	$ 150.42
1	KRA-47MB	Material	Wideband Antenna	$ 72.22	$ 72.22
1	8322000002	Material	P25 Conventional	$ 285.44	$ 285.44
1	8323000001	Material	License Key; DES-OFB (Single Key)	$ -	$ -
1	8326000002	Material	MDC1200 / GE-Star Signaling	$ 41.27	$ 41.27
1	KMC-70M	Material	KMC-70M Speaker Mic (Black)	$ 108.88	$ 108.88
1	KSC-52BK	Material	Charger Single-Bay Unit for Kenwood/Viking	$ 69.87	$ 69.87
1	Programming	Labor - Programming	Programming	$ 24.39	$ 24.39
					$ 31,060.48
					$ 1,092,657.95

18. Fire Pagers

Qty	Manufac P/N		Description	Unit Price	Extended
40	G2VHF	Material	Pager, G2 VHF Single Band P25 Voice Pager (136-174) VHF A	$ 575.00	$ 23,000.00
40	Programming	Labor - Programming	Programming	$ 12.20	$ 487.80
					$ 23,487.80

19. GPS - Not required

Qty	Manufac P/N		Description	Unit Price	Extended
0	Marcus Labor	Labor - Onsite	Labor to setup GPS system	$ -	$ -
					$ -

20. Site Monitoring System

Qty	Manufac P/N	Invoice 79420	Description	Unit Price	Extended
1	Remote Computer	Material	Computer located at dispatch to log into Enable System	$ 1,125.00	$ 1,125.00
16	Marcus Labor	Labor - Onsite	Site monitoring labor time -Prevailing Wage	$ 218.75	$ 3,500.00
5	Control by Web or similar	Material	Control by Web or similar per Kevin	$ 1,875.00	$ 9,375.00
25	Marcus Labor	Labor - Onsite	Control by Web - Site monitoring labor time - Prevailing Wage	$ 218.75	$ 5,468.75
					$ 19,468.75

Communication System Summary

	Manufac P/N	Description	Extended
	1. Repeater System Equipment		$ 566,049.00
	2. Backhaul Microwave or Fiber Network Infrastructure		$ 103,001.70
	3. Dispatch		$ 370,792.47
	4. Spare Equipment		$ 1,987.53
	5. Power System and GPS References		$ 69,546.81
	6. Site 1 - 44 Gavitt Road Monopole		$ 212,737.90
	7. Site 2 - Upper Meadow Lane, Granby, Monopole		$ 216,746.05
	8. Site 3 - 229 Mountain Road, Granby - New Tower construction		$ 677,824.41
	9. Site 4 - Metacomet Ridge, East Granby, Monopole		$ 267,325.85
	10. Site 5 - 15 N. Granby Rd - Granby's microwave hub, SBA Tower. Municipal Complex		$ 114,180.72
	11. Project Management		$ 148,071.43
	12. System Engineering		$ 24,656.25
	13. System Staging		$ 41,737.50

	14. Coverage and Acceptance Testing				$ 50,250.00
	15. Documentation				$ 17,500.00
	16. Training				$ 3,240.00
	17. Subscribers				$ 1,092,657.95
	18. Fire Pagers				$ 23,487.80
	19. GPS - Not required				$ -
	20. Site Monitoring System				$ 19,468.75
			Communications System Subtotal		$ 4,021,262.13
			Includes Year 3 Warranty at no cost		$ (43,955.90)
			Granby's bid did not mention permit fess, we will assume the town does not charge themselves fees		$ -
			Bid and Performance Bond Not required by Granby		$ -
			System Total		**$ 3,977,306.22**

Recommended Cost Reduction Incentives

Qty	Manufac P/N		Description	Unit Price	Extended
1	Second Channel for Fire Department	Warranty - Discount	As required in the RFP, this line item is for a second FD VHF Channel		$ (42,135.00)
53	8323000004	Material - Discount	Multi Key AES	$ (385.17)	$ (20,414.05)
46	8324000002	Material - Discount	OTAR (Over-the-Air Rekey)	$ (651.22)	$ (29,956.10)
			Cost Reduction Incentives		**$ (92,505.15)**
			TOTAL Cost Reduction Incentives		**$ (92,505.15)**
			System Total with Cost Reductions Incentives		**$ 3,884,801.08**

Exhibit D Warranty: COMMUNICATIONS SYSTEM AGREEMENT

1. System Warranty

   Vendor warrants that it will render the Integration Services in a professional and workman like manner. Marcus warrants that the Communications System shall perform as required by this Agreement for a period of **Three (3)** years from System Acceptance, defined in the Communications System Agreement. Customer must notify Marcus in writing of any claim no later than one month after the expiration of the Warranty Period.

   The following warranty information relates to the manufacturers included in this Agreement. Each manufacturer has their own trigger which begins the warranty period. Regardless of the scope of coverage or the commencement or expiration date of any manufacturer's warranty, Marcus warrants that the Customer receives coverage for the full system warranty period.

2. Subscriber Equipment Warranty

   Marcus Communications, (Warrantor) warrants to the original owner thereof all parts of every new product or software purchased in the Continental United States or Canada to be free from defects in materials or workmanship, as hereinafter provided, for **three** years from the sooner of: the date of installation, or 90 days from shipment to Marcus Communications. This warranty is excluding all accessories and batteries which are covered for one year.

   Marcus communications will, at its option, repair or replace any equipment or software covered by this warranty, which becomes defective, malfunctions or otherwise fails to conform with this warranty under normal use and services during the term of this warranty, at no charge for parts or labor.

   In order to obtain warranty service, the equipment, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the equipment, must be delivered, to Marcus Communications in the Continental United States or Canada at the owner's expense. Any evidence of alteration, erasing or forgery of proof-of-purchase documents will be cause to void the warranty. The Town of Granby will deliver portables to Marcus in the event that it needs to be inspected under warranty. All other equipment including mobile and site infrastructure will require Marcus to be on site.

   This warranty does not cover defects, malfunctions or failures resulting from shipping or transit accidents, abuse, misuse, operation contrary to furnished instructions, operation to incorrect power supplies, operation with faulty associated equipment, modification, alteration, improper servicing, tampering and normal wear and tear. Equipment on which the serial number has been defaced

or removed shall not be eligible for warranty service. Should any equipment or software submitted for warranty service be found ineligible therefore, an estimate of repair cost will be furnished, and the repair will be accomplished if requested by the owner upon receipt of payment or acceptable arrangements for payment. Software operation is warranted only with the operating system for which it was designed. Warrantor will use its best efforts to enforce any software warranty provided by any third-party software copyright owner. Marcus Communications does not warrant that the functions contained in the software will meet customer's requirements or that the operation of the software will be uninterrupted or error free.

This is the only warranty applicable to products or software; Warrantor neither assumes nor authorizes anyone to assume for it any other warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WARRANTOR'S LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING WARRANTOR'S NEGLIGENCE, ALLEGED DAMAGED OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE EQUIPMENT. IN NO EVENT SHALL WARRANTOR BE LIABLE FOR LOSS OF USE, COMMERCIAL LOSS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER.

3. Software Warranty

Radio infrastructure related software error fixes for any software dependent equipment will be provided for the warranty period from the date of installation at no charge to the town. These updates will only relate to the repair of a discovered bug in the software or a programmer error in the software release purchased and delivered with the system. If manufacturer discovers any bugs and/or programming errors and releases an update under the original system/console purchase, we will pass that update along to customer, however the installation of firmware and software related to the software release is billable at the then current rates (these fees would not apply during the warranty period). Any request related to functionality or additional hardware expansion that requires firmware and/or software enhancements or upgrades available for the system will be the responsibility of the town and will be quoted separately. The radio equipment is the most flexible and advanced in the industry. It is impossible to predict what types of enhancements will be available in the future and therefore enhancements are not included in our price.

4. Equipment Warranty

The manufacturers warrant to the original purchaser for use (hereinafter "Buyer") that Equipment manufactured by or for the Seller shall be free from defects in material and workmanship and shall conform to its published specifications. With

respect to all non-Seller Equipment, Seller gives no warranty, and only the warranty, if any, given by the manufacturer shall apply unless an extended warranty is purchased.

A. Seller's obligations set forth in Paragraph C below shall apply only to failures to meet the above warranties occurring within the following periods of time from date of installation to the Buyer and are conditioned on Buyer's giving written notice to Seller within thirty (30) days of such occurrence:

1. for fuses and non-rechargeable batteries, operable on arrival only.
2. for service parts, ninety (90) days. (service parts are defined as field replaceable items).
3. for mobile and portable radios ("Subscriber Units"), three (3) years.
4. for radio accessories, one (1) year.
5. for all other equipment of Seller's manufacture, three (3) year.

B. If any Equipment fails to meet the foregoing warranties, Marcus Communications shall correct the failure at its option (i) by repairing any defective or damaged part or parts thereof, (ii) by making available at Seller's factory any necessary repaired or replacement parts, or (iii) by replacing the failed Equipment with equivalent new or refurbished Equipment. Any repaired or replacement part furnished hereunder shall be warranted for the remainder of the warranty period of the Equipment in which it is installed Labor to perform warranty service will be provided at no charge during the warranty period only for the Equipment covered under this contract. To be eligible for no-charge labor, service must be performed at Marcus Communications factory, by an Authorized Service Center (ASC) or other Servicer approved for these purposes either at its place of business during normal business hours, for mobile or personal equipment, or at the Buyer's location, for fixed location equipment.

C. Seller's obligations under Paragraph C shall not apply to any Equipment, or part thereof, which (i) has been modified or otherwise altered other than pursuant to Marcus Communications written instructions or written approval or, (ii) is normally consumed in operation or, (iii) has a normal life inherently shorter than the warranty periods specified in Paragraph B, or (iv) is not properly stored, installed, used, maintained or repaired, or, (v) has been subjected to any other kind of misuse or detrimental exposure, or has been involved in an accident.

D. The preceding paragraphs set forth the exclusive remedies for claims based upon defects in or nonconformity of the Equipment, whether the claim is in contract, warranty, tort (including negligence), strict liability or otherwise, and however instituted. Upon the expiration of the warranty period, all such liability shall terminate. The foregoing warranties are exclusive and in lieu of all other warranties, whether oral, written, expressed, implied or statutory.

E. NO IMPLIED OR STATUTORY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE SHALL APPLY. IN NO EVENT SHALL THE SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR EXEMPLARY DAMAGES.

This warranty applies only within the United States.

Exhibit E Training: COMMUNICATIONS SYSTEM AGREEMENT

Training will be conducted as follows:

Marcus Communications will create a training syllabus based on the final configurations of equipment and provide the training syllabus to the Town's representative. This training is considered to be conducted in the Town of Granby during normal daytime working hours. Training classes will be provided on the two major sections as outlined below.

Infrastructure:

Based on final system configuration, dispatch staff will be trained to interpret system messages generated at the dispatch console generated by new transmit sites. Marcus will conduct a complete training with a designated town representative and any requested backup personnel, this person(s) will then be a qualified trainer to assist other dispatchers and users. The following will be done in a "train the trainer" format.

- Conventional system overview.
- Network design overview.
- Use of console functions and features.
- Radio communication best practices.

Mobile and hand held Radios:

- Technical introduction – end user.
- Operation of controls and features.
- Safety features.
- Batteries and battery charging.
- End user – Public Safety "Best Practices" of proper use.

Marcus will also provide site alarm system training for technical staff responsible for managing the system.

COVERAGE ACCEPTANCE TEST PLAN

MARCUS communications

Including Coverage Prediction Maps

Prepared By: Marcus Communications
Prepared For: Town of Granby, Connecticut (Granby)
Total Test Pages: 13

ABOUT THIS TEST

These procedures provide an accurate, statistically valid, repeatable, objective, and cost-effective method to verify all of Granby's coverage requirements are met.

This Coverage Acceptance Test Plan ("ATP"), where possible, conforms with the requirements set forth in the latest revision of Telecommunications Industry Association ("TIA") Telecommunications Systems Bulletin TSB-88 titled "Wireless Communications Systems - Performance in Noise and Interference-Limited Situations - Recommended Methods for Technology-Independent Modeling, Simulation, and Verification". TSB-88 defines Channel Performance Criterion ("CPC") as the specified minimum design performance level in a faded channel and provides a set of Delivered Audio Quality (DAQ) CPCs that define subjective voice quality performance applicable to both analog voice and digital voice systems. The procedures set forth in this ATP provide an accurate, statistically valid, repeatable, objective, and cost-effective method to verify that the coverage requirements are met.

SITE PERFORMANCE VALIDATION

Electrical measurements and timing parameters of equipment are measured and levels recorded by Marcus Communications as part of the Marcus standard installation practices. Marcus Communications will provide these measurements to Granby as part of the final documentation package. These parameters include:

- Transmit frequency and deviation
- Output and reflected power
- Receiver sensitivity
- Receiver multicoupler gain (if applicable)
- Receiver preamplifier gain (if applicable)
- Time domain reflectometry of transmission line
- Combiner loss (if applicable)
- Audio line out
- Audio line in

Prior to conducting the testing procedures detailed in this document, we review each site to verify that the radio system is operating properly. The reviews verify the antenna configuration, the power into the antenna, the antenna installation, and the frequency of the test transmitter. We will provide all test equipment necessary to perform the reviews.

Definitions

Subscriber Unit Usage

All tests utilizing subscriber (terminal) units in this document will be performed with Marcus Communications subscriber units as proposed and similar to or taken from Granby stock or the original order. Prior to performing the tests, Marcus Communications will bench test and align all terminal radios to be used during coverage testing.

Test Vehicle Configuration

The Contractor will provide all vehicles required for the coverage testing as well as the driver for the field team(s). The same vehicle types and equipment installation configuration shall be used throughout the CATP so that a consistency of data is ensured. The non-stationary test equipment will be mounted inside one or more SUVs or vans, with external antennas mounted on the roof. The roof of the test vehicle(s) must not contain any other objects, including lightbars, roof racks, or other obstructions. All non-test radios must be turned off during testing. The test equipment may need to be divided into multiple test vehicles and/or test runs to avoid self-interference. Marcus Communications will determine the number of test vehicles required and which tests, if any, can be run concurrently.

Service Area

TSB-88 defines a service area as a boundary of the geographic area of concern for a user, and states that Validated CPC Service Area Reliability will be determined by the percentage of test locations in the bounded service area that meet or exceed the specified CPC. We are using a Bounded Area design for Granby as defined in TSB-88 wherein coverage predictions are made out to the boundary of the defined service area and coverage is verified throughout the service area out to the boundary through the performance of a Validated CPC Service Area Reliability test.

TSB-88 recommends coverage verification measurements at a statistically significant number of random test locations, uniformly distributed throughout the service area. We divide the service area by a test grid pattern using TSB-88 Estimate of Proportions analysis to determine the number and size of the test tiles. This analysis provides both statistically significant measurement results and a high confidence that the results are a true indication of the installed radio system coverage.

Service Area Grid Structure

Figure 1 provides our recommended tile sizes to obtain a uniform distribution of tiles throughout the service area(s).

Figure 1. Service Area and Tile Size

Service Area Definition	Tile Size (miles)
Town of Granby	0.25mi x 0.25mi

The grid pattern overlays onto street maps and the drive test team will navigate through all accessible tiles within the defined service area boundaries. To include as many test tiles as possible, the following roads have been deemed accessible:

- Primary roads
- Secondary roads
- Local roads (streets)
- Ramps
- Service drives
- Vehicular trails
- Private service roads

The drive route should not pass through tunnels, underground garages, or other man-made obstructive areas where radio coverage is not planned or expected. If a drive route passes through any of these areas, we disable the STI test unit to prevent collection of data in these areas.

Measurements will be made in all accessible tiles within the defined service area boundaries. We do not use test measurements that are outside of each service area boundary. Any areas or accessible tiles within the service area boundary that Granby decides not to test will have that grid eliminated reliability calculations.

We will discard inaccessible tiles from the reliability calculations by treating the inaccessible tiles as exclusion zones.

Any tiles that are believed to be inaccessible will be indicated on proposed grid maps. However, the final determination of tile accessibility will be reviewed and approved by the Town during the testing process. Every effort will be made to test every tile. Alternate testing vehicles such as boats and ATVs will be utilized when applicable. Final determination of a tile's inaccessibility shall be made by the field team. Tiles that are determined to be inaccessible shall be removed from the pass/fail calculation entirely.

Delivered Audio Quality

TSB-88 defines Channel Performance Criterion (CPC) as the specified minimum design performance level in a faded channel and provides a set of Delivered Audio Quality (DAQ) CPCs that define subjective voice quality performance applicable to both analog voice and digital voice systems. The DAQ definitions are provided in Figure 2.

Figure 2. Delivered Audio Quality Scale Definitions

Delivered Audio Quality	Subjective Performance Description
DAQ 5.0	Speech easily understood.
DAQ 4.5	Speech easily understood. Infrequent Noise/Distortion.
DAQ 4.0	Speech easily understood. Occasional Noise/Distortion.
DAQ 3.4	Speech understandable with repetition only rarely required. Some Noise/Distortion.
DAQ 3.0	Speech understandable with slight effort. Occasional repetition required due to Noise/Distortion.
DAQ 2.0	Understandable with considerable effort. Frequent repetition due to Noise/Distortion.
DAQ 1.0	Unusable, speech present but unreadable.

Stakeholder Responsibilities

Granby to provide:

- Review of route plans
- Customer representative(s) to participate in tests as necessary
- Access to the test areas as may be required in each test procedure

Marcus Communications to provide:

- SUV/van for roads-based drive testing
- A driver for Marcus Communications-provided vehicles
- Drive test measurement equipment
- Route plans
- Representatives to operate this equipment and execute the test procedures
- Representative(s) to participate in tests as necessary
- Final test results

Voice Quality Test

This test verifies RF coverage by evaluating the voice quality of voice test calls to/from a terminal radio at test locations throughout Granby's defined bounded service area. At each test location, the user places a test call to the dispatcher (an inbound call), and the dispatcher places a test call to the user (an outbound call). Evaluators grade the inbound and outbound test call at each location using the DAQ definitions in Figure 2. Scores that equal or exceed the specified CPC of DAQ 3.4 for digital and 3.0 for analog are recorded as PASS, and those lower than DAQ 3.4 and 3.0 are recorded as FAIL. The overall test will be considered passing if 95% or greater of tiles tested within the Granby service area are scored as PASS. The test will be performed twice at each location, using both the Granby PD channel and the Granby FD channel.

Test Equipment and Preparation

Portable radios of the same model as are being provided to Granby will be programmed and made available for testing.

Test Planning

The Contractor will use a 0.25-mile by 0.25-mile grid pattern to obtain an even or uniform distribution throughout Granby's entire service area. The grid pattern is overlaid onto street maps and a drive test route determined that will pass through the center point of all accessible grids within the Town boundary. All accessible tiles will be tested. The voice quality test is conducted at a randomly selected location within each tile, as close to the center of the tile as possible. To the extent possible, test locations in adjacent tiles should not be clustered closer to one another than 100λ[1] . All test calls will be made with the vehicle at street level outside any enclosure such as buildings, tunnels, underpasses, underground garages, or other man made obstructive areas where radio coverage is not planned or expected.

Grading of Test Locations

The test teams shall consist of two Town representatives and a representative from the Contractor. This will be comprised of one representative from the Contractor, one from the Town and one from the Town's consultant. There shall be one test team located in the dispatch center and one test team in the field. The Contractor shall provide the driver for the on-street testing. The driver shall only be responsible for the proper and safe operation of the vehicle and shall not participate in the audio quality testing. The driver shall get as close as possible to the center of each full grid for coverage testing. All navigation directions shall be the responsibility of the Contractor's representative and is expected to be provided via an automatic computerized system. During the drive testing, the exact location to stop and test will be verified on the map with grid overlays by the Town's representatives to ensure that the test location is at or as near as possible to the center of each tile.

The central team will consist of the following:

- Test Monitor – Dispatcher or other Town first responder (speaker)
- Test Monitor – Town's consultant
- Test Monitor – Provided by the Contractor

[1] Approximately 125-ft at 800 MHz, 245-ft at UHF and 650-ft at VHF.

- Observer – Optional participant provided by the Town
- Record keeper (can be a separate person or define which team member would perform that function)

The field team will utilize the test vehicle driving throughout the Town. This team will consist of the following members:

- Driver – Provided by the Contractor
- Test Monitor – Town first responder (speaker)
- Test Monitor – Town's consultant
- Test Monitor – Provided by the Contractor
- Observer – Optional participant provided by the Town
- Record Keeper – (can be a separate person or define which team member would perform that function)

The field team shall be responsible to document the specific details of any tiles that fail the DAQ test. In addition, the field team shall document the reason why any tiles were deemed to be inaccessible. The central dispatch team shall be responsible for keeping the overall test record including results for each tile and the overall results of the CATP. To reduce the time required for the coverage test, a single Dispatch team can support multiple Field teams.

The digital voice test calls within each tile consist of a short message representative of typical public safety call duration and include the identification of the location being tested. The suggested inbound test message is "TESTING TILE NUMBER XXX", followed by a short sentence or two from a newspaper or periodical such as USA Today. To ensure that the message is understood, the dispatcher then repeats the inbound test message. The dispatcher will then make a similar outbound test call. The suggested outbound test message is "CONFIRMING TILE XXX", followed by a different short sentence or two from a newspaper or periodical such as USA Today. The field team will then repeat the dispatcher's test message. Per TSB-88, if the message is not understood on the first attempt, the user is allowed to move and the test can be repeated one time.

Each of the representatives independently grades the test call using DAQ definitions in Figure 2, and records the test score for each test location using the template in Figure 5. PASS or FAIL determinations are made separately for the inbound and outbound calls at each location. For each call direction, a test location is deemed to PASS if a consensus is reached between graders that the test call meets or exceeds the requirement for DAQ 3.4 for digital and DAQ3.0 for analog voice quality.

The first test for a test point will be performed inside the vehicle for the sake of efficiency. If a test point fails either the outbound or inbound test, the tester will step outside the vehicle and retry the test. If the outdoor test fails in either direction, the point may be retried once more. For an outdoor retry, the test team is to move in any direction up to 3 feet and repeat the test. Upon failure of the outdoor retry the grid is confirmed as failing and may not be retried again. In the event the message classification is not unanimous, that specific location will need to be retested for the purpose of determining the cause of the discrepancy between the graders. Retries for this purpose are not counted as retries for final scoring purposes.

Test Analysis

The data logged by the representatives on the grading template is then analyzed to determine whether the individual test meets the DAQ 3.4 for digital or 3.0 for analog definition.

Results Presentation

A test report is provided that includes:

- The total number of test tiles in the service area
- The total number of accessible tiles that were tested
- The location tested within each tile
- Map with the test grids overlaid and identification of passed / failed / inaccessible tiles
- A copy of the inbound or outbound grading template used by each grader
- The PASS/FAIL score for each test tile/location for each call direction
- The percent PASS calculation for the service area
- The test setups used for all test sequences
- A determination as to whether the system is balanced, talk-back limited, or talk-out limited

Figure 5. Test Grading Template

OUTDOOR COVERAGE VOICE QUALITY

Date:

Requirement: DAQ 3.4 for digital or 3.0 for analog

Marcus Communications Evaluator:

Granby Evaluator:

Consultant Evaluator:

Test Radio:

Test Frequency:

Check the link used:

- ☐ Base to Portable (outbound)
- ☐ Portable to Base (inbound)

Service Area Test Tile Number	Marcus Communications Grade	Granby Grade	Consultant Grade	Remarks	PASS / FAIL Score

Service Area Test Tile Number	Marcus Communications Grade	Granby Grade	Consultant Grade	Remarks	PASS / FAIL Score

Critical Building Coverage Verification

This test verifies RF coverage by evaluating the voice quality of voice test calls to/from a terminal radio at test locations inside the 14 critical buildings listed in the Building Performance Check document. At each test location, the user places a test call to the dispatcher (an inbound call), and the dispatcher places a test call to the user (an outbound call). Evaluators grade the inbound and outbound test call at each location using the DAQ definitions in Figure 2. Scores that equal or exceed the specified CPC of DAQ 3.4 for digital and 3.0 for analog are recorded as PASS, and those lower than DAQ 3.4 for digital or 3.0 for analog are recorded as FAIL. The overall test will be considered passing if 95% or greater of tiles tested within the Granby service area are scored as PASS. The test will be performed twice at each location, using both the Granby PD channel and the Granby FD channel.

Critical Building Coverage Verification will be performed and shall meet the provided coverage predictions as stated in Marcus' response to the RFP. This means that areas where in-building coverage was shown on the provided coverage maps will have signal levels at least 20 dB greater than required for DAQ 3.4 for digital and 3.0 for analog audio when measured outdoors (these levels are -87 dBm for UHF P25 and -78 dBm for VHF analog). For locations within critical buildings that are associated with greater than 20 dB of building penetration loss, including subterranean floors, we are able to provide solutions for coverage at additional cost if desired.

Site #	Requirement	Site Name	Site Address
1	Critical – Medium	Granby High School	54 North Granby Rd
2	Critical – Medium	Granby Middle School	321 Salmon Brook St
3	Critical – Medium	Kelly Lane School	60 Kelly Lane
4	Critical – Medium	Wells Road School	134 Wells Rd
5	Low - Small	Stop and Shop	120 Salmon Brook St
6	Low - Small	St. Theresa's Church	120 West Granby Rd
7	Low - Small	Geissler's	9 Bank St
8	Critical – Medium	Meadow Brook of Granby	350 Salmon Brook St
9	Low - Medium	YMCA	97 Salmon Brook St
10	High - Medium	The Grand	3 Murtha's Way
11	Low - Medium	Valley Brook Community Church	160 Granville Rd
12	High - Medium	Station 280 Apartments	280 Salmon Brook St (construction started Fall, 2022)
13	Small - Low	Granby Public Works	52 North Granby Rd
14	Small - Low	Granby Parks and Rec	215 Salmon Brook St

Test Equipment and Preparation

Portable radios of the same model as are being provided to Granby will be programmed and made available for testing.

Test Planning

In buildings classified as small, five test locations will be identified, including one in each corner and one in the center. In buildings classified as medium, twenty test locations will be selected in a uniform distribution on the ground floor of the building. No critical buildings have been designated as large.

Test Procedure

The test teams shall consist of two Town representatives and a representative from the Contractor. This will be comprised of one representative from the Contractor, one from the Town and one from the Town's consultant. There shall be one test team located in the dispatch center and one test team in the field.

The central team will consist of the following:

- Test Monitor – Dispatcher or other Town first responder (speaker)
- Test Monitor – Town's consultant
- Test Monitor – Provided by the Contractor
- Observer – Optional participant provided by the Town
- Record keeper (can be a separate person or define which team member would perform that function)

The field team will consist of the following members:

- Test Monitor – Town first responder (speaker)
- Test Monitor – Town's consultant
- Test Monitor – Provided by the Contractor
- Observer – Optional participant provided by the Town
- Record Keeper – (can be a separate person or define which team member would perform that function)

The field team shall be responsible to document the specific details of any test locations that fail the DAQ test. The central dispatch team shall be responsible for keeping the overall test record including results for each test location and the overall results of the CATP. To reduce the time required for the coverage test, a single Dispatch team can support multiple Field teams.

The voice test calls within each tile consist of a short message representative of typical public safety call duration and include the identification of the location being tested. The suggested inbound test message is "TESTING TEST LOCATION NUMBER XXX", followed by a short sentence or two from a newspaper or periodical such as USA Today. To ensure that the message is understood, the dispatcher then repeats the inbound test message. The dispatcher will then make a similar outbound test call. The suggested outbound test message is "CONFIRMING TEST LOCATION XXX", followed by a different short sentence or two from a newspaper or periodical such as USA Today. The field team will then repeat the dispatcher's test message. Per TSB-88, if the message is not understood on the first attempt, the user is allowed to move and the test can be repeated one time.

Each of the representatives independently grades the test call using DAQ definitions in Figure 2, and records the test score for each test location using the template in Figure 5. PASS or FAIL determinations are made separately for the inbound and outbound calls at each location. For each

call direction, a test location is deemed to PASS if a consensus is reached between graders that the test call meets or exceeds the requirement for DAQ 3.4 for digital or 3.0 for analog voice quality.

If the indoor test fails in either direction, the point may be retried once more. For a retry, the test team is to move in any direction up to 3 feet and repeat the test. Upon failure of the retry, the test location is confirmed as failing and may not be retried again. In the event the message classification is not unanimous, that specific location will need to be retested for the purpose of determining the cause of the discrepancy between the graders. Retries for this purpose are not counted as retries for final scoring purposes.

Data Analysis

The following percentages apply to each building's classification for pass/fail criteria:

- Critical – 95%
- High – 80%
- Low – 70%

The percentage of test locations passing in each critical building will be compared against the pass/fail criteria associated with its classification to determine whether the critical building has passed or failed.

Results Presentation

A test report is provided that includes:

- The number of locations tested for each critical building
- A copy of the inbound or outbound grading template used by each grader
- The PASS/FAIL score for each test tile/location for each call direction
- The percent PASS calculation for each critical building
- The test setups used for all test sequences
- A determination as to whether the system is balanced, talk-back limited, or talk-out limited

Talk-Out Bit Error Rate (BER) Characterization

This test characterizes RF coverage by measuring talk-out (base to mobile) BER throughout Granby's defined bounded service area.

Setup

We use our STI Field Test wireless testing system to measure BER. The system consists of a Freedom R8100 receiver, a GPS receiver to provide accurate position information for each measured data point, a computer running the STI Field Test 7 software with an internal clock that coordinates and records the test data, roof mounted antennas, and variable attenuators for use when testing portable coverage.

The test equipment is mounted inside the test vehicle (SUV/van) and has an external antenna(s) mounted on the outside, centrally located on the vehicle's roof, without other equipment installed on the roof.

When characterizing portable coverage, a variable attenuator installs in the test vehicle between the radio and the external antenna to simulate portable operations on the hip for both outdoor and indoor operation. For portable outdoor coverage characterization, the variable attenuator is set to the appropriate level to account for portable body losses. Variable attenuator values, where applicable, are shown in Figure 6.

Figure 6. Coverage Service Area, Body/Building Loss, and Attenuator Values

Service Area Definition Figure 1	Description	Body Loss (dB)	Attenuator Value (dB) [2]
Granby Town Boundary	PD UHF P25 Portable Outdoor	12 dB	12 dB

Data Measurements

Each radio system base station site continuously transmits a P25 test pattern data sequence on a working channel (in a simulcast system, the same working channel is used for each simulcast site). In this case, the Granby PD channel will be tested. The STI equipment mounted inside the test vehicle collects measurements of this signal as it is driven along the defined test drive route. The software in the STI laptop computer automatically records the BER as reported by the Freedom receiver for each measurement data record along the test drive route.

[2] Attenuator value accounts for portable body loss and antenna gain and will be finalized prior to acceptance testing based on actual equipment configuration.

Data Analysis

As defined by Section 5 of TSB-88.3-E, latest revision, we post-process all mean measurement data records collected from the drive test within the defined service area boundary, with data records recorded every 0.1-mile (typically) used in the final analysis. Measurements that have a BER equal to or less than 2% are recorded as PASS; the remainder are recorded as FAIL.

Results Presentation

We plot the data records on a map showing the test tiles, the areas tested and the test results. Different colors show ranges of measured BER. An included test report summarizes the test results.

Exhibit H: Indemnification and Insurance
COMMUNICATIONS SYSTEM AGREEMENT

For purpose of this Exhibit, the term **"Vendor"** shall also include their respective agents, representatives, employees, contractors of any tier; and the term **"Owners"** shall include the **Town of GRANBY, CT** including their respective subsidiaries, directors, boards, commissions, officers, officials, employees, agents, and representatives.

The Vendor is aware and agrees to provide indemnification and insurance coverage to protect the interests of the Owner relative to the services contemplated by this Agreement.

I. INDEMNIFICATION

A. To the fullest extent permitted by law, the Vendor shall release, defend, indemnify, and hold harmless the Owners from any and all suits, claims, losses, damages, costs (including without limitation reasonable attorneys' fees), compensation, penalties, fines, liabilities or judgments of any name or nature for bodily injury, sickness, disease, or death; and/or damage to or destruction of real and/or personal property; and/or financial losses (including, without limitation, those caused by loss of use) sustained by any person or concern, including officers, employees, agents, contractors of any tier, or volunteers of the Owners, or the Vendor, or by the public, which is caused or alleged to have been caused in whole or in part by any and all acts, errors or omissions of the Vendor, its officers, agents, contractors of any tier, or anyone directly or indirectly employed by them arising from or related to the performance of this Agreement, or a failure of the System, the Software, or the Equipment to meet and comply with the specifications, requirements, and warranties set forth in the Agreement.

B. To the fullest extent permitted by law, the Vendor shall release, defend, indemnify, and hold harmless the Owners from any and all suits, claims, damages, costs, (including without limitation reasonable attorneys' fees), compensation, penalties, fines, liabilities or judgments that may arise out of the failure of the Vendor, its officers, agents, contractors of any tier, or anyone directly or indirectly employed by them to comply with any laws, statutes, ordinances, building codes, and rules and regulations of the United States of America, the State of Rhode Island, the Town of South Kingstown, or their respective agencies.

C. This duty to indemnity shall not be constrained or affected by the Vendor's insurance coverage or limits, or any other portion of the Agreement relating to insurance requirements. It's agreed that the Vendor's responsibilities and obligations to indemnify shall survive the completion, expiration, suspension or termination of the Agreement.

II. INSURANCE

A. Insurance Requirements

1. The Vendor shall obtain and maintain at its own cost and expense all the insurance described below continuously for the duration of the Agreement, including any and all extensions, except as defined otherwise in this Exhibit.

2. Vendor's policies shall be written by insurance companies authorized to do business in the State of Connecticut, with a Best's rating of no less than A:VII, or otherwise approved by the Owner.

3. All liability policies (with the exception of Worker's Compensation) shall include the Owners as Additional Insured described below. The coverage shall include, but not be limited to, investigation, defense, settlement, judgment or payment of any legal liability. Blanket Additional Insured Endorsements are deemed acceptable. Any Insured vs. Insured language shall be amended to eliminate any conflicts or coverage restrictions between the respective Insureds.

4. When the Owners or the Vendor is damaged by failure of the Vendor to purchase or maintain insurance required under this Exhibit, the Vendor shall bear all reasonable costs including, but not limited to, attorney's fees and costs of litigation properly attributable thereto.

5. Vendor's Workers Compensation Insurance is in compliance with the laws of the State of Connecticut.

B. **Required Insurance Coverages:**

1. **Commercial General Liability:** $1,000,000 each occurrence / $3,000,000 aggregate, for premises/operations, independent contractors' protective, products/ completed operations, contractual liability, personal injury and broad form property damage. Vendor shall continue to provide products/ completed operations coverage for two (2) years after final completion of the work.

2. **Automobile Liability and Physical Damage Coverage:** $1,000,000 each accident for any auto, including uninsured/underinsured motorist coverage and medical payments. Policy shall include collision and comprehensive physical damage coverage.

3. **Umbrella Liability:** $5,000,000.

4. **Workers' Compensation and Employer's Liability:** Statutory coverage in compliance with the Workers' Compensation laws of the State of Rhode Island or applicable to the work to be performed. Policy shall include Employer's Liability with minimum limits of $1,000,000 each accident, $1,000,000 disease/policy limit, $1,000,000 disease/each employee.

   The Vendor represents that they are currently in compliance with all requirements of the State of Connecticut Workers' Compensation Act and that it shall remain in compliance for the duration of the Agreement. The Vendor agrees that Workers' Compensation is their sole remedy and shall indemnify and hold harmless the Owners from all suits, claims, and actions arising from personal injuries to the Vendor, however caused. This indemnity shall not be affected by a lapse of Workers' Compensation coverage and/or if the Vendor failed, neglected, refused or is unable to obtain Workers' Compensation insurance.

5. **Personal Property:** All personal property of the Vendor are the sole risk of the Vendor. The Vendor agrees to indemnify, defend and hold harmless the Owners from any and all losses or damages, however caused, to any and all personal property belonging to the Vendor.

C. **Additional Terms**

1. Minimum Scope and Limits: The required insurance shall meet the minimum scope and limits of insurance specified in this Exhibit, or required by applicable federal, state and/or municipal law, regulation or requirement, whichever coverage is greater. Providing proof of compliance with the insurance requirements described in this Exhibit is not intended, and shall not be construed to exclude the Owners from additional limits and coverage available to the Vendor.

   Acceptance by the Owners of insurance submitted by the Vendor does not relieve or decrease in any manner the liability of the Vendor arising out of or in connection with this Agreement. The Vendor is responsible for any losses, claims and costs of any kind which exceed the Vendor's limits of liability, or which may be outside the coverage scope of the policies, or a result of non-compliance with any laws including, but not limited to, environmental laws. The requirements herein are not intended, and shall not be construed to limit or eliminate the liability of the Vendor that arises from the Agreement.

2. Certificates of Insurance: The Vendor shall provide certificates of insurance, declaration page(s), policy endorsements or provisions acceptable to the Owners confirming compliance with this Exhibit and thereafter upon renewal or replacement of each required policy of insurance. Upon request, the Vendor agrees to furnish complete copies of the required policies.

3. Subcontractors: Vendor shall cause all contractors of any tier, acting on its behalf, to comply with this Exhibit. The Vendor shall either include its contractors as an Insured under its insurance policies or furnish separate certificates of insurance and endorsements for each subcontractor.

4. Premiums, Deductibles and Other Liabilities: Any and all related costs, including but not limited to, deductibles, retentions, losses, claim expenses, premiums, taxes, and audit charges earned are the sole responsibility of the Vendor.

5. Occurrence Form, Primary and Non-Contributory: All required insurance coverage shall be written on an occurrence basis, except as defined otherwise in this Exhibit. Each required policy of insurance shall be primary and non-contributory with respect to any insurance or self-insurance maintained by the Owners.

6. Waiver of Rights of Recovery: Both the Vendor and Vendor's insurers shall waive their rights of recovery or subrogation against the Owners.

7. Claim Reporting: Any failure of the Vendor to comply with the claim reporting provisions of the required insurance policies shall not relieve the Vendor of any liability or indemnification in favor of the Owners for losses which otherwise would have been covered by said policies.

8. Cancellation Notice: Each required insurance policy shall not be suspended, voided, cancelled or reduced except after thirty (30) days prior written notice has been given to The Owners, ten (10) days for non-payment of premium.

9. Compliance: Failure to comply with any of the indemnification or insurance requirements may be held a willful violation and basis for immediate termination of the Agreement.

TOWN OF GRANBY, CONNECTICUT
15 NORTH GRANBY ROAD
GRANBY, CT 06035

Request for Quote for specifications and pricing for the design, installation, removal of old equipment and support of a radio system that meets or exceeds the following requirements for the Town of Granby.

I. INTENT

The Town of Granby is requesting quotes to hire a successful bidder to provide a radio and communications design, installation, removal of old equipment/systems and support vendor to be selected to address the needs of the Granby Ambulance Association, Granby Police Department, Granby Department of Public Works, Lost Acres Fire Department and Granby CERT Team, all parts of the Town of Granby Radio system.

II. LOCATIONS

The radio system(s) to be procured must perform at least to the needs of all the listed departments. Requirements are listed below.

III. DESCRIPTION OF WORK AND MATERIAL

The successful candidate will provide a detailed quote with sufficient detail for the Town of Granby to evaluate and select a vendor capable of meeting or exceeding the below-listed requirements. Failure to provide adequate detail or complete all the requirements will be grounds for dismissal from the process.

IV. SCHEDULE

Bidders are to provide a quote for the design, installation and support for a state-of-the-art radio and communications system to meet the requirements listed below by Town of Granby, 15 North Granby Rd, Town Managers Office, by September 15, 2023 at noon (12:00 pm EST).

Any potential bidders MUST attend an in-person site review where every site in current use and recommended sites will be visited. Potential bidders to provide their interest in bidding to the Town of Granby Radio Committee Chairman John Horr Jr, at jhorr@lostacresfd.com or cell at 860-805-0935 by July 31, 2023 on or before 4pm EST.

IV. TOWN RESPONSIBILITIES

The Town of Granby Radio Committee, or its designee(s) will be the sole decision maker in the final selection of a qualified candidate from the Bids provided. All offers will be best and final. The Committee reserves the right to decide based on all the information provided and without further communication. The Town of Granby Radio Committee, or its designee(s), will be the interface with the selected vendor. Any bidder may only contact the Committee Chairman below:

TOG Committee Chairman:
Contact: John Horr Jr
Phone: 860-805-0935
Email: jhorr@lostacaresfd.com

The Town reserves the rights to amend or terminate this Request for Quote, accept all or any part of a quote, reject all quotes, waive any informalities or non-material deficiencies in a quote, and award the quote to the vendor that, in the Committee's judgment, will be in the Committee's best interests.

The Town may, before or after quote opening and in its sole discretion, clarify, modify, amend, or terminate this RFQ if the Town determines it is in its best interest.

V. QUALIFICATIONS OF BIDDER

Each bidder must show evidence of having satisfactorily completed similar projects. This experience must have been within the last (5) years. This evidence may include letters. The Town of Granby Radio Committee may make such an investigation as deemed necessary to determine the ability of the bidder to discharge its contract. The bidder shall furnish the Town with all such information and data as may be required for that purpose. The Town reserves the right to reject any bid if the bidder fails to satisfactorily convince the Town that it is properly qualified by experience and facilities

to carry out the obligation of the contract and to satisfactorily complete the work called for herein. Conditional bids will not be accepted. Bids shall remain the property of the Town of Granby.

VII BID PREPARATION

Bidders will provide a clear summary page, identifying the company/person(s) that are being offered to meet this bid requirements and their associated certifications and experience. Bidders will indicate both in numerals and in words the proposed price and detail the underlying basis for the proposed price. This RFQ is not a contract offer, and no contract will exist unless and until a written contract is negotiated and signed by the Town and the successful bidder.

Bidders are prohibited from contacting any Town employee, officer or official concerning this RFP, and any member of any of the affected organizations, except as identified herein. A bidders' failure to comply with this requirement may result in disqualification.

Bidders will provide 3 hard copies of their proposal and an electronic copy in PDF format.

VIII SUBCONTRACTS

The bidder is advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract must be identified in the proposal and be acceptable to and approved by the Town of Granby Radio Committee in its sole discretion.

IX CONDITIONS OF WORK

At the date fixed for opening of bids, it will be presumed that each bidder has read and become thoroughly familiar with Contract Documents.

X LAWS AND REGULATIONS

The bidder's attention is directed to the fact that all applicable federal and state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

XI SALES TAX

Under the terms of the regulations referring to CONTRACTORS and SUBCONTRACTORS issued by the State Tax Commission in administration of the State Sales and Use Tax, to which the bidder is referred, the bidder shall not include in his bid nor charge any use or sales tax thereon.

XII Radio System Specifications

The Town of Granby is seeking proposals from qualified Bidders for the design, installation, removal of old equipment and support of a Town of Granby radio system. The specific requirements are noted below.

The Town of Granby has a land area of approximately 41 square miles and a population of approximately 12,000. It is bordered by eight other incorporated municipalities. Radio communications are crucial to the day-to-day operations of the Granby Police Department, Granby Ambulance Association, Granby Department of Public Works, Granby CERT Team and the Lost Acres Fire Department. The Granby Police Department and Granby Department of Public Works are full direct services to the Town of Granby and employ full time paid members. The Granby Ambulance association is a separate private entity, with full time paid and volunteer members funded by donations and insurance recovery. The Lost Acres Fire Department is a separate company incorporated by the State of CT, with a contract with the Town of Granby to provide exclusive fire and emergency services protection. The Granby CERT Team is an all-volunteer organization providing emergency shelter management and limited traffic direction services. The police department operates a two-position Public Safety Answering Point (PSAP) and dispatch center for all listed services.

The current radio systems and dispatch consoles have been in place for many years, details of each system are included later in this document.

TOWN OF GRANBY, CONNECTICUT
15 NORTH GRANBY ROAD
GRANBY, CT 06035

TOWN OF GRANBY RADIO COMMUNICATIONS UPGRADE PROJECT

July 17, 2023

Contents

1. SYSTEM OVERVIEW

1.1 System/Network Architecture

1.1.1 Project Overview

The Town of Granby ("Town") is seeking to purchase a state-of-the-art wide area voice network for use throughout the Town and surrounding area, utilizing analog simulcast and P25 conventional simulcast technologies. The integrated network must be a highly reliable, fault-tolerant system which will meet current needs and provide a growth path for future expansion. The system will serve the communication needs of the first responders for the Town, and it must have the flexibility to adapt to changing system requirements and new technology without the need for the replacement of major equipment elements or a requirement that such new technology must necessarily be sourced from the vendor for this Project. The Town wants to be able to reuse any analog repeaters, voters, and simulcast controllers proposed for any potential future upgrade to any form of P25 network, regardless of the chosen vendor(s). Equipment should have the capability to support P25 conventional, P25 conventional simulcast, P25 phase 1 or phase 2 trunked operation. The network should whenever possible use components, interfaces, and/or software which are not proprietary and comply with industry standards, so as to enable it to be capable of the addition of RF sites and other modifications to increase coverage, or upgrade or adapt this system, using the chosen vendor or a different vendor of the Town's choosing.

Successful bidders shall have a repair facility (including components) and on-call technicians within a 70-mile radius of the Town of Granby. The vendor shall have the ability to respond to radio or other system failures or disruptions on site, within 4 hours of being contacted by the municipality, or by the system, of any issues.

Vendors will provide coverage plots at a 95% reliability covered area for the proposed portable radios when used on the street, utilizing a radio strap at hip level, and utilizing a speaker mic. The system coverage performance will be verified as a part of acceptance testing. High risk sites listed in Attachment D (interior) will be confirmed by the vendor as part of the acceptance criteria. Clear communications with the referenced portable configuration will be demonstrated by the vendor and confirmed by representatives of the Town of Granby.

Vendors are encouraged to propose a network design that will best meet the requirements for the Town of Granby. Alternate technologies besides those listed will be considered if they meet all the requirements and are cost justified.

The goals of this RFP are to procure the following:

- Granby Police Department (GPD): single channel, 4-site UHF P25 conventional simulcast system.
- Granby Ambulance Association (GAA): single channel, 4-site UHF P25 conventional simulcast system.
- Lost Acres Fire Department (LAFD): dual channel, 4-site VHF analog conventional simulcast system.
    - A fireground channel will be licensed and must be monitored only and recorded at dispatch.
    - Emergency alerting capabilities for "MayDay" situations that does not tie up the operational frequencies.
- Granby Department of Public Works (DPW): single channel, 2-site VHF P25 conventional simulcast system.

- Granby CERT Team – provide a new frequency (VHF or UHF) to support operations within the center of town. (4-mile radius of the intersections of Salmon Brook St/West Granby Rd/East Granby Rd.)
- Two Position Dispatch Console – 911 PSAP Answering Point
    - Upgrade/replace existing system and furniture with full paging capabilities and provide support to allow communication with the agencies listed under interoperability needs below.
    - This is the central dispatch location for all services (Granby Police, Granby Ambulance, Granby Department of Public Works, and the Lost Acres Fire Department). The console must be expandable to support the addition of a remote console position in the future.
    - Granby Dispatch uses the NexGen CAD system, (recent upgrade from IMC).
    - Provide the ability to work from an alternate, off-site location, with full capabilities.
    - Providing paging within the building, off radio.
    - Provide the ability to monitor and respond to police radio communications within the Sgt's, Capt's, Chief's and Day Room.

The new simulcast radio system project shall at a minimum include:

- Updating and/or adding all FCC licenses as required.
- Complete tower inspection and structural analysis of all sites (see Attachment C) with recommendations and pricing for all changes.
- All sites will be linked with a dedicated licensed microwave system supporting all channels, or a system with equivalent features, cost, and capabilities.
- Battery back-up systems for all sites that allow for full equipment run time of eight hours for easy to access and twelve hours for difficult to access sites. (Site list is Attachment C).
- Redundant networking and power supply components must be provided, including emergency generators.
- All channels shall be recorded in dispatch using the existing Granby Dispatch recorder. If not possible, provide recommended alternatives.
- The system sites shall be interlinked utilizing a microwave (or equivalent) system. This configuration shall allow for continued operation of the system, such that if one link fails, the entire system will not fail.
- Complete successful installation, deployment, commissioning, system tests, and migration to the new radio system.
- Continued operation of the existing system until new system is installed, tested, and accepted.
- A new IP-based dispatch console system with redundant servers and UPS battery backups are required, as well as a new dispatch furniture system.
- All equipment shall be "Public Safety" rated components except for DPW subscribers which may be commercial grade.
- New coax cable of the appropriate size to minimize losses for new antennas.
- Removal of all unused equipment, including demolition of sites needing upgrades or removal of towers no longer needed.
- Provide life cycle analysis of the upgraded system.

Add On or Alternate Options

- Provide an alternate add-on price to have a wide area coverage talkgroup on the state CLMRN

system for Granby Ambulance with appropriate mobile and portable radios.

- Provide an alternate price to have Granby Police operate on the State of CT radio system with their own talk group.
- Provide pricing options to operate the Fire simulcast system in P25 mode.
- Provide pricing for the Police Dept. to have a second channel, 4 site UHF P25 conventional simulcast system.

The system shall be proposed as a complete package with firm and detailed prices for all equipment, software and services required by these specifications. Vendors must describe all components, services and tasks required to implement a working, fully functional system.

All components, whether hardware or software, required for the systems to be usable and fully operational, are to be included in the Vendor's final proposal with price. The price listed in the Vendor's proposal shall be a full-turnkey price, including freight to and installation at the site locations listed. Vendors will also be asked to segment their pricing, whereby Granby can see the effects of adding or deleting components and services. The vendors selected for interview will be asked to present their proposals.

Submission of a proposal shall be taken as evidence that the Vendor has investigated and is satisfied with the conditions to be encountered in performing this work.

Project Management

The Town of Granby shall provide one project manager from the Town for this project. All scheduling, billing, change orders and like communications shall be funneled through that project manager. The successful vendor shall provide the same oversight for the entire project.

Demographic Overview

Granby is a suburb of Hartford, CT with a population of approximately 12,000. Granby is in Hartford County and is one of the best places to live in Connecticut. Living in Granby offers residents a rural feel and most residents own their homes. The public schools in Granby are highly rated. GPD is a staff of 25, plus a full-time 911 PSAP and dispatch staff operating services for Town. The Granby Ambulance Association is a contract, volunteer, part-time and or full-time paramedic level providing services to Granby, East Granby, and East Hartland. The LAFD is an all-volunteer fire department providing services to the Town and surrounding municipalities. DPW is an all-paid full-time staff providing services to the Town. Granby CERT is an all-volunteer organization responsible for Shelter Management and limited traffic control.

Existing Two-Way Radio System Background

GPD currently utilizes a dual repeater voting system, with one repeater installed at the Town Hall site at 15 North Granby Rd and the second located at East Hartland Landfill. Interconnection is accomplished by a hardwire phone line to each tower. They are using the frequency pair 460.525 / 465.525 MHz for operations.

LAFD currently uses low-band VHF radios and pagers with simplex operation on 33.94 MHz, with base stations located at each fire station. Granby Dispatch has a base station located at the Town Hall site at

15 North Granby Rd, behind the Senior Center. A backup dispatch site is maintained by the Simsbury Volunteer Fire Department. Edispatch is used to make notification via cell phone and linked with the NexGen CAD system used by dispatch. The LAFD has recently licensed VHF spectrum as noted below.

DPW has a VHF repeater (155.0625 / 158.7625 MHz) located at the Town Hall site at 15 North Granby Rd, with backup power provided by the Senior Center's generator.

GAA currently uses a single UHF repeater located at the CT Airport Authority site on Metacomet Ridge in East Granby for dispatch. The dispatch frequency is 453.075 / 458.075 MHz; however, this is not available for reuse in the new system due to conflict with CMED use of the channel. A second repeater located at the Metacomet Ridge site is used by GAA for administrative communications and is programmed with a business pool frequency: 464.075 / 465.075 MHz.

Granby CERT currently uses GMRS or GPD portables. A new frequency compatible with the PD and FD operations is required.

Licensed Frequencies Available for New System

User	Frequency	Callsign
Granby Police Dept	460.525 / 465.525 MHz	KNBU649
Lost Acres Fire Dept	154.7925 / 151.3775 MHz 33.94MHz	WRPM738 (New) WPWW927
Granby Dept of Public Works	155.0625 / 158.7625 MHz	WPLX365
Granby Ambulance Association	None	N/A
Granby CERT	None	N/A

Bidders will be responsible for all licensing requirements for the proposed system. The following additional channels will be required.

- GAA needs a new public safety license/frequency as they currently share with CMED.
- Fireground operations frequency for the LAFD.
- LAFD requires a second simulcast operations frequency.
- DPW requires a talk around frequency for the purpose of directing traffic and not interfering with regular transmissions.
- GPD needs to have a second simulcast operations channel.
- Granby CERT needs a new license/frequency, preferably public safety.

Subscriber Equipment Counts:

Lost Acres Fire Department Equipment Needs (all radios analog but must be P25/digital capable)
(8) Truck Mobiles VHF/UHF w/MayDay alert
(5) Pump Panel VHF/UHF radios (w/ noise canceling headphones/microphones)
(10) Officer Mobiles (VHF/UHF) w/MayDay alert
(10) Officer Mobiles VHF/UHF w/MayDay alert

(20) Firefighter Portables (VHF/UHF) w/MayDay alert
(4) Base Station VHF radios (two capable of backup to the PD base including paging to be installed at Simsbury FD Main Station, 871 Hopmeadow St, Simsbury and LAFD Center Station at 206 Salmon Brook St., the other two at each of the other LAFD station locations.
(40) Firefighter Pagers

Granby Police Department (UHF)
(12) Car Mounted Mobile Radios
(22) Portable radios
(3) Base station radio remotes

Granby Department of Public Works (VHF)
(30) vehicle mobile units
(6) Portable units
(4) desktop control stations

Granby Ambulance Association (frequency to be provided)
(12) vehicle mobile units – multiband, including 3 with dual heads
(10) Portable units- multiband
(2) desktop control stations

Granby CERT Team (frequency to be provided)
(1) vehicle mobile unit – multiband – capable of communicating with GPD, LAFD, GAA, DPW and CERT
(10) Portable units
(1) desktop control station in the Emergency Operations Center

All bids are required to provide individual portable, mobile and desktop control station prices. Prices include breakout details for battery and chargers for each portable. Bidders to provide rack or similar charging options, and options for cases/protective covers, belt clips, shoulder harnesses, etc. Bidders will include programming tools and training to one member from each organization.

Town of Granby will be providing site worker access to buildings and to other structures. The successful bidder will be responsible for the installation of generators, towers, and all other related equipment at all sites in Attachment C, or alternate proposed sites, that are used for the new system.

1.1.2 Network Description

Town of Granby's goal is to satisfy its communication requirements by having a simulcast system comprised of two to four sites per channel connected by a private IP backhaul system. The system will be equipped with five-six voice channels.

Vendors will describe in detail, network control processes with special focus on system reliability and flexibility.

Vendors will explain in detail how expansion of the proposed network would be undertaken in the event of additional users, channels, or sites (additional simulcast sites or dispatch center) being required in the future.

Vendors will describe in detail all failure mode scenarios including site stand-alone mode.

The Town of Granby is seeking a system that will have a seamless failover of voting and simulcast controllers in the event of a hardware or site failure. Vendors will:

- Describe in detail the failure mode scenarios that apply to voters and simulcast controllers to ensure continued operation in the event of equipment or site failure.

- Explain if any human intervention is required to enable the failover, (automatic failover is preferred with dispatch center alerting to the issue).
- Explain how selections for alternate voting and site control are performed.
- Vendors will explain upgrade paths if they offer such an option.

Vendors will propose the most cost-effective network configuration to meet the stated needs of reliability, coverage, and functionality:

- Reliability: no single point of failure, geographical redundancy.
- Functionality: see specific requirements below.
- Coverage: maximized using the site information provided in attachment C. Alternate sites may be presented by the bidder that provide equivalent/superior coverage or cost savings, but still fulfill all requirements.

1.1.3 Backhaul System/Linking Network

Vendors may also propose options for the provision of an IP-based microwave linking system to support the proposed radio system (voice traffic and system management signaling including all alarms). The linking network will provide at least 50% spare capacity.

Solutions proposed must have high-spectral efficiency and be suitable for point-to-point operation. The solution will use licensed spectrum.

Proposed linking solutions must be capable of supporting any future evolution of the simulcast network to become either a trunked or a conventional P25 network.

Vendors must explain how their proposed solution maintains security in a mission-critical network.

1.1.4 Network Diagram

Vendors will provide a network diagram showing the proposed sites and inter-site linking.

1.1.5 Interoperability needs

Vendors will propose reliable interoperability solutions with the agencies listed below. Town Agencies are GPD, GAA, LAFD, DPW, Granby CERT.

Granby Ambulance Association (GAA)

- EMS Mutual Aid coverage
- All Town Agencies
- CMED radios must meet the CT State CMED radio specifications.
- Simsbury EMS (UHF analog)
- TN via Connecticut Land Mobile Radio Network (7/800 P25 Phase 2)
- Suffield (VHF P25)
- Granville, MA (VHF analog)
- Litchfield County Dispatch (VHF analog or CLMRN)
- Canton (VHF analog)
- Windsor Locks (VHF analog)
- 7/800 P25 Phase 2 TRS – Bloomfield & Windsor

Dispatch Console

- Granby PD, Granby EMS, Granby BOE, Simsbury PD, Simsbury FD, Simsbury EMS, East Granby FD, LAFD (all frequencies), TN-LCD-Granby Direct Line, Suffield PD, Windsor PD, Windsor Locks PD, RAFS-1-call, RAFS 2-OPS, WMLEC PD, WMLEC FD, Avon PD, Canton PD, Bloomfield PD, Bradley FD, Farmington PD, West Hartford PD backup, U-Call-40, Avon intercity, Intercity Fire, CREST, SWAT-1, 2, 3, 4, State Police Hotline, 8-Call-90, 8-TAC-91, 8-TAC-92, 8-TAC-93, 8-TAC-94, 7-NAT-01D, 7-NAT-02D, 7-NAT-03D, 7-LTAC-03D, 7-LTAC-13D.

Lost Acres Fire Dept. (LAFD)

- All Town of Granby Agencies
- Surrounding town mutual aid partners (East Granby FD, Suffield FD, Southwick, MA FD, East Hartland FD, Granville, MA FD, Simsbury FD, Canton FD, Farmington FD, Avon FD, Burlington FD, Windsor FD and Bloomfield FD.)
- CT STOCS System
- Task force radio channels (TF52 and 54)
- InterCity FD System

Granby Police Department (GPD)

- They must be interoperable with all surrounding communities, regional frequencies, and Town Agencies.
- RAFS-1-call, RAFS 2-OPS, WMLEC PD
- RAFS1 and 2 are in the process of migrating, both the old and new system need to be supported unless the new system is operational by the time the new Town system is in place.

Granby Department of Public Works (DPW)

- All Town Agencies and Simsbury DPW.

Granby CERT

- All Town Agencies.

1.2 Network Management

Simple and effective network management is an important aspect of the system. A network manager or operator shall be able to have access to the system for network, subscriber and fault management and network infrastructure configuration.

A network manager shall be able to enter and maintain configuration information for the components of the network infrastructure.

The Town of Granby will provide access to set up a VPN (virtual private network) for the selected vendor to access the system remotely.

1.2.1 Subscriber Management

The network shall be able to support multiple agencies, each of which will maintain its own subscriber fleet independently.

An operator or technical support person shall be able to enter and maintain programming parameters for subscriber units through a programming application that executes on a standard Windows platform.

1.2.2 Fault Management

The vendor shall complete the following table indicating the impact of the various failure modes.

If This Fails	Then
A single simulcast site	
Link between station/repeater and channel group	
Primary (voter) base station/repeater in a simulcast channel group	
1 PPS timing signal	
1 PPS and GPS unit at one entire physical site	
Single Repeater/base station	

Fault management shall involve the use of SNMP information gathered at a central point from the remote sites and associated fixed network infrastructure.

The SNMP management system shall be able to both 'passively listen' for SNMP traps to arrive notifying of an event and to periodically poll specific equipment on the network to determine the equipment's operational status.

The SNMP management system shall include the use of a web browser for the viewing of network performance from anywhere in the associated IP network. The SNMP management system shall also be able to be viewed directly via the computer running the application.

The sites will also be equipped with, at a minimum, the following alarms:

- High/low temperature
- Loss of power
- Generators start/fail to start
- Door access monitoring

1.2.3 Performance Management

Comprehensive remote diagnostics and remote monitoring capabilities shall be provided to allow the network manager to view and monitor key indicators of repeater performance, such as the power amplifier duty cycle, simulcast synchronization status, and received signal strength.

There shall also be options provided for the monitoring and reporting of the overall system level performance and system status. Vendors should describe the remote diagnostic, remote monitoring, and reporting capabilities of their proposed repeaters and network.

1.3 Future Technology Migrations

The Town of Granby may choose to implement a P25 conventional simulcast radio system for the Fire department, incorporating linear simulcast modulation (LSM), in the future. Vendors will outline possible reuse options for elements of the proposed analog simulcast system, including network infrastructure, repeaters, voters, simulcast controllers, and timing references, and will, to the extent feasible, propose the use of hardware, devices, and software which are not proprietary, and which will allow integration and

use with solutions offered by other vendors.

Vendors must explain how such a technology migration would be achieved based upon the analog simulcast system they would propose.

1.4 System Features (equipment with equivalent features will be considered)

The following features shall be included:

Operation	The individual simulcast channels are NOT required to operate as a "dual-mode" simulcast network, (i.e. it is not expected to operate as either an analog or a Phase 1 P25 conventional simulcast network on a per transmission basis).	
Network security	Systems (including hardware, software, servers, and communications and network systems) that provide at least as robust and secure protection against cyberattacks (including but not limited to malware, phishing, password, denial of service, ransomware, man-in-the-middle, SQL injection, and other attacks), as are then-standard in the industry, are adequate to provide the aforementioned protection, and will be updated to address additional, further, or ongoing risks as are required by industry standards throughout the term of this Agreement, and which will provide secure management and configuration access 24/7/365.	
Operational temperature ranges	Subscriber Radios	-30 to +60°C
	Repeaters	-30 to +60°C
Call setup times	• Calls that do not use sub-audible signaling shall be set up in under 0.2 seconds. • Calls that do use sub-audible signaling shall be set up in under 0.3 seconds.	
Call types	The network shall support these types of calls: • Emergency call • Broadcast call • Priority call • It is recognized that in an analog system, sub-audible signaling may be used to provide these.	
Dispatcher priority	Calls from a dispatch console connected via IP take priority over radio calls. If a radio transmits while a dispatch call is in progress, the radio's transmission will not reach any other radios and the caller will not hear any other radio calls until the PTT is released.	

MDC1200	The system shall support MDC1200 to: • Identify users by ANI • Implement additional call types such as RF dispatch calls • Emergency calls and other priority calls
Sub-audible signaling	The system shall support the operation of PL/CTCSS sub-audible signaling to allow radios to be grouped operationally.
Paging Operation	The repeater hardware must be capable of supporting 2-tone paging operation on 12.5 kHz channels and with audio tones between 300 and 3000 Hz, assuming no PL/CTCSS is used.
Caller ID	The analog simulcast network shall support user radios displaying the ID (or alias if it is programmed) of the user initiating the call, and individual calls. The user ID alias of the subscriber initiating the call is displayed on dispatch consoles for both group and individual calls. In addition, the ID of the talking party in a group call can be displayed on radios and dispatch consoles.
Voice recorder interfacing	The simulcast network must provide the ability to record the audio for each voice call using the existing recorder in Granby Dispatch.

1.4.1 Transparent Roaming

Radio users operating on the simulcast network shall not have to select a new channel on their radio when moving between the coverage zones of sites. It is permissible for a user to have to manually select a channel to operate on a different simulcast channel group at any location in the network.

1.4.2 Interfaces

Vendors will describe how their system will interface with any related systems and devices.

1.5 Call Types

The simulcast network shall support voice calls.

1.6 System Security

The repeaters/base stations and all other hardware and software used in the network shall have at least industry-standard levels of protection against unauthorized access. Browser communications with these elements shall be encrypted using https and users must log in with a unique name and password that provides an audit trail showing the actions of each user.

Access shall be tiered to limit individual user access rights and abilities.

All systems and hardware must provide at least as robust and secure protection against cyberattacks (including but not limited to malware, phishing, password, denial of service, ransomware, man-in-the-middle, SQL injection, and other attacks), as are then-standard in the industry, are adequate to provide the aforementioned protection, and will be updated to address additional, further, or ongoing risks as are required by industry standards throughout the term of this Agreement.

2. INFRASTRUCTURE EQUIPMENT SPECIFICATIONS

2.1 Repeater Equipment Specifications

Repeater equipment is used to transmit and receive voice messages over the air to subscriber units operating at the corresponding site.

All repeater equipment shall comply with the following standards:

2.1.1 RF and EMC Compliances

RF
CFR Title 47 Parts 15 and 90 (FCC)
EN 300 086-1, EN 300 086-2(ETSI) when complete
AS/NZS 4768 Appendix B when complete
EMC
CFR Title 47 Part 15 (FCC)
EN 301 489 1, EN 301 489 5 (ETSI)
Anatel Resolution 442

2.1.2 Safety and Environmental Compliances

Safety
EN 60950-1 (ETSI)
UL E223047
AS/NZS 60950-1,
Q090114[1]
Environmental
Low Pressure (Altitude) MIL-STD-810G Method 500.5 Procedure 2
Humidity MIL-STD-810G Method 507.5 Procedure 2
Vibration MIL-STD-810G Method 514.6 Procedure 1
Shock MIL-STD-810G Method 516.6 Procedure 1

Each repeater channel shall consist of a transmitter, receiver, power supply and systems interface. A minimum of 1 complete repeater channel shall be housed in a sub-rack occupying a maximum of 4 rack units in a standard 19" rack or cabinet.

The repeater channel systems interface shall be IP-based (10/100/1000 Base-Tx/Rx) and no other external equipment shall be required for access to the IP infrastructure.

Voice over Internet Protocol (VoIP) networking and any other system functions should be carried out within the repeater unit and interface to the IP network utilizing standard Ethernet IP interfaces.

All repeater equipment shall comply with the following minimum operational specifications, or equivalent to be provided:

Parameter	Value
Channel spacing	Specific to band and latest standards
Ambient air temperature operating range at 100% transmit duty cycle	-30°C to +60°C (-22ºF to 140ºF)
Environmental standards	MIL-STD-810F
Power requirements	AC: 100 to 260V at 50 to 60Hz DC: 12V, 24V or 48V (nominal)
Transmit power	100W or 50W at 100% Duty Cycle at -30°C to +60°C ambient air temperature
Frequency stability	± 0.5 ppm
Adjacent channel power	-60dBc
Transmit audio distortion	3% maximum

Sensitivity	-119 dBm @ 12 dB SINAD
Adjacent channel selectivity: VHF/UHF/700/800 bands	≥ 85 dB (EIA)
Intermodulation response attenuation	≥ 80 dB

2.2 Repeater Programming and Maintenance

All equipment will be self-reporting when errors/problems occur and notify dispatch and the radio support team. The repeater equipment shall support the use of SNMP traps for the handling and transmission of repeater fault conditions. These alarms may include, for example, such conditions as high PA temperature, site battery low voltage, synthesizer out-of-lock and mains power fail.

The repeater equipment shall also have input signals available for the connection of external devices (for example, site door alarm, smoke/fire alarm, air conditioning alarm). The repeater shall have the ability to transmit the failure status of these devices to the central management system for processing. This could be handled via the Syslog protocol. A description of the capabilities of the repeater equipment for external devices shall be proposed by the vendor.

A maintainer must have the ability to remotely connect to a repeater via an IP connection on the network. A software interface shall be used to ascertain the performance of a repeater and remotely diagnose a failure state. The remote interface to the repeater can either be achieved through a software application installed on a maintainer's PC, or via a Web Interface built into the repeater itself.

A system for remotely upgrading the firmware and configuration of the repeater equipment shall be provided. This shall be achievable over the IP network with the use of a software application. It would be favorable for this facility to be capable of being managed through the remote configuration application or Web interface.

All programming, diagnostic, SNMP and associated software shall be Windows or Linux based.

2.3 Network Equipment Specifications

All network traffic shall be carried by internet TCP/IP protocols.

The IP network router and switching equipment shall be commercial-off-the-shelf (COTS) non-proprietary equipment. It shall only utilize commonly used IP network protocols.

2.4 Network Linking Specifications

Vendors may also propose options for network IP linking. Solutions proposed must have high-spectral efficiency and may reuse some existing channels.

Vendors will explain how their proposed solution addresses security in a mission-critical network.

Proposed linking solutions must be capable of supporting any future evolution of the analog simulcast network to become either a trunked or a digital network.

3. SUBSCRIBER UNITS

All hardware and software required for programming the subscriber units must be included in the pricing schedule and the associated training for representatives of the town emergency services departments, (GPD, GAA, LAFD, DPW and CERT).

Mandatory Features:

- Emergency alert declaration capabilities
- Radio ID
- Radio ID to display at console upon keying
- AES Encryption capabilities
- Direct radio unit to radio unit calls (not through a base station) / ground channel
- Ability to operate on any system such as trunking, conventional, P25, and analog modes
- Easy-to-read displays with logical channel selection controls
- Units must be as small and lightweight as possible
- Long lasting, light weight batteries with minimum 12-hour run time based on a 5/5/90 duty cycle. Rapid charging, no memory, Lithium Polymer or equivalent
- Battery level (remaining life) indicator on display
- The bidder shall discuss and describe the types of rechargeable batteries to include chemistry, discharge and recharge rates, and number of estimated recharge cycles

Optional Features:

- Status and text messaging for mobile and portable radios
- Bluetooth capability
- Wi-Fi and LTE capability in subscriber radios
- Selectable receive signal strength indicator on displays

4. SERVICES

4.1 Implementation

4.1.1 General

As a part of the response, the bidder will provide a complete description of the turn-key project as outlined in this section. The project shall include complete installation and optimization of the simulcast radio infrastructure, which is comprised of multiple repeater sites, base repeater radios, IP links, system controllers, alarm subsystem, system management terminals, interfaces identified in this RFP and any other associated equipment necessary for proper operation of the purchased radio system. The project shall also include complete removal of all old systems **after** the new systems are deemed operational and accepted by the Town. It shall also include training to be provided to the Town's support personnel and an agreed-upon number of operators and users.

All subscriber units will be programmed and installed by the Vendor. The Vendor will provide training and equipment to each organization to be able to program their own radios after acceptance test.

4.1.2 Project Schedule

Vendor will provide detailed project schedule identifying at the minimum:

- Completion of system design review, including coverage planning
- Dates of equipment shipment
- Installation dates
- Training dates
- System optimization dates
- Acceptance testing dates (functional and coverage)
- Delivery of "as built" system documentation
- Removal of all unused sites and related equipment.

4.1.3 Work Breakdown Structure

Vendor will provide detailed WBS clearly identifying tasks to be completed by the vendor and Granby.

4.1.4 Transition Plan

Vendor will provide a detailed transition plan minimizing any disruption of services.

4.1.5 Acceptance Test Plan

Vendor will provide detailed Acceptance Test Plan including, but not limited to:

- Infrastructure testing
- Link testing
- System management/alarms testing
- Coverage testing in accordance with the vendor's coverage predictions

4.2 Warranty, Maintenance, and Repair

4.2.1 General

As part of their proposal, Vendor shall provide a three-year warranty from date of acceptance of the completed, operational system by the Town on all systems and components. This warranty shall include parts and labor on repairs or replacements due to normal use, wear, and tear. As part of their proposal, Vendor shall include all maintenance services, including parts and labor, for three years from date of acceptance. In addition, Vendor will include an proposal to provide maintenance services, including parts and labor, for years four through seven.

4.2.2 Warranty Period Maintenance

The warranty and maintenance period shall begin on the date of the final system acceptance.

Vendor shall provide the necessary labor, parts, supplies, procedures, transportation, test equipment and facilities to maintain the new Vendor-provided equipment, firmware, and software to the level of factory performance and within requirements contained herein during the warranty period, including any updates or upgrades required or recommended by any suppliers during the warranty period. The maintenance shall include, but not to be limited to preventive maintenance, repairs resulting from normal usage and wear and tear, and emergency maintenance.

4.2.3 Warranty Maintenance Contract Term

All maintenance services shall be provided as part of the communications system, without additional charge to the Town of Granby, for the warranty period of at least 36 months following the date of the final system acceptance. A proposed maintenance contract for years four through seven will be provided.

4.2.4 Warranty Maintenance Personnel

Vendor shall provide competent, experienced, and highly qualified personnel to execute required maintenance tasks during the warranty period. All maintenance personnel shall be trained and experienced in standard radio communications industry practices. Personnel who perform maintenance on the system shall have completed all required manufacturer-approved training for that equipment.

4.2.5 Repair

Vendor's proposal shall include a proposed fee and cost schedule for any repairs, replacements, or other services which may be required for the proposed System that are not included within the Warranty or Maintenance outlined above. Such proposal shall include the proposed charges for any labor, the proposed response time, any proposed costs for any materials beyond that for which Vendor is billed by its supplier, and any other costs, fees, or other potential charges which may be invoiced to the Town. In the alternative, Vendor may propose an all-in price (including labor and materials) for a proposed all-encompassing service and repair agreement to cover any and services (including materials) to the Town beyond those included in the Warranty and Maintenance in Sections 4.2.1 and 4.2.2.

4.2.6 Response Time

Vendor shall provide replacement parts and qualified personnel to service, repair, or replace the fixed equipment at the site within (4) hours after notification of equipment failure. Non-fixed equipment (mobile and portable radios, etc...) shall be picked up locally by the Vendor at locations designated by The Town of Granby and delivered back to the point of pick-up once repaired.

The warranty period maintenance shall be on a working-hour basis as follows:

- Fixed equipment, twenty-four hours per day, seven days per week.
- Non-fixed equipment, eight hours per day, five days per week (0830 hrs to 1700 hrs).

4.2.7 Availability of Replacement Parts

Vendor shall certify that a stock of replacement parts for each item included in the equipment response is maintained to facilitate the rapid resolution of any hardware failures for the first 36 months and as long as a maintenance contract is in place, thereafter

4.3 Training

The vendor will describe how training on the operation and support of the system will be provided to:

- Users
- Dispatch personnel
- Supervisors
- Granby support staff

The vendor will quote a training proposal that outlines:

- Courses offered that are relevant to Granby's proposed system
- Number of participants for each class
- The pre-requisites for all participants
- The length of each class in hours
- The total number of trainer hours proposed
- Options for on-site, off-site, and self-instruction training
- Provide the required equipment for all training

4.4 Service Area Map

The vendor shall provide service area coverage maps including talk in and talk out for both mobile and portable coverage.

5. Key Dates / Communications / Questions / Town Reservations

RFQ Advertised	July 18, 2023
Questions Due from Vendors	July 18, 2023 through September 1, 2023
Mandatory Attendance - Site Visits	Scheduled between August 1 and August 7, 2023
Responses Due	September 15, 2023 by 12:00 pm EST.
RFQ Open Date	September 18, 2023
Interview of Top Vendors	TBD
Contract Execution Date	TBD

Any requests for clarification or additional information regarding this RFQ are to be submitted in writing to John Horr Jr, TOG Radio Committee Chairman via e-mail to jhorr@lostacresfd.com and must be received no later than September 1, 2023 in order to be considered. If any substantive requests for information are received and responded to by the Town of Granby, an addendum to this RFQ will be issued.

The Town reserves the right to amend or terminate this Request for Quote, accept all or any part of a proposal, reject all proposals, waive any informalities or non-material deficiencies in a proposal, and award the proposal to the proposer that, in the Town's judgment, will be in the Town's best interests.

6. INSURANCE and INDEMNITY REQUIREMENTS

The professional individual or firm shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or be in connection with the performance of the work hereunder by the individual or the firm, his agents' representatives, or employees. The cost of such insurance shall be born by the bidder. . The Town shall be included as an additional named insured for all insurance coverages provided under the proposal.

For the purpose of this clause, the term "professional individual or firm" shall also include the individual's

or firm's respective officers, agents, officials, employees, interns, volunteers, boards and commissions.

Minimum Scope and Limits of Insurance

Broad Form Comprehensive General Liability

$1,000,000 combined single limit per occurrence for bodily injury, personal injury, property damage, and products/completed operations.

Automobile Liability

$1,000,000 combined single limit per occurrence for bodily injury and property damage

Cyber Liability

$1,000,000 annual aggregate. Coverage shall include first and third-party network risk, cyber liability, and cybersecurity insurance coverage (including but not limited to coverage for unauthorized access to; acquisition, copying, use, dissemination, release, or loss of; or damage to data owned or possessed by the Town, data privacy and loss or access to personal information contained within data or systems owned, held, or used by the Town, or anything derived from data or systems owned, held, or used by the Town, as well as for breach of privacy perils, ransomware attacks, or business interruption resulting from ransomware or malware), from an insurer having an A.M. Best rating of "A" or better .

Umbrella Liability

$1,000,000 per occurrence, following form.

6.1 Workers' Compensation and Employer's Liability

Limits as required by Connecticut State Law

Professional Liability (if used on a claims-made basis, insurance coverage shall be maintained for the duration of the contract and for two (2) years following contract completion.)

$1,000,000 per occurrence

$1,000,000 aggregate

Personal Property Coverage

Adequate insurance to cover the value of personal property (including but not limited to, personal computers) belonging to the Vendor while located on Town property, while in use or in storage, for the duration of the contract.

Aggregate Limits

Any aggregate limits must be declared to and be approved by the Town. At the option of the Town, the insurer shall increase or eliminate the aggregate limit and notify the Town of any erosion of aggregate limits.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and be approved by the Town. At the option of the Town, the insurer shall reduce or eliminate such deductibles or self-insured retentions as regards the Town and the vendor shall procure a bond, which guarantees payment of the losses and related investigations claims administration and defense expenses. At no time will the Town be responsible for the payment of deductibles or self-insured retentions.

Notice of Cancellation or Non-renewal

Each insurance policy required by this document shall be endorsed to state that coverage shall not be suspended, voided, canceled, or reduced, either in coverage or in limits, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the Town.

Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

Liability Coverage:

"The Town of Granby and its respective officers, agents, officials, employees, volunteers, boards and commissions" are to be named as additional insureds with regards to liability arising out of activities performed by or on behalf of the vendor; products and completed operations of the vendor; or premises or property owned, leased, or used by the vendor. The coverage shall contain no special limitations on the scope of protection afforded to the Town.

The vendor's insurance coverage shall be the primary insurance as regards the Town. Any insurance maintained by the Town shall be in excess of the vendor's insurance and shall not contribute with it.

Any failure to comply with the reporting provisions of the policies shall not affect coverage provided to the Town.

Coverage shall state that the vendor's insurance shall apply separately to each insured against whom a claim is made, or a suit is brought, except with respect to the limits of the insurer's liability.

Workers' Compensation and Employer's Liability Coverage

The insurer shall agree to waive all rights of subrogation against the Town for losses arising from the work performed by the vendor for the Town.

If State statute does not require the vendor to obtain Workers' Compensation insurance, then the vendor

shall furnish the Town with adequate proof of the self-employment status. The vendor agrees to waive all rights of claims against the Town for losses arising from the work performed by the vendor. In the event that during the contract this self-employment status should change, the vendor shall immediately furnish proper notice to the Town and a certificate of insurance indicating that Workers' Compensation insurance and Employer's Liability coverage has been obtained by the vendor as required by this Request for Quote.

Acceptability of Insurers

Insurance is to be placed with insurers which have a Best's rating of at least A.

Insurance companies must either be licensed to do business in the State of Connecticut or be deemed to be acceptable by the Town's Director of Finance.

Verification of Coverage

The vendor shall furnish the Town with certificates of insurance effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the Director of Finance before work commences. Renewal of expiring certificates shall be filed thirty (30) days prior to expiration. The Town reserves the right to require complete, certified copies of all required policies, at any time.

All insurance documents required by this Exhibit shall be mailed to the Director of Finance.

6.2 Indemnity

The Vendor shall indemnify the Town of Granby, along with its applicable officers, agents, employees, and servants, for and against claims by third-parties to the extent that they arise from any acts, omissions, conduct, breach of contract, or violations of statutes or regulation by Vendor or any subcontractors, suppliers, or third-parties used or engaged by Vendor, whether as a result of intentional acts, recklessness, negligence, or any other reason. Such indemnity shall include damages, punitive, statutory, or exemplary damages, fines, penalties, and attorney's fees and costs.

7. ATTACHMENT A: STATEMENT OF REFERENCES

Provide at least three (3) references:

1. BUSINESS NAME _____

ADDRESS _____

CITY, STATE _____

TELEPHONE: _____

INDIVIDUAL CONTACT NAME AND POSITION _____

2. BUSINESS NAME _____

ADDRESS _____

CITY, STATE _____

TELEPHONE: _____

INDIVIDUAL CONTACT NAME AND POSITION _____

3. BUSINESS NAME _____

ADDRESS _____

CITY, STATE _____

TELEPHONE: _____

INDIVIDUAL CONTACT NAME AND POSITION _____

8. ATTACHMENT C: General Site Information

To help expedite the installation of a new system, the radio system committee has researched and is recommending 4 tower locations. These locations were chosen for their site lines and ability to provide coverage throughout the town and eliminate the need for ground-based connections (fiber). Vendors are welcome to propose alternative sites but will be responsible for negotiating all access and sheltering of equipment. The other sites listed are existing ones that may or may not be used, depending on the final design and recommendations.

New Tower Location 1 - 44 Gavitt Rd, is a monopole site that currently only has Cellular service on it. The tower is currently owned by SBA towers. Agreements would have to be negotiated with the owner for the modifications needed. This site is easily accessible. This is a recommended new site.

- New 10'x16' shelter or outdoor cabinet
- 25KW generator
- UHF antennas on tower
- VHF antennas on tower
- New electrical service
- Microwave antennas
- Fencing and weed control fabric with 6" of stone

New Tower Location 2 - 8 Upper Meadow Lane, Granby is a monopole site that currently only has Cellular service on it. The tower is currently owned by American Tower. Agreements would have to be negotiated with the owner for the modifications needed. This site is easily accessible. This is a recommended new site.

- New 10'x16' shelter or outdoor cabinet
- 25KW generator
- UHF antennas on tower
- VHF antennas on tower
- New electrical service
- Microwave antennas
- Fencing and weed control fabric with 6" of stone

New Tower Location 3 - 229 Mountain Rd, Granby site is not a current site, and a new tower would have to be constructed. This is private property. The Town and the property owner have a signed agreement for purchase of the property if it will be used in the final system selection. The existing tower and structure must be replaced. This site is easily accessible. This is a recommended new site.

- Construction of a new self-supporting lattice tower
- 12'x20' equipment shelter
- UHF antennas on tower
- VHF antennas on tower
- Microwave antennas
- 25-30 KW generator
- New electrical service
- Fencing and weed control fabric with 6" of stone

New Tower Location 4 - Metacomet Ridge, East Granby (a current site) is a monopole site owned by the Connecticut Airport Authority. The Town of Granby has negotiated an Agreement for access to this site. This site is difficult to access. This is a recommended new site. All equipment and site changes must

be approved by the Connecticut Airport Authority.

- New 10'x16' shelter
- 25KW generator
- UHF antennas on tower
- VHF antennas on tower
- Microwave antennas
- New electrical service
- Fencing and weed control fabric with 6" of stone

Existing Tower Location - 15 North Granby Rd is a commercial monopole that the Town of Granby has free and clear access to including a small shelter which has generator backup from the Granby Senior Center. Currently GPD and LAFD services are dispatched via this location by repeaters/transmitters linked back to the dispatch center. This site can be used for the future system or removed from use.

- Has Generator backup
- 2- UHF antennas on tower
- 1 low band antenna on tower

Existing Tower Location - Hartland Landfill – currently the location for the second repeater for the GPD's dual site simulcast system. Voting is managed by leased copper phone lines back to the dispatch center. This property is owned by the Town of Hartland.

- No generator backup
- Shelter is in poor condition.
- Lattice tower in poor condition.
- One UHF repeater for GPD

Existing Tower Location - Town of Granby Town Hall – currently the location for several of the transmitters for dispatch including InterCity Fire, GAA, RAFs and others. Small lattice tower attached to the building in poor condition. This site needs to be dismantled and removed after the new system is in place. Replacement is an option if needed.

- No generator backup
- Equipment is in attic of Town Hall
- Grid tower in poor condition.

9. ATTACHMENT D: Critical Building List – Interior Performance Confirmation

Site #	Site Name	Site Address
1	Granby High School	54 North Granby Rd
2	Granby Middle School	321 Salmon Brook St
3	Kelly Lane School	60 Kelly Lane
4	Wells Road School	134 Wells Rd
5	Town of Granby Offices	15 North Granby Rd
6	Granby Board of Education	15 North Granby Rd
7	Stop and Shop	120 Salmon Brook St
8	St. Theresa's Church	120 West Granby Rd
9	Geissler's	9 Bank St
10	Meadow Brook of Granby	350 Salmon Brook St
11	Group Home	97 Salmon Brook St
12	Group Home	1 Juniper Drive
13	Group Home	1 Knollwood Drive
14	YMCA	97 Salmon Brook St
16	Day Care	1 Salmon Brook St
17	Day Care	257 Salmon Brook St
18	Stony Hill Village	259 Salmon Brook St
19	The Grand	3 Murtha's Way
20	Westfield Bank	12 East Granby Rd
21	Northwest Community Bank	33 Hartford Ave
22	Starling Physicians	18 East Granby Rd
23	Stateline Oil	514 Salmon Brook St
24	Stateline Propane	500 Salmon Brook St
25	Arrow Concrete	560 Salmon Brook St
26	McLean's Game Refuge	109 Salmon Brook St, Canton Rd, 150 Barndoor Hills Rd
27	Enders Falls	Barkhamsted Rd
28	South Congregations Church	242 Salmon Brook St
29	Valley Brook Community Church	160 Granville Rd
30	Elderly Housing	287 Salmon Brook St
31	Station 280 Apartments	280 Salmon Brook St (construction started Fall, 2022)

Exhibit L

Project Management Plan

For the
Simulcast Radio System Project

Prepared for the Town of Granby, CT

by

Marcus Communications

December 2024

Notes:

Notes:

DOCUMENT CONTROL

Project Details

Customer:	**Granby, CT**
Project Description	Simulcast Radio System
Program Manager:	Madison Steffano
Design Authority:	Marcus Communications

Document Approvals

Approvals	Position	Signature	Date

Document Status

	Date	Signature	Comment
Created	12-3-2024		
Revised			

Marcus Contacts

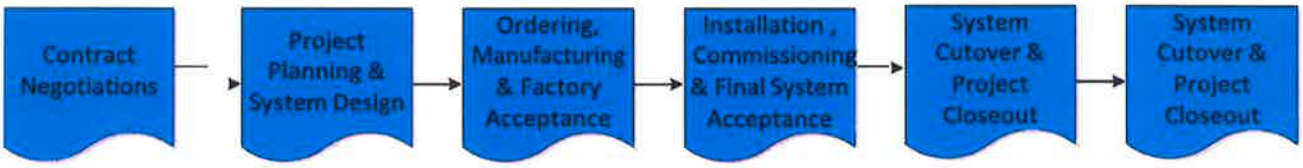
	Primary	Secondary
	Madison Steffano	Chris Hack
	madison@marcusradio.com	chris@marcusradio.com

TERMS AND ABBREVIATIONS

Term	Definition
CAT	**Customer Acceptance Test (Staging)**
CVT	Coverage Verification Test
EXW	Ex-works
FSAT	Final System Acceptance Test
IP	Internet Protocol
ISO	International Organization for Standardization
ISSI	Inter RF Subsystem Interface
RF	Radio Frequency
RSSI	Received Signal Strength Indication
SAT	Site Acceptance Test and Commissioning
SOW	Statement of Work
SRS	System Requirement Specification

INTRODUCTION

Marcus Communications has a team of skilled professionals experienced in designing and implementing critical radio communication systems. This document outlines the various phases involved in a typical Land-Mobile Radio (LMR) system deployment and some specific to the project proposed.



Responsibility matrices have been included which specify Marcus Communication's and the Town of Granby's responsibilities during each phase of project implementation. Marcus Communications is willing to discuss and modify the scope of work defined in the matrices prior to contract award but would like to note that this may result in a change order.

PURPOSE OF THE DOCUMENT

The purpose of the Project Management Plan is to define the scope of the services and deliverables from Marcus Communications for the Town of Granby, CT Simulcast Radio System project. This document is intended to be a living document, at the same time it does alter the contractual obligations.

APPLICABLE DOCUMENTS

The following documentation is referenced herein and includes the contractual, regulatory and design documents from the RFP response, governmental, industrial, and Marcus sources. In the event of conflicts between the Project Management Plan and documents cited herein, this Project Management Plan takes precedence.

Town of Granby, CT

- Granby Radio Communications Project RFP addendums and RFP questions.
- Marcus Communications RFP response.

Government and Industry

- R56, Standards and Guidelines for Communications Sites, 2005 edition. All sites will be installed to this standard.

1. PROJECT PLANNING

Planning is an essential element for the success of any project. Marcus Communications carry out detailed requirements capture, preliminary analysis and investigates all the proposed options to ensure that all technical, functional and operational requirements for the radio system solution are identified and fully documented.

1.1 PROJECT MANAGEMENT

Marcus Communications' implementation of the proposed system assigns a Marcus project manager that will be responsible for the project team. This also includes management of third parties and other procurement relationships.

Marcus Communications will hold a project kickoff. The objectives of this meeting should include:

- Introduction of all project management participants
- Review of the roles and responsibilities of each project team participant
- Review of the scope of work outlined for town of Granby and Marcus Communications
- Review of the project logistics

1.2 PROJECT SCHEDULE

All references to days within this Project Management Plan shall be interpreted as Calendar Days, unless otherwise specified. Marcus Communications will be maintaining the master schedule & ensuring deadlines are met.

1.3 PROJECT REPORTING

Vendors or contractors or other third party may attend status update meetings via teleconference if required by Marcus throughout the project. Marcus Communications will provide a bi-weekly Project Status Report describing activity, progress, variances, risks & issues.

1.4 PROJECT SCOPE CONTROL

Any deviations from the original scope will be handled through the standard change order process.

1.5 PROJECT MEETINGS

The following are a list of meetings typical in projects of this scale and is subject to change with input from Marcus and the Town of Granby

Travel Event	Personnel	Venue	Duration
Project Kick-off and Preliminary Design Review	Project Manager, Project Engineering executive management, the Granby rep.	Customer Site	1/2 day
Detailed (Final) Design Review	Project Manager, Project Engineering team. Granby rep.	Customer Site	1 day
Bi-weekly status meetings	Project staff and Granby rep.	Video or in person	1 Hour each
Train the Trainer Training	Marcus Trainer, Town of Granby	Customer Site TBD	3 days
Staging	Project manager, Implementation Manager, Town Granby	Marcus Communications	1/2 days
Commissioning/Site Acceptance Test (SAT)	Systems manager	Customer Site(s)	1 days per site
Coverage Verification Test	Marcus Staff, Town of Granby	Customer Sites(s)	3 days
Closeout Meeting	Project Manager, Granby rep.	Customer Site	1 day

2. SYSTEM DESIGN PHASE

Marcus will assign a project engineering team as the design authority for the project. The project engineering team manages the design process of the network and is responsible for all technical aspects of the project. They plan each design task and assign each to a suitable subject matter expert. They will work closely with Tait Communications, and other vendors ensuring that the design meets all stakeholder requirements by presenting the design as documented in the System Infrastructure Description (SID) during the Preliminary and Final Design review. The project engineer team will oversee all installation and testing ensuring that the network provides the performance expected.

The design process consists of the following milestones:

2.1 REQUIREMENTS DEFINITION AND CAPTURE

The system design process will begin with a requirements consultation between key personnel and the assigned project manager. This establishes a clear definition and understanding of the system objectives and operational requirements. The project manager will document the functionality and performance requirements in the System infrastructure description if any modifications are made from the original as bid.

2.2 SITE SURVEYS

Site surveys will be performed by Marcus Communications.

2.3 SOLUTION DESIGN

Once all the requirements are captured, the project engineering team will begin reviewing the design proposed by Marcus in its RFP response. Any changes, if necessary, will be made and documented in the System infrastructure description.

2.4 DETAILED DESIGN REVIEWS

The base line design developed during the system design phase will be presented by Marcus Communications to the Town of Granby at the preliminary design review. During the preliminary design review all design assumptions will be verified and any necessary changes to the design will be agreed to and implemented. All agreed changes from the preliminary design review will be documented in the System infrastructure description.

Design review documents may be divided between the Radio infrastructure and the site/civil work if the site access permissions are delayed for any reason. This would be important to keep momentum in the overall project.

A final detailed design review will then be conducted. Upon agreement of the final design, Marcus will proceed with the project.

2.5 FACTORY ACCEPTANCE TESTING of Tait equipment

The Factory Acceptance Test (FAT) is a thorough, detailed test performed on Tait's factory floor in Christchurch, New Zealand. The FAT demonstrates the performance of individual sub-assemblies to published specifications for each system component (i.e. base stations, controllers, routers, subscriber radios, etc.) on the factory floor once equipment has been built. The FAT verifies that the equipment meets performance specifications for quality control purposes. The Tait FAT for this project is not be customer witnessed. After successful FAT, the equipment will be packaged and shipped to Marcus Communications for staging location with applicable documentation of pass/fail.

3. ORDERING, MANUFACTURING

Following the final design approval, Marcus will proceed to order the equipment based on schedule requirements.

3.1 LOGISTICS

The equipment is shipped through the regional distribution center in Long Island, NY

3.1.1 Method of Delivery

The best way is determined at the time of shipment.

3.1.2 Packaging

Tait shall package the system using commercial best practices in accordance with ASTM D3951-10, ISO ICS 55, MIL-STD-2073-1.

3.1.3 Marking for Shipment

No special marking required

4. DEPLOYMENT

4.1 CUSTOMER ACCEPTANCE TESTING – "Staging"

The Customer Acceptance Test (CAT) is also known as a "staging" test. Prior to shipping equipment to the field for installation, the CAT demonstrates important aspects of the features and functions of the network. The "staging" provides a unique environment to allow for a full range of tests which may not be capable of being performed after system installation. The "staging" will be performed at and by Marcus Communications.

4.2 INSTALLATION, COMMISSIONING AND FINAL SYSTEM ACCEPTANCE

Following successful completion of the staging phase, the network is ready for installation and commissioning. This phase consists of the following important steps:

4.2.1 Site Acquisition/permissions

All sites must be ready for deployment of equipment

4.2.2 Statement of Work

Marcus Communications is responsible for site preparation, civil works & installation of all system equipment and will provide for onsite supervision during the staging and site installation.

Site 1 - 44 Gavitt Rd (Gavitt Rd)

- TB9400 base stations with AC / 48VDC power redundant power supplies
  1 UHF P25 unit for PD
  1 UHF P25 unit for GAA
  2 VHF Analog / P25 capable unit for FD
- Eltek DC power plant
- Spectracom SecureSync frequency references
- Cisco 9300 Switch with AC / 48VDC redundant power supplies
- TXRX combiner and multicoupler systems (both UHF and VHF)
- Sinclair UHF and VHF antennas with transmission subsystems

SIAE AGS-20 split-mount 18 GHz microwave with dish antenna

30 KW generator

Climate-controlled outdoor cabinet

Site 2 – 8 Upper Meadow Ln (Meadow Ln)

- 5 TB9400 base stations with AC / 48VDC power redundant power supplies
  - 1 UHF P25 unit for PD
  - 1 UHF P25 unit for GAA
  - 2 VHF Analog / P25 capable unit for FD
  - 1 VHF P25 unit for DPW
- Eltek DC power plant
- Spectracom SecureSync frequency references
- Cisco 9300 Switch with AC / 48VDC redundant power supplies
- TXRX combiner and multicoupler systems (both UHF and VHF)
- Sinclair UHF and VHF antennas with transmission subsystems
- SIAE AGS-20 split-mount 18 GHz microwave with dish antenna
- 30 KW generator
- Climate-controlled outdoor cabinet

Site 3 – 229 Mountain Rd (Mountain Rd)

- 5 TB9400 base stations with AC / 48VDC power redundant power supplies
  - 1 UHF P25 unit for PD
  - 1 UHF P25 unit for GAA
  - 2 VHF Analog / P25 capable unit for FD
  - 1 VHF P25 unit for DPW
- Eltek DC power plant
- Spectracom SecureSync frequency references
- Cisco 9300 Switch with AC / 48VDC redundant power supplies
- TXRX combiner and multicoupler systems (both UHF and VHF)
- Sinclair UHF and VHF antennas with transmission subsystems
- 2 SIAE AGS-20 split-mount 18 GHz microwave with dish antennas
- 30 KW generator
- 10x16' concrete communications shelter

Site 4 – Metacomet Ridge

- 4 TB9400 base stations with AC / 48VDC power redundant power supplies
  - 1 UHF P25 unit for PD
  - 1 UHF P25 unit for GAA
  - 2 VHF Analog / P25 capable unit for FD
- Eltek DC power plant
- Spectracom SecureSync frequency references
- Cisco 9300 Switch with AC / 48VDC redundant power supplies
- TXRX combiner and multicoupler systems (both UHF and VHF)
- Sinclair UHF and VHF antennas with transmission subsystems
- SIAE AGS-20 split-mount 18 GHz microwave with dish antenna
- 30 KW generator
- Climate-controlled outdoor cabinet

Site 5 – 15 North Granby Rd Commercial Monopole (Town Hall)

- 1 TB9400 base stations with AC / 48VDC power redundant power supplies
  - 1 VHF P25 unit for CERT Team
- Eltek DC power plant
- Spectracom SecureSync frequency references
- Cisco 9300 Switch with AC / 48VDC redundant power supplies
- TXRX duplexer
- Sinclair VHF antenna with transmission subsystem
- 3 SIAE AGS-20 split-mount 18 GHz microwave with dish antennas

All sites are to be powered by AC main and ELTEK Flatpack S 2U power systems. This provides parallel redundant power supplies (see attached data sheets for specifications). Marcus does not consider UPS' appropriate for public safety infrastructure use.

Marcus Communications reserves the right to substitute minor similar components due to availability issues at time of purchase.

Dispatch Center

Renovations

In addition to replacing the console furniture, Marcus Communications will have the responsibility of providing some renovations to the room while it is empty. This scope would include replacement of the existing carpeting and the base molding. The Town can assist in choosing what style, brand, and design to fit within the aesthetics of the new furniture under the assumption that it will fit within the estimate provided for these line items.

Marcus Communications will also work with the Town to replace their cabinetry through Russ Basset to ensure the furniture style is seamless and well-integrated.

Marcus Communications will take full responsibility for the removal of old furniture and provide a dumpster to discard the removed material.

Electrical

All electrical in the dispatch room is existing and any will be utilized when installing the new console equipment. Marcus Communications will be responsible for ensuring that the furniture is powered utilizing the existing electrical.

Console Transition

Marcus Communications will be responsible for providing a temporary dispatch to operate out of during the renovation process. The location of this room will be determined in conjunction with the Town based on availability and ease of cable running. The temporary location will be set up utilizing the new console equipment to allow for training on the new system and equipment, prior to a formal cutover. If additional electrical capacity is needed to support the temporary location, Marcus Communications will assume responsibility for this.

The console system positions will be equipped with the following items:

- 24-inch monitor
- USB keyboard
- USB mouse
- Desktop microphone
- Heavy-duty foot switch
- Select and unselect speakers
- Wired headset (wireless priced as an option)
- 5 DFSI resources
    - New Granby Channels
- 7 UHF resources
    - Granby BOE
    - Simsbury PD, WMLEC PD, WMLEC FD
    - Simsbury FD, Simsbury EMS
    - RAFS 1, RAFS 2
    - Avon PD, Canton PD, BDL FD
    - Intercity
    - U-Call-40, CREST, SWAT1-4
- 3 VHF resources
    - E. Granby FD
    - Suffield PD, Windsor Locks PD
    - DEMHS, Avon Intercity
- 2 CLRMN compatible resources
    - TN-LCD-GRANBY Link
    - Windsor PD, Bloomfield PD, Farmington PD, West Hartford PD
- Hartford County Hotline
- ICall/ITac

The dispatch connection to the radio system will utilize fiber that will run between the PD and the commercial monopole tower within the Town Hall complex. Each channel will be connected to the console with a DFSI connection. The two-position Avtec console will feature redundant VPGate servers and will integrate with the existing recorder. The dispatch console description will be outlined in a separate document in the response.

The town is responsible for the following if applicable

Removal of the glass window, additional electrical in dispatch, lead paint/asbestos testing and removal, moving and relocation of all alarm equipment, CAD, and camera monitoring equipment, and replacing of dispatch chairs.

Common scope of work to all sites is as follows:

- Construction/zoning/engineering documents prepared for approval.
- Marcus Communications will prepare all necessary documents for zoning approval.
- Marcus will apply for all required building and zoning permits – it is assumed the town will waive all fees.
- Construction testing services as described in this document.
- Third party engineering of new tower structure review as required.
- Final construction documents and shop drawings completed for final Marcus and town approval.
- The new towers and foundation will be designed by the tower manufacturer. Marcus has chosen Valmont as the tower manufacturer.
- All sites will require Geotech surveys to investigate subsurface conditions. All sites will be investigated and reports issued for the engineering/design team.
    - We will use handheld GPS equipment to locate borings with an estimated horizontal accuracy of +/-20 feet. Field measurements from existing site features may be utilized. If available, approximate elevations will be obtained by interpolation from a site specific surveyed topographic map.
    - Subsurface Exploration Procedures: We will advance soil borings with a truck-mounted drill rig using continuous flight augers (solid stem and/or hollow stem, as necessary, depending on soil conditions). Two (2) samples will be obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter if required. Soil sampling is typically performed using split-barrel sampling procedures. The split-barrel samplers are driven in accordance with the ASTM D 1586 Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils. The samples will be placed in appropriate containers, taken to our soil laboratory for testing, and classified by a Geotechnical Engineer. In addition, we will observe and record groundwater levels during drilling and sampling. Soil test boring will be terminated upon encountering bedrock or refusal-to-drilling conditions. Our exploration team will prepare field boring logs as part of standard drilling operations including sampling depths, penetration distances, and other relevant sampling information. Field logs include visual classifications of materials encountered during drilling, and our interpretation of subsurface conditions between samples. Final boring logs, prepared from field logs, represent the Geotechnical Engineer's interpretation, and include modifications based on observations and laboratory tests.
    - Property Disturbance: We will backfill borings with auger cuttings upon completion. Pavements will be patched with cold-mix asphalt and/or ready mixed concrete, as appropriate. Our services do not include repair of the site beyond backfilling our boreholes, and cold patching existing pavements. Excess auger cuttings will be dispersed in the general vicinity of the borehole. Because backfill material often settles below the surface after a period, we recommend boreholes to be periodically checked and backfilled, if necessary. We can provide this service, or grout the boreholes for additional fees, at your request.
    - Results of our field and laboratory programs will be evaluated by a professional engineer. The engineer will develop a geotechnical site characterization, perform the engineering calculations necessary to evaluate foundation alternatives, and develop appropriate geotechnical engineering design criteria for earth-related phases of the project.
- The geotechnical engineering report will provide the following:
    - Boring logs with field and laboratory data
    - Stratification based on visual soil classification
    - Groundwater levels observed during and after the completion of drilling
    - Site location and exploration plans
    - Subsurface exploration procedures
    - Description of subsurface conditions
    - Laboratory testing results
    - Recommended engineering design parameters for the proposed tower and shelter foundations.
- As part of the construction process, grounding will be created or brought up to current Harris AE/Izt 123 4618/ R3A and R56 installation standards.
- All sites will have surveys conducted by the licensed land survey firm.

- Will perform and prepare three (3) site specific topographic surveys per the limits and scope requirements on the attached site sketches.
- Will conduct all survey work in accordance with the procedural and technical standards for the Practice of Land Surveying (250 CMR 6.0). Vertical datum shall be based on North American Vertical Datum (NAVD 1988). Horizontal control shall be based on the Massachusetts Rectangular Grid (NAD 1988) coordinate system in U.S.

- At the sites of new tower construction an FAA 2C Certification Letter will be created and a FAA 2C Certification survey required will be completed for submission to the Federal Aviation Administration (FAA) where towers or antennas are installed or are planned to be installed. Certification includes surveying using GPS to determine the latitude and longitude of the tower or structure along with elevations of the tower, structure and installed or proposed antennas.
- Latitudinal and Longitudinal accuracy to within ±50 feet horizontally and ± 20 feet vertically. The horizontal datum (coordinates) will be provided in terms of the North American Datum of 1983 (NAD 83) and are expressed in degrees minutes and seconds to the nearest hundredth of a second. The vertical datum (heights) will be provided in terms of the National Geodetic Vertical Datum of 1929 and expressed to the nearest foot.
- Deliverable: one (1) electronic copy (.pdf) of FAA 2C Survey Certification Letter signed and sealed by a licensed professional engineer.

No FAA study will be required at the existing sites as the tower structure is not anticipated to increase in height. At existing sites, the following required 3rd party inspection services will be performed if proper documentation is not available for structural review.

- Sub-grade inspection
- Foundation rebar and concrete inspection/testing
- Pier rebar and concrete inspection/testing
- Compaction testing

The following is a list of work specific to each site:

Municipal Complex Site
At this site, Marcus is removing the existing tower on the side of the town hall. The town hall tower will remain in place and will be removed once all the old equipment is decommissioned. The monopole that is currently existing elsewhere at this site will be reused.

Engineering services
- Conduct a site visit to discuss the overall project, to verify existing conditions, to obtain necessary dimensions, and to exchange available drawings and information.
- Conduct a full structural analysis to investigate if the Monopole has the capacity to meet the needs of the new proposed equipment.

Construction Drawings
- Prepare site layout to accommodate the ancillary ground equipment and tower mounted equipment within the compound along with the tower infrastructure.
- Design a grounding system for the proposed equipment based upon recommended industry guidelines.
- Construction drawings with technical specifications for the site to incorporate all necessary details and construction notes. One review is assumed.
- Deliverables include: Three (3) 11"x17" sets of drawings and one (1) electronic (.pdf) file of the construction drawings. All drawings sets are to be signed and sealed by a licensed Professional Engineer.

Independent Structural Engineering Consultant Review
- Structural review of proposed design as required.
- Deliverable: one (1) electronic copy (.pdf) of the Independent Structural Engineering Consultant Review letter signed and sealed by a licensed professional engineer.

Special Inspections Coordination
- Follow the guidelines stipulated in the current building codes.

- The Special Inspections Coordination shall include: Any applicable Statement of Special Inspection listing all applicable and required construction components to be inspected which will identify the parties responsible for the inspections and testing when required.
- The Contractor shall schedule all required inspections directly with the procured testing laboratory.
- Preparation of Final Closeout Package signed and sealed by a licensed professional engineer confirming the inspection items are in accordance with the documents prepared by the project engineer of record.
- All inspection reports, photos and other information prepared during the construction of the site as appropriate.
- Deliverables: one (1) original and one (1) electronic (.pdf) file of each interim report, and the Final Statement of Special Inspections with supporting documentation.

Major elements of the site work

- Site work - Cut and fill existing topography to grades after removal of foundation.
- Storm water management - erosion control if required
- Patching of building after removal of tower bracing
- Tower foundation removal and disposal
- Tower – removal and disposal
- Repair or replace any curbing or ground cover disturbed during construction

229 Mountain Road - Greenfield Site

This site will have the construction of a new self-supporting communications tower, shelter, generator, and compound.

Engineering services

Conduct a site visit to discuss the overall project, to verify existing conditions, to obtain necessary dimensions and to exchange available drawings and information.

Construction Drawings

- Prepare site layout to accommodate the ancillary ground equipment and tower mounted equipment within the compound and tower infrastructure.
- Design a grounding system for the proposed equipment based upon recommended industry guidelines.
- Construction drawings with technical specifications for the site to incorporate all necessary details and construction notes. One review is assumed.
- Deliverables include: Three (3) 11"x17" sets of drawings and one (1) electronic (.pdf) file of the construction drawings. All drawings sets are to be signed and sealed by a licensed Professional Engineer.

Independent Structural Engineering Consultant Review

- Structural review of proposed design as required by local jurisdiction.
- Deliverable: one (1) electronic copy (.pdf) of the Independent Structural Engineering Consultant Review letter signed and sealed by a licensed professional engineer.

Special Inspections Coordination

- The Special Inspections Coordination shall include: Any applicable Statement of Special Inspection listing all applicable and required construction components to be inspected which will identify the parties responsible for the inspections and testing when required.
- The Contractor shall schedule all required inspections directly with the procured testing laboratory.
- Preparation of Final Closeout Package signed and sealed by a licensed professional engineer confirming the inspection items are in accordance with the documents prepared by the project engineer of record.
- All inspection reports, photos and other information prepared during the construction of the site as appropriate.
- Deliverables: one (1) original and one (1) electronic (.pdf) file of each interim report, and the Final Statement of Special Inspections with supporting documentation.

Major elements of the site work

- Site work - Cut and fill existing topography to design grades
- Storm water management - erosion control
- Construct new tower foundation and erect tower steel

- Construct shelter with appropriate foundations
- Install propane powered Generator and 500-gallon fuel tank
- Compound Finish - geofabric and 4" 3/4" stone over compound.
- Install Ground ring
- Tower Foundation including excavation and concrete work
- Tower - Take delivery and transport tower to site
- New Ice bridge from the tower to the building entry
- Chain link fencing around tower base
- New electrical service to the site will need to be installed to accommodate the equipment.

Gavitt Road tower - Meadow Lane tower - Metacomet tower
These sites have many unique requirements. These sites are owned by other parties and proper lease/use agreements must be obtained by the Town. Marcus proposes to add onto and modify the existing towers and sites.

It is necessary to install a full-size outdoor cabinet at the Metacomet site due to the access issues related to this site.

While it is impossible to know the extent of modifications that are necessary to install the proposed equipment before making the actual structural assessment, Marcus Communications has carried all the costs for a complete investigation of the foundation and tower structures. This projected budget is based on our experience in the construction field and in consultation with our structural engineer.

Engineering Services
Conduct a site visit to discuss the overall project, to verify existing conditions, to obtain necessary dimensions, and to exchange available drawings and information.

Structural Analysis Report
Provide a structural analysis of all three towers in accordance with the local building code requirements and the TIA-222 Structural Standards Structural Standard.

Adequate structural documentation of the existing tower structure, foundation components, geotechnical conditions, tower and/or foundation structural reinforcement designs and current tower appurtenance mapping to be provided by the site owners. All documentation to be reviewed and accepted by Marcus prior to commencement of the structural analysis.

Deliverables: three (3) bound reports and one (1) electronic copy (.pdf) of Structural Analysis Report signed and sealed by a licensed structural engineer.

Construction Drawings
- Prepare site layout to accommodate the proposed pre-manufactured equipment shelter, ancillary ground equipment, & tower mounted equipment within the compound and tower infrastructure.
- Design shallow foundations and support pads for the proposed pre-manufactured equipment shelter, emergency generator & propane tank.
- Design site utility suitable to meet the power and fueling needs of the installation.
- Design a grounding system for the proposed equipment based upon recommended industry guidelines.
- Construction drawings with technical specifications for the site to incorporate all necessary details and construction notes. One review is assumed.
- Deliverables include: Three (3) 11"x17" sets of drawings and one (1) electric (.pdf) file of the construction drawings. All drawings sets are to be signed and sealed by a licensed Professional Engineer.

Modification Design – If required, the costs to be paid for by the Town.
Structural Modification Drawings with technical specifications to incorporate all necessary details, construction notes and modification inspection requirements to bring existing tower structure into structural compliance. Deliverable: one (1) electronic copy (.pdf) of Structural Modification Drawings signed and sealed by a licensed structural engineer.

Special Inspections Coordination

- Follow the guidelines stipulated in the current building codes.
- The Special Inspections Coordination shall include: Any applicable Statement of Special Inspection listing all applicable and required construction components to be inspected which will identify the parties responsible for the inspections and testing when required.
- Centek will attend one preconstruction visit to review with the CLIENT and the Contractor all Special Inspection requirements.
- The CLIENT's Contractor shall schedule all required inspections directly with the procured testing laboratory.
- Preparation of Final Closeout Package signed and sealed by a licensed professional engineer confirming the inspection items are in accordance to the documents prepared by the project engineer of record.
- All inspection reports, photos and other information prepared during the construction of the site as appropriate.
- Deliverables: one (1) original and one (1) electric (.pdf) file of each interim report, typical of two (2) and the Final Statement of Special Inspections with supporting documentation.

Major elements of the site work

- Site work - Cut and fill existing topography to design grades
- Installation of full climate controlled outdoor cabinets
- Install cabinets, generators with appropriate foundations
- Install propane powered Generator and 500 gallon fuel tank. A different tank configuration might be required if the road is not suitable for tank refill.
- Compound Finish - geofabric and 4" 3/4" stone over compound.
- Install/reconfigure Ground ring
- New Ice bridge from the tower to the cabinet entry
- Electrical service to the site will need to be reconfigured to accommodate the equipment.

Generator Installations

The Marcus team is very experienced in generator backup power installations. We never compromise on quality and durability to find the cheapest price. Having reliable backup power systems is a must in all mission critical systems. We have selected what we have come to know as the most reliable solution for us in our years of experience.

All sites (except the Police HQ) will have the same generator set installed. This will be beneficial from a maintenance standpoint to have common maintenance and replacement parts for ease of service.

Cummins Power engine and Onan Generator set model C30N6

30kW, 240/120 single phase, 150 amp 2 pole breaker, 125amp output @240 Vac and included the following:

- 1800RPM Liquid Cooled, Cast Iron Engine
- 4 Pole Copper Wound 125 degree C rise Alternator w/Class H insulation
- Weather Protective, Sound Attenuated Aluminum Enclosure
- Engine Block Heater -Engine Battery Charger 6 Amp float type, environmentally sealed.
- Heavy Duty (large electrolyte capacity) Engine Starting Battery
- All Engine Fluids (except for fuel)
- NFPA 110 compatible controller (may need annunciator, or accessories to be level 1 or 2 compliant)
- 2 Wire Remote Start Input -Rodent Proofing (hardware cloth)
- Startup Testing/ Commissioning
- Load Bank acceptance testing
- Propane (LPG Vapor Fueled) Engine/Genset

A precast concrete pad will be installed for the generators all with proper per code grounding.

Transfer Switch

The Transfer Switches we specified in this design for durability, reliability, ease of service, parts commonality, are the ASCO, 300 Series (ASCO 300, Group G 200 AMP), with the Optional Group G digital controller. They contain the following features:

- NEMA 1 Enclosures (indoor mounting)
- 2 Pole, Solid Neutral Contactor Design
- 240/120 Volt Single Phase Sensing
- Manual operator (in case of control failure)
- Digital Display, with adjustable Voltage sensors.
- Auxiliary Relay contacts for alarms, load shed, and monitoring.

Shelters

Marcus Communications is proposing the tried and tested Thermobond or united concrete Building. Shelter detail for the Mountain Road site to provide a 12'-0" x 20'-0" exterior x 9'-0" Interior pre-cast concrete equipment shelter.

SPECIFICATIONS:

- Floor Load: 200 psf
- Roof Load: 150 psf
- Walls: 150 mph

BUILDING SIZE:

- Outside (Eaves): 10'-4" W x 20'-4" L x 10'-7" H
- Outside (Base): 10'-0" W x 20'-0" L x 10'-7" H
- Equipment Room: 9'-0" W x 17'-0" L x 9'-0" H (Nominal)
- Estimated Module Weight: 44,000 lbs.

SHELL:

- Floor: 5 3/4" Solid concrete floor
- Walls: 4" Solid concrete
- Roof: Solid concrete 4" at eave and 5 1/2" at ridge
- Design: Step-joint design
- Tie down: (4) Tie down plates
- Bolts: Painted bolts to replace lifting lugs
- Concrete: 5000 psi lightweight concrete
- Reinforcing: Steel #4 and #6 bars, 60,000 psi (Grade 60 ASTM-615)
- Ratings: Walls to 2 hour fire rated
- Ballistics: Tested for UL-752, (HPR-30.06 point blank range)

EXTERIOR FINISH:

- Walls: Washed exposed aggregate and sealed
- Roof: Trowel surface and sealed, broom finish

INTERIOR FINISH:

- Floor: Covered with 1/8" x 12" x 12" white commercial tile and a 4" base cove
- Interior Walls: 3/4" APA Rated OSB covered with white embossed fiberglass reinforced plastic (FRP)
- Ceiling: 3/4" APA Rated OSB covered with white embossed fiberglass reinforced plastic (FRP)

DOORS:

- Quantity/Size: (1) 3'-0" x 7'-0" w/steel awning
- Door Type: 18 ga. Insulated metal door, painted to match exterior finish
- Frame Type: 16 ga. Painted galvanized metal frame
- Lockset: deadbolt with cylinder, passage lever set (Class 1)
- Hinges: NRP-SS hinges
- Weather Strip: Magnetic weather stripping
- Threshold: Saddle type threshold, mill finish aluminum
- Door Sweep: Neoprene style, mill finish aluminum
- Anti-pick Plate: Latch Guard or equal
- Hold Back: (1) hydraulic closer
- Drip Cap: Drip cap, mill finish aluminum

AIR CONDITIONING/HEATING:

- Quantity: 2
- Brand: Bard 2 ton
- Model: 230/208V 1 phase
- Description: 24,000 btu units with integrated 5KW heat strips, time delay anti-short cycle timer, high- and low-pressure switch, low ambient control, and a one year parts and labor guarantee
- Temp. Control: (1) Master control Lead/Lag thermostat

Electrical package:

a. (1) - 200 amp, single phase distribution panel with main breaker
b. (1) – 200 amp, single phase exterior main breaker disconnect
c. Transtector Type 1 & 2 surge arrestors
d. (4) - 4 foot LED light fixture with switch
e. (1) - LED exterior light with PE cell
f. (6) - 120v duplex receptacles
g. (1) – exterior GFI receptacle
h. (2) – 30 amp ceiling mounted twistlock receptacles
i. (2) - 2 ton cool/5kW heat Bard wall mount air conditioner with master control thermostat
j. (6) – 4" entrance port
k. (2) – 4"x20"x1/4" master ground bar w/R-56 halo ground ring
l. (25') – 12" ceiling mounted cable ladder
m. All electrical wires, breakers, boxes, conduit, etc. to make a complete assembly

MISCELLANEOUS:

- Binder Holder: (1) Wall pocket for storage of documentation

3.1.4 Site Acceptance Testing – "Commissioning"

The Site Acceptance Test (SAT), also known as "Commissioning", is performed in the field, on a site-by-site basis, once the equipment has been installed and power and network connectivity is complete. The purpose of the Site Acceptance Test is to validate that radio system at each site powers up and operates as expected, at that particular location. The SAT verifies that the system design configuration (frequencies, RF subsystems, network parameters, etc.) meets design specifications. The form for this testing is part of the contract exhibit G.

3.2 COVERAGE VERIFICATION TESTING

The Coverage Verification Test (CVT) is performed after the sites have completed their Site Acceptance Tests, and therefore have been fully installed with final RF systems.

CVT drive testing captures over-the-air RF transmissions of the radio system after all sites have been installed and optimized. The CVT validates that the coverage performance meets coverage design specifications including coverage boundary as based on final coverage prediction maps and as-built installation data.

3.3 SYSTEM CUTOVER

One of the key steps involved in the implementation of the new system is to develop a comprehensive cutover plan which will allow users to transition to the new system in a smooth manner with minimal disruptions to everyday operation.

After all the above test & inspections are performed & accepted, the system will be ready for cutover. The project engineer will develop a comprehensive transition plan in consultation with the Town of Granby and Marcus Communications. The final cutover plan will be developed when all site surveys are completed and exact existing conditions are known.

3.4 FINAL OPERATIONAL TESTING

The Final System Acceptance Test (F-SAT) is the final test performed on the system. The F-SAT demonstrates functionality of the system in its actual working environment. The F-SAT is performed in the field once all associated sites are installed, and backhaul connectivity is available to all associated system locations, and all systems are stable.

5. TRAINING

Training is outlined in Exhibit "E" of the contract. Marcus Communications will create a training syllabus based on the final configurations of equipment and provide the training syllabus to the Town's representative. This training is considered to be conducted in the Town of Granby during normal daytime working hours. Training classes will be provided on the two major sections as outlined in the exhibit.

6. PROJECT CLOSEOUT

The Marcus project manager will ensure that all the required as-built documentation is provided and Marcus Communications is satisfied with the operation of the new radio system before project closeout.

APPENDIX A – PROJECT RESPONSIBILITY MATRIX

Project Responsibility Matrix		
System Design	**Granby**	**Marcus Communications**
Requirements Analysis Document		x
Site Survey (space in equipment rooms, AC/DC power supply, environmental factors, east of access, etc.)		X
High Level System Design Document		X
Site As Built Documentation (site drawings)		X
Antenna System Planning		X
Power consumption and Power Backup Planning		X
IP Network design (IP system loading, routing design, IP numbering, route capacity planning, etc.)	X	X
Frequency Plan (frequency allotment, inter-modulation, interference)		X
Coverage Study		X
Backbone Specifications		X
Microwave design		X
Fleet Mapping	X	X
Interfaces Planning/Design (console)	X	X
High Level System Monitoring Document	X	X
Migration Planning Document	X	X
System Infrastructure Description		X
Approve the DDR	X	X
Logistics	**Granby**	**Marcus Communications**
Ordering		
Prepare the final Bill-of-Material (BOM)		X
Signoff on the final Bill-of-Material (BOM)		X
Place orders for major infrastructure		X
Place orders with suppliers and vendors		X

Deploy	Granby	Marcus Communication
initial Acceptance Testing		
Inventory equipment received from Vendors		X
Stage Equipment		X
Staging tests		X
Provide necessary personnel to witness tests if desired	X	
Pack and ship equipment for on-site installation		X
Installation		
Install infrastructure equipment		X
Ground installed equipment		X
Commissioning		
Ensure that the network is operating as designed	X	X
Verify system levels and parameters are set properly		X
Verify site equipment is working properly		X
Verify system alarm and monitoring system is functioning properly	X	X
Field Acceptance Testing		
Execute the Coverage Acceptance Test Plan (CATP)	X	X
Provide necessary personnel to witness CATP	X	X
Execute the site commissioning procedures		X
Provide necessary personnel to witness commissioning if desired	X	X
System Cutover		
Identify user agency stakeholders who will approve the cutover plan	X	X
Consult with key customer personnel for input on the cutover plan	X	X
Develop & get approval on the final cutover plan		X
Communicate the approved cutover plan to all agency personnel	X	X
Program and install mobiles		X
Program portables		X

Tower	Granby	Marcus Communications
Tower Build		
Excavation of tower site and conduit trenches		X
Planning/zoning/Building Permits		X
New electrical service to the tower site	X	
Installation of electrical from the town supplied meter to shelter		X
Constructions of access road and tree clearing at site compound	X	

Furnish and install self-supporting tower		X
Geotechnical evaluation for tower foundation		X
Provide all necessary stamped engineering and design		X
Mounting of all antennas and associated ancillary items		X
Run coaxial cable from the tower to the outdoor cabinet		X
Pour concrete foundation and set anchor bolts for tower		X
Install radio equipment		X

Training & Closeout	Granby	Marcus Communications
Training		
Trainer training	X	X
System administrator training	X	X
Technician training	X	X
Radio user training	X	X
Dispatcher training	X	X
Project Closeout		
Provide as-built documentation		X
Submit letter request for final acceptance		X
Provide warranty details and contact information		X
Sign letter for final system acceptance	X	X
Review warranty procedures with the town		X

Warranty for Years 4 through 7 as required by Page 21 of the RFP

Qty	Manufac P/N		Description	Unit Price	Extended
	See Warranty years 1 to 3 in Section 1 above, Granby required that they be included in the contract				
			Year 4		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ 658.00	$ 5,264.00
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ 427.00	$ 3,416.00
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
289	2990600017	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 23,120.00
12	2990600017 - Console Control Station Radios	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 960.00
40	Unication Pagers	Warranty	Unication extended warranty covering an additional 3 years (Years 3, 4 and 5) - Paid in Year 3	$ -	$ -
1	Marcus Labor - Year 4	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 4	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 4	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 800.00	$ 9,600.00
				Warranty Year 4	**$ 74,694.85**

Qty	Manufac P/N		Description	Unit Price	Extended
			Year 5		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
289	2990600017	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 23,120.00
12	2990600017 - Console Control Station Radios	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 960.00
40	Unication Pagers	Warranty	Unication extended warranty covering an additional 3 years (Years 3, 4 and 5) - Paid in Year 3	$ -	$ -
1	Marcus Labor - Year 5	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 5	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 5	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 900.00	$ 10,800.00
				Warranty Year 5	**$ 67,214.85**

Qty	Manufac P/N		Description	Unit Price	Extended
			Year 6		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ 658.00	$ 5,264.00
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ 427.00	$ 3,416.00
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
289	2990600017	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 23,120.00
12	2990600017 - Console Control Station Radios	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 960.00
40	Unication Pagers	Warranty	Unication extended warranty covering an additional 1 year	$ 42.11	$ 1,684.21
1	Marcus Labor - Year 6	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 6	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 6	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 900.00	$ 10,800.00
				Warranty Year 6	**$ 77,579.06**

Qty	Manufac P/N		Description	Unit Price	Extended
			Year 7		
8	AGS20-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
8	ASN-EXTWAR-24	Warranty	This Siae microwave warranty	$ -	$ -
7	CON-SNT-C93002TA	Warranty	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch	$ 375.00	$ 2,625.00
1	CON-SNT-FPS1020E	Warranty	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli	$ 113.00	$ 113.00
2	Avtec	Warranty	Scoutcare	$ 2,947.37	$ 5,894.74
			Repeater Equipment warranty details		
19	TB9435S-100H	Warranty	Chassis, TB9400, Single, 100W	$ 14.20	$ 269.80
19	T01-01103-LAAA	Warranty	Reciter, TB9400, 440-480MHz	$ 28.68	$ 544.88
19	T01-01121-LBAA	Warranty	Linear Pwr Amp, TB9400, 440-480MHz, 100W	$ 22.66	$ 430.46
19	TBA30A4-4100	Warranty	PMU, TB9000, 48VACDC Aux12V	$ 27.79	$ 527.99
19	TBAS060	Warranty	SFE - Digital Fixed Station Interface	$ 5.81	$ 110.41
19	TBAS050	Warranty	SFE - P25 Common Air Interface (CAI)	$ 79.63	$ 1,513.03
19	TBAS061	Warranty	SFE - Central Voter (TBAS050 Prerequisite)	$ 53.62	$ 1,018.82
19	TBAS062	Warranty	SFE - Simulcast Enable (TBAS061 Prerequisite)	$ 52.56	$ 998.56
19	TBAS065	Warranty	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)	$ 15.17	$ 288.17
289	2990600017	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 23,120.00
12	2990600017 - Console Control Station Radios	Warranty	1-YR EXTENDED WARRANTY, VIKING - Extended Standard Warranty can be bought within the first three years when the radio is under warranty. Order one unit of this item for each RF Deck in VM7000. For example, a 3 deck VM7000 will require 3 units of extended warranty as warranty is tied to a RF Deck.	$ 80.00	$ 960.00
40	Unication Pagers	Warranty	Unication extended warranty covering an additional 1 year	$ 42.11	$ 1,684.21
1	Marcus Labor - Year 7	Warranty	Infrastructure Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
1	Marcus Labor - Year 7	Warranty	Console Maintenance Agreement - Service Contract	$ 9,000.00	$ 9,000.00
12	Marcus Labor - Year 7	Warranty	Subscriber units - Maintenance Agreement - Service Contract	$ 900.00	$ 10,800.00
				Warranty Year 7	**$ 68,899.06**

Vendor:
Marcus Communications
33 Mitchell Drive
PO Box 1498
Manchester, CT 06045
Phone: 860 646-1839

Customer:
Town of Granby, CT
15 North Granby Rd
Granby, CT 06035

Service Agreement

Start Date	Expiration Date	Automatic Renewal	Payment Cycle	Customer Number
TBD	TBD	Yes	Annual	

QTY	Description - Year 7	Service At: Customer	Service At: Svc Center	24x7 or NBD	Annual Amount: Per Unit	Annual Amount: Extended
8	This Siae microwave warranty				$ 0.00	$ -
8	This Siae microwave warranty				$ 0.00	$ -
7	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service				$ 375.00	$ 2,625.00
1	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli				$ 113.00	$ 113.00
2	Scoutcare				$ 2,947.37	$ 5,894.74
	Repeater Equipment warranty details					
19	Chassis, TB9400, Single, 100W				$ 14.20	$ 269.80
19	Reciter, TB9400, 440-480MHz				$ 28.68	$ 544.88
19	Linear Pwr Amp, TB9400, 440-480MHz, 100W				$ 22.66	$ 430.46
19	PMU, TB9000, 48VACDC Aux12V				$ 27.79	$ 527.99
19	SFE - Digital Fixed Station Interface				$ 5.81	$ 110.41
19	SFE - P25 Common Air Interface (CAI)				$ 79.63	$ 1,513.03
19	SFE - Central Voter (TBAS050 Prerequisite)				$ 53.62	$ 1,018.82
19	SFE - Simulcast Enable (TBAS061 Prerequisite)				$ 52.56	$ 998.56
19	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)				$ 15.17	$ 288.17
289	1-YR EXTENDED WARRANTY, VIKINGRF Deck.				$ 80.00	$ 23,120.00
12	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 960.00
40	Unication extended warranty covering an additional 1 year				$ 42.11	$ 1,684.21
1	Infrastructure Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
1	Console Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
12	Subscriber units - Maintenance Agreement - Service Contract				$ 900.00	$ 10,800.00
					Sub	$ 68,899.06
			0%		Tax	$ -
					Total Annually	***$ 68,899.06***

Special Instructions, Terms and Conditions

1	When this agreement is executed the equipment listed will be serviced by Marcus Communications in accordance with the terms and conditions of this contract. This contract excludes the following: replacement of any antennas, service or repair of any transmission line, batteries, tower-supporting mast or tower lighting systems, microphones, backup UPS's, computer monitors, software, pc cables and connectors and replacements equipment, keyboards, mice, PC's. Also, not covered is abuse, physical damage, liquid damage, acts of nature, natural and manmade disasters.
2	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by phone line issues the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
3	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by problems with equipment not covered in this service contract but interconnected to the equipment that is covered by this service contract the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
4	Marcus Communications will make best efforts to repair all equipment listed based upon manufactures support and availability of parts. Marcus Communications reserves the right to discontinue service under this agreement at any time if parts and support are no longer available. Equipment not supported by the manufacture can be covered under a "best effort" time and material basis.
5	Marcus Communications will provide full 24x7x365 emergency coverage on all infrastructure equipment with 2 hour response on line items indicated with 24x7. All other equipment will be normal business hours Monday through Friday 8:30 AM – 5PM.
6	Unless otherwise stated, items not covered include batteries, UPS systems, antennas, antenna systems, combiner systems, interference resolution, FCC Licensing, re-programming services, consulting/engineering services, software enhancements/upgrades and replacement of un-repairable equipment. belt clips, speaker microphones, liquid damage, bent or missing knobs, misuse or neglect. also not covered is any custom built equipment unless specifically identified in the item list.
7	When available, Marcus can provide customer with an advanced replacement unit or subscriber radio in exchange for customer's malfunctioning subscriber radio. Non-standard configurations, customer-modified subscriber radio and third-party Infrastructure are excluded from advanced replacement service. Malfunctioning subscriber unit will be evaluated and repaired by Marcus and returned to Marcus inventory upon completion of repair. Availability of advanced exchange subscriber units are not guaranteed.

8	Infrastructure Preventative Maintenance will provide an operational test and alignment on the customer's infrastructure equipment every 12-18 months to ensure the infrastructure meets original manufacturer's specifications. Infrastructure Preventative Maintenance will be performed during normal business hours. If the system or customer requirements dictate this service must occur outside normal business hours Marcus will provide an additional quotation. Customer is responsible for any charges associated with unusual access requirements or expenses. Marcus will perform this maintenance one per calendar year.
9	System discount assumes all line items shown are purchased. N/A
10	Any items that cannot be repaired can be replaced by a new item at a discount from the State Contract Pricing
11	Infrastructure items **not covered**, telephone line problems, damage from power failures, lightning strike, or other acts of nature, rodent and insect infestations, console head sets, damage from UPS or Generator testing.

Marcus Communications, LLC
Authorized Signature

Title:

Date

Town of Granby
Authorized Customer Signature

Title:

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Phone: 860 646-1839

Customer:
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15 North Granby Rd
Granby, CT 06035

Service Agreement

Start Date	Expiration Date	Automatic Renewal	Payment Cycle	Customer Number
TBD	TBD	Yes	Annual	

QTY	Description - Year 6	Service At: Customer	Service At: Svc Center	24x7 or NBD	Annual Amount: Per Unit	Annual Amount: Extended
8	This Siae microwave warranty				$ 658.00	$ 5,264.00
8	This Siae microwave warranty				$ 427.00	$ 3,416.00
7	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service				$ 375.00	$ 2,625.00
1	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli				$ 113.00	$ 113.00
2	Scoutcare				$ 2,947.37	$ 5,894.74
	Repeater Equipment warranty details					
19	Chassis, TB9400, Single, 100W				$ 14.20	$ 269.80
19	Reciter, TB9400, 440-480MHz				$ 28.68	$ 544.88
19	Linear Pwr Amp, TB9400, 440-480MHz, 100W				$ 22.66	$ 430.46
19	PMU, TB9000, 48VACDC Aux12V				$ 27.79	$ 527.99
19	SFE - Digital Fixed Station Interface				$ 5.81	$ 110.41
19	SFE - P25 Common Air Interface (CAI)				$ 79.63	$ 1,513.03
19	SFE - Central Voter (TBAS050 Prerequisite)				$ 53.62	$ 1,018.82
19	SFE - Simulcast Enable (TBAS061 Prerequisite)				$ 52.56	$ 998.56
19	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)				$ 15.17	$ 288.17
289	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 23,120.00
12	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 960.00
40	Unication extended warranty covering an additional 1 year				$ 42.11	$ 1,684.21
1	Infrastructure Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
1	Console Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
12	Subscriber units - Maintenance Agreement - Service Contract				$ 900.00	$ 10,800.00
					Sub	$ 77,579.06
			0%		Tax	$ -
					Total Annually	**$ 77,579.06**

Special Instructions, Terms and Conditions

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2	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by phone line issues the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
3	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by problems with equipment not covered in this service contract but interconnected to the equipment that is covered by this service contract the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
4	Marcus Communications will make best efforts to repair all equipment listed based upon manufactures support and availability of parts. Marcus Communications reserves the right to discontinue service under this agreement at any time if parts and support are no longer available. Equipment not supported by the manufacture can be covered under a "best effort" time and material basis.
5	Marcus Communications will provide full 24x7x365 emergency coverage on all infrastructure equipment with 2 hour response on line items indicated with 24x7. All other equipment will be normal business hours Monday through Friday 8:30 AM – 5PM.
6	Unless otherwise stated, items not covered include batteries, UPS systems, antennas, antenna systems, combiner systems, interference resolution, FCC Licensing, re-programming services, consulting/engineering services, software enhancements/upgrades and replacement of un-repairable equipment. belt clips, speaker microphones, liquid damage, bent or missing knobs, misuse or neglect. also not covered is any custom built equipment unless specifically identified in the item list.
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9	System discount assumes all line items shown are purchased. N/A
10	Any items that cannot be repaired can be replaced by a new item at a discount from the State Contract Pricing
11	Infrastructure items **not covered**, telephone line problems, damage from power failures, lightning strike, or other acts of nature, rodent and insect infestations, console head sets, damage from UPS or Generator testing.

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Service Agreement

Start Date	Expiration Date	Automatic Renewal	Payment Cycle	Customer Number
TBD	TBD	Yes	Annual	

QTY	Description - Year 5	Service At: Customer	Service At: Svc Center	24x7 or NBD	Annual Amount: Per Unit	Annual Amount: Extended
8	This Siae microwave warranty				$ 0.00	$ -
8	This Siae microwave warranty				$ 0.00	$ -
7	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement				$ 375.00	$ 2,625.00
1	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli				$ 113.00	$ 113.00
2	Scoutcare				$ 2,947.37	$ 5,894.74
	Repeater Equipment warranty details					
19	Chassis, TB9400, Single, 100W				$ 14.20	$ 269.80
19	Reciter, TB9400, 440-480MHz				$ 28.68	$ 544.88
19	Linear Pwr Amp, TB9400, 440-480MHz, 100W				$ 22.66	$ 430.46
19	PMU, TB9000, 48VACDC Aux12V				$ 27.79	$ 527.99
19	SFE - Digital Fixed Station Interface				$ 5.81	$ 110.41
19	SFE - P25 Common Air Interface (CAI)				$ 79.63	$ 1,513.03
19	SFE - Central Voter (TBAS050 Prerequisite)				$ 53.62	$ 1,018.82
19	SFE - Simulcast Enable (TBAS061 Prerequisite)				$ 52.56	$ 998.56
19	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)				$ 15.17	$ 288.17
289	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 23,120.00
12	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 960.00
40	Unication extended warranty covering an additional 3 years (Years 3, 4 and 5) - Paid in Year 3				$ -	$ -
1	Infrastructure Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
1	Console Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
12	Subscriber units - Maintenance Agreement - Service Contract				$ 900.00	$ 10,800.00
					Sub	$ 67,214.85
			0%		Tax	$ -
					Total Annually	**$ 67,214.85**

Special Instructions, Terms and Conditions

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3	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by problems with equipment not covered in this service contract but interconnected to the equipment that is covered by this service contract the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
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5	Marcus Communications will provide full 24x7x365 emergency coverage on all infrastructure equipment with 2 hour response on line items indicated with 24x7. All other equipment will be normal business hours Monday through Friday 8:30 AM – 5PM.
6	Unless otherwise stated, items not covered include batteries, UPS systems, antennas, antenna systems, combiner systems, interference resolution, FCC Licensing, re-programming services, consulting/engineering services, software enhancements/upgrades and replacement of un-repairable equipment. belt clips, speaker microphones, liquid damage, bent or missing knobs, misuse or neglect. also not covered is any custom built equipment unless specifically identified in the item list.
7	When available, Marcus can provide customer with an advanced replacement unit or subscriber radio in exchange for customer's malfunctioning subscriber radio. Non-standard configurations, customer-modified subscriber radio and third-party Infrastructure are excluded from advanced replacement service. Malfunctioning subscriber unit will be evaluated and repaired by Marcus and returned to Marcus inventory upon completion of repair. Availability of advanced exchange subscriber units are not guaranteed.

8	Infrastructure Preventative Maintenance will provide an operational test and alignment on the customer's infrastructure equipment every 12-18 months to ensure the infrastructure meets original manufacturer's specifications. Infrastructure Preventative Maintenance will be performed during normal business hours. If the system or customer requirements dictate this service must occur outside normal business hours Marcus will provide an additional quotation. Customer is responsible for any charges associated with unusual access requirements or expenses. Marcus will perform this maintenance one per calendar year.
9	System discount assumes all line items shown are purchased. N/A
10	Any items that cannot be repaired can be replaced by a new item at a discount from the State Contract Pricing
11	Infrastructure items **not covered**, telephone line problems, damage from power failures, lightning strike, or other acts of nature, rodent and insect infestations, console head sets, damage from UPS or Generator testing.

Marcus Communications, LLC
Authorized Signature

Title:

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Town of Granby
Authorized Customer Signature

Title:

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Vendor:
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Phone: 860 646-1839

Customer:
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Granby, CT 06035

Service Agreement

Start Date	Expiration Date	Automatic Renewal	Payment Cycle	Customer Number
TBD	TBD	Yes		

QTY	Description - Year 4	Service At: Customer	Service At: Svc Center	24x7 or NBD	Annual Amount: Per Unit	Annual Amount: Extended
8	Siae microwave warranty				$ 658.00	$ 5,264.00
8	Siae microwave warranty				$ 427.00	$ 3,416.00
7	SNTC-8X5XNBD Catalyst 9300 24-port data only network, extended service agreement per switch				$ 375.00	$ 2,625.00
1	SNTC-8X5XNBD Cisco Firepower 1010E NGFW Non-POE Appli				$ 113.00	$ 113.00
2	Scoutcare				$ 2,947.37	$ 5,894.74
	Tait Repeater Equipment warranty details					
19	Chassis, TB9400, Single, 100W				$ 14.20	$ 269.80
19	Reciter, TB9400, 440-480MHz				$ 28.68	$ 544.88
19	Linear Pwr Amp, TB9400, 440-480MHz, 100W				$ 22.66	$ 430.46
19	PMU, TB9000, 48VACDC Aux12V				$ 27.79	$ 527.99
19	SFE - Digital Fixed Station Interface				$ 5.81	$ 110.41
19	SFE - P25 Common Air Interface (CAI)				$ 79.63	$ 1,513.03
19	SFE - Central Voter (TBAS050 Prerequisite)				$ 53.62	$ 1,018.82
19	SFE - Simulcast Enable (TBAS061 Prerequisite)				$ 52.56	$ 998.56
19	SFE - P25 Linear Simulcast Modulation Phase 1 (TBAS062 Prerequisite)				$ 15.17	$ 288.17
289	1-YR EXTENDED WARRANTY, VIKING				$ 80.00	$ 23,120.00
12	1-YR EXTENDED WARRANTY, VIKING - Control Stations				$ 80.00	$ 960.00
40	Unication extended warranty covering an additional 3 years (Years 3, 4 and 5) - Paid in Year 3				$ -	$ -
1	Infrastructure Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
1	Console Maintenance Agreement - Service Contract				$ 9,000.00	$ 9,000.00
12	Subscriber units - Maintenance Agreement - Service Contract				$ 800.00	$ 9,600.00
					$	$ 74,694.85
			0%		Tax	$ -
					Total Annually	**$ 74,694.85**

Special Instructions, Terms and Conditions

1	When this agreement is executed the equipment listed will be serviced by Marcus Communications in accordance with the terms and conditions of this contract. This contract excludes the following: replacement of any antennas, service or repair of any transmission line, batteries, tower-supporting mast or tower lighting systems, microphones, backup UPS's, computer monitors, software, pc cables and connectors and replacements equipment, keyboards, mice, PC's. Also, not covered is abuse, physical damage, liquid damage, acts of nature, natural and manmade disasters.
2	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by phone line issues the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
3	When a service call arises and it is determined by Marcus Communications staff that the issue is caused by problems with equipment not covered in this service contract but interconnected to the equipment that is covered by this service contract the initial call out will be covered by this service contract and any subsequent call out for the same problem phone line issue will be billed above the service contract at the labor rates stated in the service contract.
4	Marcus Communications will make best efforts to repair all equipment listed based upon manufactures support and availability of parts. Marcus Communications reserves the right to discontinue service under this agreement at any time if parts and support are no longer available. Equipment not supported by the manufacture can be covered under a "best effort" time and material basis.
5	Marcus Communications will provide full 24x7x365 emergency coverage on all infrastructure equipment with 2 hour response on line items indicated with 24x7. All other equipment will be normal business hours Monday through Friday 8:30 AM – 5PM.
6	Unless otherwise stated, items not covered include batteries, UPS systems, antennas, antenna systems, combiner systems, interference resolution, FCC Licensing, re-programming services, consulting/engineering services, software enhancements/upgrades and replacement of un-repairable equipment. belt clips, speaker microphones, liquid damage, bent or missing knobs, misuse or neglect. also not covered is any custom built equipment unless specifically identified in the item list.
7	When available, Marcus can provide customer with an advanced replacement unit or subscriber radio in exchange for customer's malfunctioning subscriber radio. Non-standard configurations, customer-modified subscriber radio and third-party Infrastructure are excluded from advanced replacement service. Malfunctioning subscriber unit will be evaluated and repaired by Marcus and returned to Marcus inventory upon completion of repair. Availability of advanced exchange subscriber units are not guaranteed.

8	Infrastructure Preventative Maintenance will provide an operational test and alignment on the customer's infrastructure equipment every 12-18 months to ensure the infrastructure meets original manufacturer's specifications. Infrastructure Preventative Maintenance will be performed during normal business hours. If the system or customer requirements dictate this service must occur outside normal business hours Marcus will provide an additional quotation. Customer is responsible for any charges associated with unusual access requirements or expenses. Marcus will perform this maintenance one per calendar year.
9	System discount assumes all line items shown are purchased. N/A
10	Any items that cannot be repaired can be replaced by a new item at a discount from the State Contract Pricing
11	Infrastructure items **not covered**, telephone line problems, damage from power failures, lightning strike, or other acts of nature, rodent and insect infestations, console head sets, damage from UPS or Generator testing.

Marcus Communications, LLC
Authorized Signature

Title:

Date

Town of Granby
Authorized Customer Signature

Title:

Date

TOWN OF GRANBY

MEMORANDUM DATE: January 2, 2025

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Granby Town Manager

REGARDING: **Town Manager's Report as of December 31, 2024**

Please accept the following summary of departmental activities underway throughout the town through the month of December 2024 as detailed to me by the various department heads.

Town Manager's Office

- Finalized work on the ARPA projects in order to obligate the funds by 12/31/24
- Participated in standing meetings with the 1st Selectman, BOE, director's, staff, etc....
- Attended the Tree Lighting event and the Holiday Market at Holcomb Farms on 12/7
- Prepared materials for the 1st CPPAC meeting included possible Solar locations
- Held an offsite Team Building exercise – well attended
- Met with the owner of the Geissler's Plaza for a COC Meet and Greet
- Attended the first "Church" meeting to begin a business analysis of possibilities there
- Extended the IT MOU with the BOE and secured a fee sharing arrangement
- Attended the DESPP annual meeting with CJ Steiger and other Emergency Managers
- Sat on the selection panel for the Parks & Recreation Facilities/Master Plan Consultant
- Met with two Town residents on traffic and speed issues around town
- Attended the holiday lunch for all Town employees
- Attended the Fiduciant 3rd Quarter investment return meeting

Finance, Tax Office, Assessors Office

- Record and verify all Real Estate Transactions.
- Value all 12,000 MV; determine which class codes/vehicles are now exempt.
- Measure, List and value all Building Permits including the new apartments/construction.
- Review and value all Personal Property in the Town, farm equipment, computers, machinery and equipment, cables and conduits, furniture and fixtures, cell towers, etc.
- Veteran's Exemption - 100% permanently and totally disabled and service connected.
- Reviewing properties held in Trust; they may be eligible for certain exemptions.
- Review, administer and apply all exemptions for eligibility including, blind, disability, veterans, churches, state property, town property, commercial trucks, etc.
- Receive and Apply PA490 Special Assessments for Farm, Forest & Open Space. Report and file these with The Town Clerk.
- Review, adjust and value all the Motor Vehicles for the Supplemental List, which are vehicles registered between October 2, 2023-July 30, 2024.
- Adjust any motor vehicles on the Supplemental Motor Vehicle Grand List that may have been sold, totaled, registered out of state, etc.

Community Development

- The Building Official and Fire Marshal have been busy inspecting Building 7 at Station 280. It is anticipated a Certificate of Occupancy will be issued soon.
- The Emergency Management Director (EMD) submitted the Emergency Management Performance Grant. This grant partially funds the EMD position/purchase of supplies.
- The Town Engineer and Director of Community Development have been reviewing and revising stormwater guidelines in response to changes to the stormwater manual adopted by DEEP. It is expected the Planning and Zoning Commission will be considering stormwater regulation changes in the coming months.
- A kick-off meeting was held with Tighe & Bond to discuss sewer standards and policies. Tighe & Bond will be working on proposed revisions over the coming months, which will then be presented to the WPCA for further discussion and consideration.

Information Technology

- ARPA Technology Replacement Project – All ARPA technology equipment has been ordered and all invoices have been processed. Senior Center A/V Project - Public Works is in the process of removing oil tanks and shelves in the closets off of the main room so that room can be made for installation of A/V equipment. Also waiting on delivery of 2 large displays for the main room, video production server, and 2 PTZ cameras. Tristan continues to rollout individual laptop replacements.
- Attended vendor meetings regarding the technology involved with Finance Department quote for the digital document conversion project. Began work to build in-house server to host digital document software and document storage system utilizing existing equipment. Ordered SQL server software for Finance Department.
- Completed installation associated with the Town Clerk's vault camera.
- Completed installation of security camera display at Salmon Brook Park.
- Repurposed BOE server, added domain controller/file server for redundancy.
- Repurposed BOE network switch and deployed to Public Works to accommodate additional data ports needed for new office for Chris and Rich
- Ongoing work– backup, maintenance, monitoring and updates to the municipal area fiber network, communications, technology infrastructure, networking equipment, servers, computers, and software systems.
- Persistent email phishing attempts again during the month of December. The overall level of sophistication of these types of attacks has increased. We had an incident this month where a staff member's email account was compromised and in turn sending out spam emails. The issue was quickly remedied.

Police Department

Human Resources, Training and Community Outreach, Projects

- Police Department upgraded their scheduling software to latest version (Maverick)
- Officers attended the American Legion breakfast & Food Drive at Geissler's
- Small World Daycare visited the PD for the holidays and sang songs to officers
- Officer Mui and Officer Kupchik attended Valor Training-Officer Safety and Wellness
- Chief Sansom and Capt. LaFlamme attended Local Traffic Authority (LTA) cert training
- Capt. LaFlamme assisted in the schools "SAFE Assessment" with Homeland Security
- New desk in Detectives office arrived
- Ongoing renovations at the Animal Shelter (painting, new lights, cleaning, rodent control, plumbing and cameras

Crime

- Ofc. Deloy stopped a vehicle due to a driving complaint which the vehicle fled from the stop. Vehicle was later found in Southwick and the driver was charged accordingly.

- Arrest of a male for Violation of Probation where he was uncooperative and unruly throughout the process and until he was arraigned
- Took a suspect into custody for Ohio extraditable serious felony warrant
- Suicidal suspect rammed a cruiser, injuring an officer (minor) and disabling the cruiser
- Evading car verse bicycle accident-minor injuries reported
- A customer at a vape shop assaulted the employee after the employee stated they do not sell marijuana and asked him to leave

Public Works

- Preparation for the tree lighting and Holcomb Farm Market Place events.
- Removal of old tables and chairs for the North Barn Pavilion and the unpackaging and distributing of new ones.
- Ditching, debris removal from drainage areas, tree trimming various locations.
- To date, we have had three minor snow events.
- Create RFP for land clearing and building a roadway to Mountain Road tower.
- Three bridges were submitted to the state for replacement; 100% grant program.
- Doherty Rd Bridge replacement on hold, commitment from the Town needed.
- All 2026 capital items are being assessed in preparation of the budget.
- Drainage study, FOG Program, Sewer Study and tower roadway project ongoing.

Library

- Welcomed the new Makerspace Tech, Christopher Kerr, to the Cossitt Branch Library.
- Saw a record-breaking number of visitors to the Main library in November 2024 - 9,195!
- Held a Gingerbread House Program with 125 participants including patrons of all ages!
- Selected a Capital Campaign Consultant to complete a feasibility study for a potential future Capital Campaign initiative towards a library building expansion and renovation.
- Prepared for library carpet and paint removal/installation project coming in January

Human Service: Youth Services, Parks and Recreation, Senior Services, Social Services

- Holiday Marketplace had 40 vendors. There was steady foot traffic for the duration of the event. Vendor feedback was very positive: "Best event for my entire year!".
- Breakfast with Santa sold out two seatings. Third seating was added and sold out.
- Fall After School programs wrapped up a successful season. New January opportunities
- 30 events are booked for 2025, 16 of which are weddings.
- October 2026 is fully booked for weddings on Fridays and Saturdays.
- Park Study consultant hired with anticipated start in January.
- Programs: Secrets Your Parents Never Told You – History of Christmas Carols, Trip to Fascia's Chocolates, Holiday Dinner sold out. meal catered by Tuckers, entertainment by the Elderly Brothers, Coping with the Holidays. This program recognizes that, for some, it is not the happiest time of year.
- Helping Granby residents with the holidays and with keeping warm with the Holiday Sponsorship Program assisted 17 families by fulfilling 38 children's wishes with gifts. (All through donations and community sponsorship); 107 families and seniors were provided with Holiday Food vouchers to purchase their Holiday meal. (No taxpayer dollars); Handled a dozen fuel assistance appointments, and followed up on many phone calls on the status of energy assistance applications.
- YAC (Youth Action Council) is working with the schools, police and EMS to host a mock accident prior to Prom season

Town Clerk

- The Town Clerk's Office has been busy preparing for 2025, and I wanted to update members of the Board of Selectmen regarding just a few new laws that become effective
- Video Recording of Ballot Boxes

Public Act 24-148 amends Connecticut General Statute §9-140b to require municipalities by July 1, 2025, to install a video recording device to record each absentee ballot drop box within the municipality. Video recording must begin on the day absentee ballots are issued and continue until the Clerk empties the drop box at the close of the polls at an election or primary. Recordings must capture the location of each drop box and include evidence of the video's date and time. Municipalities must make these recordings public as soon as practicable but no later than five days after the last absentee ballot retrieval. Municipalities must retain these records for at least 12 months unless ordered to retain the recording by the State Elections Enforcement Commission (SEEC) or a court. Working with the IT department I am happy to report that we have met this requirement.

- Changes to Absentee Ballot Applications

  Public Act 24-148 amends Connecticut General Statute § 9-140c to require Town Clerks to record on the outer envelope how an absentee ballot was returned (became effective July 1, 2024). Specifically, Town Clerks must record whether an absentee ballot was returned by one of the following methods: In the mail, in a drop box, in person by the elector, or in person by an immediate family member or designee of the elector for any absentee ballot returned in a drop box, the Town Clerk must record the drop box location. The Town Clerk shall also now as soon as practicable after the polls close at an election or primary, file a report with the Secretary of the State detailing the total count of all absentee ballots and a breakdown of how they were returned. The act also amends Connecticut General Statute § 9-140 to prohibit Town Clerks from giving a person five or more absentee ballot applications for public distribution earlier than 90 days before the date when absentee ballots are issued. By law, the Town Clerk must maintain a log of individuals who have requested applications, their names, and addresses, and how many applications they have requested. In order to meet this requirement, the Town clerk's office has purchased special stamps that can be affixed to the outside of an absentee ballot envelope.

- Changes to the Connecticut Online Voter Registration System (CVRS)

  Public Act 24-148 mandates by law, the jury administrator must annually compile a list of all qualified jurors in the state along with their corresponding information, such as address and birthdate. The act amends CGS §9-19k and requires the jury administrator to make the list available to the Secretary of State, within 30 days after creating it for the purpose of verifying information contained in the Connecticut Online Voter Registration System. The Secretary of the State will cross-reference the information to attempt to further verify voters. The act amends CGS § 9-21a to require, rather than allow the Secretary of State to check the CT Voter Registration System (CVRS) for duplicate voter registrations across the state and within each town. Under the act, the Secretary must check CVRS and share the list at least annually.

- Trade Name Certificates

  Several new changes are coming in 2025 and 2026 that will affect trade name certificates which will continue to be filed with local Town Clerks. Town Clerks are now required to use the universal Trade Name applications created by the Secretary of State's Office. The act clarifies who can file a trade name and breaks the filers into 3 groups: One Natural Person (e.g. a sole proprietorship); Two or more natural persons (e.g. an unincorporated association); A business organization (e.g. a corporation, non-profit, LLC, LLP, LP, or Statutory Trust). The new law also fills gaps in the old law, particularly whether a trade name expires, can be canceled, and whether it can be amended after it has been filed. The old law was silent on these topics, leading to confusion over whether a trade name filed decades earlier remained active. The new law fills these gaps by establishing a trade name that can be amended and canceled prior to expiration.

The goal of the new law is to begin the process of establishing a statewide Connecticut Trade Name Registry, searchable by the general public on business.ct.gov. The new law also helps ensure that trade name data is more accurate by requiring renewal every 5 years clarifying the process for Town Clerks and ensuring uniform applications in all 169 towns.

If you have any questions on the aforementioned summary, I will be on hand to answer any questions. Thank you.

CC: Betsy Mazzotta, APMO
Kathy Kane, Admin/Purchasing/Risk Coordinator
All Directors