GCG ASSOCIATES, INC.

QUALIFICATIONS FOR ENGINEERING SERVICES

FOR

LOWER ASHFIELD STREET IMPROVEMENTS BUCKLAND, MASSACHUSETTS



SUBMITTED BY: GCGASSOCIATES, INC 184 MAIN STREET WILMINGTON, MA 01887



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February 12, 2021

Ms. Heather Butler, Town Administrator Town of Buckland 17 State Street Shelburne Falls, MA 01370

RE: **Construction Administration and Resident Inspection** Lower Ashfield Street Improvement Project

Dear Ms. Butler:

We are pleased to respond to your request for proposals to provide construction administration and construction observation services for the Lower Ashfield Street Improvement Project.

GCG has worked on many similar projects that require expertise in the design, and construction of roadway and utility improvement projects, which are funded by CDBG. We are in unique position with this project since we prepared the design plans for this project to obtain the grant and we have a full knowledge of the project requirements and goals. We are also aware that this project has a second source of funding through a Complete Street Tier 3 funding which has been incorporated into the project design and will require knowledge of how to appropriately keep the funding separate from each other during the administration of the project. We believe that this project is ideal for GCG Associates. GCG project team consists of in-house professional engineers and professional land surveyors. Our firm is large enough to handle a project of this size but small enough to guarantee special attention from the owner and key personnel to ensure a satisfied client at the end of the project. GCG Associates pays particular attention to a client's specific needs and takes pride in our work.

GCG Associates meets and exceeds the minimum criteria of the proposal as listed below.

- Mr. Carter the primary person assigned to this project has been registered Professional Engineer in Massachusetts for over 29 years.
- GCG Associates will provide a certificate of insurance for Professional Liability with coverage more than • \$1,000,000.
- GCG has completed over 50 horizontal construction projects for various municipalities over the last seven vears.
- Michael Carter the primary project manager has over 37 years of experience and over 40 projects funded by CDBG.

We believe that our experience, project personnel and qualifications will provide the Town of Buckland with the engineering services necessary for a smooth project implementation and completion. GCG Associates looks forward to being selected and working with the Town of Buckland on this project. We appreciate the opportunity to submit this proposal.

Respectfully Submitted, GCG ASSOCIATES, INC.

Michael J. Carter Michael J. Carter, P.E.

President

COVER PAGE

SECTION 1

COVER PAGE

Project: Town of Buckland – Lower Ashfield Street Improvement Project

Consultant:	GCG Associates, Inc. 84 Main Street Wilmington, MA 01887 Phone: 978-657-9714 Fax: 978-657-7915 Email: <u>gcg@gcgassociates.net</u>
Key Contact:	Michael J. Carter, P.E., President Cell: 978-204-0421 Email: <u>mike.carter@gcgassociates.net</u>

Project Team: Project Manager – Michael J. Carter, PE, PLS Construction Observation- Lucas Brinkman

PLAN OF SERVICES 🕏

SECTION 2

PLAN OF SERVICES - LOWER ASHFELD STREET

The following is our approach and key factors to be considered in providing the Town of Buckland to with engineering services for the construction of the Lower Ashfield Street Improvement Project. The goal of this project is to improve the current existing conditions on Ashfield Street which would include improving water system by jacking under the railroad tracks, replace sewer, replace sidewalks and make the entire road handicap accessible.

As the designers of this project, GCG has a full understanding of the goals and objectives of the Town and has incorporated them into our design. Key factors of the design which we are very familiar with and will need particular attention during the construction are as follows.

- The water main will to be installed under the railroad tracks and down to Clement Street is a key component of the Shelburne Falls Water System. This water main will provide better hydraulic flow for the overall system town wide.
- The placement of the water main under the railroad tracks required a permit from Pan Am Railways. This portion of the project is critical as it will require two pits and potentially bypassing traffic around the site for a period (estimated 2 weeks) with only one lane on Ashfield Street. This will be determined once the selected contractor provides his means and methods of performing this work.
- The sidewalk from Clement to Spring Street will be widened form for feet to five feet. Easements were required to allow for this construction and will have an impact on the existing residence. As the designer, GCG has met with these residents and is aware of there concerns which would be addressed during construction. For example, one resident's perennial flowers, buried steps or a new timber retaining wall are some of the items which will need to be addressed during construction to assure the Towns residents who abut the project are satisfied with the work which will take place.
- The project is funded by two sources. The funding sources are a CDBG and a Complete Streets Tier 3 Program Grant. This will require keeping the cost separate for both portions of work, so the appropriate amount of costs is applied to the correct funding source.
- The proximity of the project to the business area of the Town is a key component which must be addressed daily to make sure minimal impact occurs to the business adjacent or nearby the project.
- Providing access to all residents/businesses during construction.

The following is intended to outline the work involved to provide engineering services for construction of the project.

A. PROJECT MANAGEMENT

For all projects at GCG Associates, two professionals are involved with and responsible for the coordination of construction. With this management approach there is constructive critique of design details, alternative routes, cost estimates, and the overall project. There is also always one of the project leaders available who is knowledgeable of all aspects of the project. Mr. Carter and Mr. Brinkman would be the two primary contacts for this project. GCG is very familiar with funding of this project as we prepared the grant application for the Town. As mentioned above the two funding sources will require pay requisitions be separated based upon the funding source. GCG would have the projects kept separate from a paperwork process so the town can easily identify where the funds should be taken from to pay for the work. Mr. Carter would serve as the project manager and monitor the progress of the construction and ensure that compliance with the design and grant requirements are met.

PLAN OF SERVICES - LOWER ASHFELD STREET

B. PLANNING AND COORDINATION

Throughout the project we will meet with and report on our progress to Town officials. On previous projects we would have meetings on site and invite the abutters to make sure any issues that they may have would be addressed. During a preconstruction meeting, a detailed schedule would be created at this point outlining important thresholds to meet the Town's schedule.

C. CONSTRUCTION ADMINISTRATION

GCG Associates will provide on-going coordination and oversight of the construction process, administer the construction contract, and maintain communications with the Town, through the regular progress meetings with the Planning Department and the Department of Public Works of each Town.

We will conduct periodic site visits to observe and evaluate the progress and quality of the contractor's work to ensure compliance with project plans and construction schedules and any other federal, state, or local laws, regulations or requirements.

We will keep the Towns informed of the construction progress both in terms of budget and schedule.

We will address all resident concerns, traffic issues, and other questions to insure that the project progresses smoothly.

D. CONSTRUCTION OBSERVATION

GCG Associates will provide an experienced and highly qualified resident engineer to provide full-time or part time resident engineering services depending on the need. Activities of the resident inspector would include, but not be limited to:

- Full-time or part time, on-site monitoring of project to ensure compliance with the contract documents.
- Monitor testing, as required, and review construction submittals for compliance.
- Maintain orderly files at the job site and keep a daily log of activities, work schedules, and quantities of work completed. Obtain all necessary documents and interviews with contractor's employees to determine compliance with contract documents.
- Review monthly payment requests by the Contractor.
- Serve as the representative of GCG Associates in day-to-day contact with the public and with the contractor.
- Complete a final inspection of the project and prepare a written report.
- Resident inspector will prepare daily site reports.
- Hold periodic job site meetings with representatives of the Town, Grant Administrator, Buckland Board of Public Works staff, and neighborhood representatives; prepare and distribute minutes.
- Coordinate and conduct preconstruction meeting
- Engineer will observe construction at least weekly
- Conduct employee interviews of 1 person per trade throughout the project construction
- Respond to requests for information (RFI) from the contractor
- Review and certify payment requests prior to submission to the Town
- Collect and review shop drawings
- Review and recommend any change proposals and/or change orders submitted by the contractor
- Advise the Grant Administrator and the Town on requests for change orders
- Maintain project budget.

PLAN OF SERVICES - LOWER ASHFELD STREET

- Work with the Town's Grant Administrator on a regular basis to outline project progress, budget status, and identify any problems with sufficient time to make calculated decisions.
- Coordinate site inspections by Town departments and Water District
- Take before, during, and after photos. The electronic and paper copy to be provided to the Town.

E. PROJECT CLOSE OUT

Consultant will assist the Town in closing out the project by reconciling project expenses against the budget, identifying all project accomplishments to date, and authorizing final payments. The following is a partial list of task to be completed by GCG

- Issue the Certificate of Substantial Completion
- Prepare full as-is plans
- Participate in developing punch list for project and assist in their review
- Reconcile construction costs with project budgets
- Make recommendation on request for final payment
- Issue certificate of final completion, warranties, lien releases
- Authorize final payments, including release of retainage
- Provide project closeout documentation, including final information for the Town's quarterly report to DHCD, labor utilization rates of minority and women owned businesses.



SECTION 3

PROJECTTEAM



The project team for the Lower Ashfield Street Reconstruction Project in Buckland would consist of the following people supplemented by additional staff as required.

NAME	PROJECT ROLE
Michael Carter, P.E.	President, Project Manager
James Coe	Construction Manager
Lucas Brinkman	Construction Observation

1. *Project/Construction Administration*: Mr. Michael Carter, the owner of the company, will act as the overall coordinator of the project. Mr. Carter will be the primary contact with the Town. Mr. Carter has performed the design and construction administration for numerous projects funded by CDBG. The secondary contacts will be Mr. Lucas Brinkman who will have the support of Mr. Carter or Mr. James Coe GCG's overall construction manager. GCG Associates always has two contract individuals to ensure quick responses to our clients should one contact person not be available. One of these individuals would attend all meetings with officials during construction.

2. Construction Observation: Mr. Brinkman would serve as the resident observing construction on a full time or part time basis depending on what phase construction is in at a particular time. Mr. Brinkman has over 9 years of experience in design and construction of projects. Mr. Brinkman was the primary designer of the project and has the important knowledge of the details of the design and why certain things were designed so field decisions can easily be made during construction.

This project team is currently working together on a variety of different type of civil engineering projects. The current workload for this project team has an opening to allow for the project to proceed on schedule and be constructed this year as planned. **This project would fit into our current workload**.

The project team as listed above has worked on over 50 roadway/utility projects in the past five years. The projects range in size from \$100,000 to \$2,000,000. Many of these projects are funded through CDBG. In Section 3 of the proposal, you will find a more detailed description of some of these projects which project team has worked on. The following is a sample list of the projects like the Lower Ashfield Street Improvement project.

CDBG Projects (sample list)

Hedge Street – Phase 1 and 2 – Fairhaven Deerfield Avenue Reconstruction - Phase 1 and 2 - Shelburne Bridge Street Improvements - Shelburne Walnut Street Reconstruction - Clinton Nelson Street Reconstruction – Clinton Green Street - Buckland, MA North Street Phase II & III – Buckland, MA Francis Reconstruction – Fairhaven, MA Nelson Way Reconstruction - Clinton, MA Park and Sproat Street Reconstruction – Middleborough, MA Park Ave and Main Street Reconstruction Project - Fairhaven, MA Grove Street Water Main and Roadway Reconstruction Project - Clinton, MA Bay Avenue East Reconstruction Project - Hull, MA Chestnut Street Neighborhood Reconstruction Project - Milford, MA Spring Street Reconstruction Project – Fairhaven, MA Middle Street Reconstruction Project Phase II - Fairhaven, MA Green Street Reconstruction Project – Fairhaven, MA Main Street Reconstruction Project – Fairhaven, MA Middle Street Reconstruction and Infrastructure Project - Fairhaven, MA Bridge Street Reconstruction and Infrastructure Project - Fairhaven, MA

Municipal Projects

Ross Road	Millis
Ridge Street Culvert Replacement	Millis
Walnut Street	Lexington
Minuteman Bikeway Drainage Project	Lexington
Crestview/ Klifford	Millis
Farm Street Culvert	Millis
Island Road/Causeway Street Culverts	Millis
Pleasant Street Sidewalk (2 Phases)	Millis
Fort Street	Fairhaven
Forest Road (Water Main Ext.)	Millis
Route 109 Culvert Replacement	Millis
Winthrop St. Sidewalk/ Hancock St.	Lexington
Birch Street (Water Main)	Clinton
Green Street Roadway Reconstruction	Fairhaven
Shore Road Drainage Project	Fairhaven
Irving Street Water Main	Millis
Rosenfeld Road Drainage	Millis
Various Streets Roadway Imp.	Franklin
Northgate Neighborhood	Franklin

QUALIFICATIONS INILAR PROJECTS

SECTION 4

QUALIFICATIONS

GCG Associates, Inc. is a multi-disciplined civil engineering firm with our main office in Wilmington, Massachusetts. In 1986, GCG Associates, Inc. was established as an independent engineering firm to provide planning, design, and construction services for civil, roadway, drainage, structural, sanitary, and environmental engineering projects for public clients.

The project team for GCG Associates, Inc. brings over seventy five years of diversified experience in civil engineering. The project team has successfully completed projects including impact studies, feasibility studies, detailed design plans, and construction management for the whole spectrum of civil works. The project team has performed design, construction administration and observation for many projects funded by state and federal funds for various municipalities in Massachusetts. GCG Associates offers the in-house capability to provide the required personnel and support resources necessary to assist clients in all types of projects to meet their individual needs.

GCG Associates is supported by a staff of eighteen specialized talented engineers, designers, technicians, computer programmers, construction inspectors, resident engineers, and surveyors to provide high quality products in the area of design and construction management. We have structural and geotechnical experience in the design of underground structures, tanks, retaining walls, bridges, and buildings.

Our reports are factual and to the point. We will answer the questions you want answered and, in the process, develop approaches that enable you to implement cost-effective programs. We always strive to be totally responsive to the specific needs of the client. We have the latest in computer aided design systems to produce designs accurately and efficiently. With the CIVIL 3D we can integrate surveys, aerial mapping, architectural design, and utilities into one system to produce a coordinated set of design drawings.

Our civil engineers are experienced in the study and design of water, sewer, and drainage systems, and transportation projects. We are staffed with surveyors, construction inspectors, and resident engineers who insure that the final product meets the client's needs. We have coupled our individual talents to maximize the usefulness of our product while minimizing the overall cost of our services.

Cost/Estimating: GCG Associates, Bids projects on a regular basis and has an in-house database for projects bid for public works types of projects. This database allows us to provide accurate and up to date cost estimates.

GCG Associates, Inc. carries all the necessary business, liability, automobile, workers compensation, and professional liability insurance to protect our clients' interests.

GCG Associates has a wealth of background and experience in the design and construction of transportation and infrastructure improvement projects. This project is well suited to our experience and abilities and we are ready and able to meet all the needs of Buckland.

GCG personnel have also provided services for other similar infrastructure projects over the past 35 years for various municipalities.

GCG typical infrastructure/roadway project size ranges from \$100,000 to \$3,000,000. This project is an ideal project for GCG Associates.

In each project we provided our clients with precise, efficient, and economical engineering services that resulted in economical project construction. Detailed descriptions of several infrastructure projects, which GCG Associates has provided engineering and construction services are described on the following pages.

GCG Associates has provided engineering services to the Town of Buckland from 2015 to 2017 on the North Street (Phase 1 and 2) and Green Street (design only) projects which were funded by both Community Development Block Grants and Chapter 90 funds. The overall goal of the combined projects was to improve the roadway, sidewalk and infrastructure of the neighborhood.

The following sample of projects which GCG has provided engineering services for are projects which have been funded by the CDBG program. These CDBG projects range in size from \$200,000 to \$1,000,000 and also had some Chapter 90 money contributed to the projects as a second funding source.

GCG Provided design, bidding, construction administration and observation services for each of these projects. On the previous page under project team a longer list of CDBG type projects is provided.

			Neighbor-	CDBG							ADA	Construction
Project Name	Year	Town	hood Project	Funding	Street	Sidewalk	Water	Sewer	Draiange	Curb	Ramps	Cost
Hedge Street Roadway Project	2019-20	Fairhaven	~	~	~	~	~	~	~	~	~	\$446,546
Deerfield Avenue Roadway Improvements	2019-20	Shelburne	~	~	~	~	~		~	~	~	\$353,035
Deerfield Avenue Roadway Improvements	2018-19	Shelburne	~	~	~	~			~	~	~	\$330,031
Walnut Street Roadway Improvement Project	2018-19	Clinton	~	~	~	~	~		~	~	~	\$963,400
Hedge Street Roadway Project	2018-19	Fairhaven	~	~	~	~	~	\checkmark	~	~	~	\$631,923
Central Street Parking Lot Improvement	2017-18	Southbridge		~	~	~			~	~	~	\$793,000
Bay Ave East Roadway Reconstruction	2017-18	Hull	\checkmark	~	~	~		\checkmark	~	~	~	\$469,563
Overland Street Reconstruction -Phase III	2016-17	Southbridge	~	~	~	~				~	~	\$536,666
Oxford Terrace Improvements	2016-17	Fairhaven	~	~	~	~			~	~	~	\$481,644
North Street Roadway Improvements	2016-17	Buckland	~	~	~	~	\checkmark	~	~	~	~	\$564,536
Nelson Street Roadway Improvements	2016-17	Clinton	~	~	~	~			\checkmark	~	~	\$264,104
Overland/Chestnut St. Improvements - Phase II	2015-16	Southbridge	~	~	~	~	~	~	~	~	~	\$254,421
Chestnut St. Improvements - Phase I	2015-16	Southbridge	~	~	~	~	~	~	~	~	~	\$460,468
Francis Street Reconstruction Project	2014-15	Fairhaven	~	~	~	~	~	~	~	~	~	\$794,866
Elliot, Park and Sproat Street Improvements	2014-15	Fairhaven	~	~	~	~	~		~	~	~	\$371,964

PROJECTS FROM 2013 TO 2018 FUNDED BY CDBG

WALNUT STREET IMPROVEMENTS PROJECT – CLINTON, MA (PROJECT #1)

GCG Associates provided design, bidding and construction services for the reconstruction of 1,350 feet of Walnut Street in Clinton, MA. The project was funded through the Massachusetts Community Development Block Grant Program and Town Funds.

The project consisted of full depth reconstruction of the existing roadway and sidewalk, modification of the vertical alignment of the existing roadway to improve drainage on the roadway, drainage structure and piping improvements, water main replacement, additional on-street parking, installation of new granite curbing, and improvement of safety features of the roadway. Engineering services provided included a full detail topographic survey, roadway design, pavement design, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, project specifications, and a construction cost estimate.

GCG Associates provided construction administration services to the Town of Clinton for this project. These services included advertising and bidding the project, assisting the Town in the selection of a contractor, contract award assistance, resident engineer duties, full time construction observation services, monitoring the progress of construction, addressing issues with construction and residents, review and approval of shop drawing submittals, review and processing of payment requisitions. GCG Associates also provided all paperwork and documentation required to comply with CBDG requirements.



Before Construction



Construction 2019

DEERFIELD AVENUE ROADWAY AND PARKING LOT RECONSTRUCTION PROJECT-PHASE 1 AND 2 – SHELBURNE, MA (PROJECT 2)

GCG Associates provided design, grant report, bidding and construction administration and services for reconstruction of approximately of Deerfield Ave and a parking lot in Shelburne, MA which was funded by a CDBG over two funding periods.

Phase 1: The project consisted of reclamation and reconstruction of the existing roadway, modification to the vertical alignment of the existing roadway to improve storm water drainage, removal and resetting of granite curbing, installation of new granite curbing, new concrete sidewalks and ramps, removal and replacement of the drainage structures, drainage improvements, removal of existing timber wall and installation of new field stone wall, removal and replacement of the pump station fence, additional street lighting, improvement of safety features and beautification of the roadway. Design of utilities included removal and replacement of approximately 200 linear feet of storm water drainage. Engineering services provided included the preparation of a full detail topographic survey, soil analysis, roadway and pavement design, drainage system design, and preparation of the following: existing conditions plans, engineering construction drawings, grant report, infrastructure evaluation, construction cost estimate, project specifications and bid documents.



Deerfield Ave Wall Post Construction



Deerfield Ave Pre-Construction



Deerfield Ave Parking Lot Grading

Phase 2: This project was a continuation of the first phase which would complete the reconstruction of Deerfield Avenue from the end of phase one to Bridge Street. The design and construction included replacing the existing old and undersized water main, some sewer improvements, drainage improvements. The road was reconstructed with a new base and pavement. Walkways were replaced and ADA compliant ramps were installed. This phase was in a business district so during construction temporary provisions were necessary throughout construction to allow the business to operate. This project was constructed during COVID19 pandemic which added additional requirements to completing the construction.



Before construction



After construction

Bid documents prepared by GCG included an itemized bid and supporting technical specifications for the construction of the project and all required State documentation to publicly bid and award the project.

GCG provided construction administration and inspection services to the Town of Shelburne for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions. GCG processed all paperwork required by CDBG.

FRANCIS STREET ROADWAY IMPROVEMENT PROJECT – FAIRHAVEN, MA (PROJECT 3)

GCG Associates provided design, grant report, bidding and construction administration and services for reconstruction of approximately 1,200 feet of Francis Street in Fairhaven, MA which was funded by a CDBG. The project consisted of reclamation and reconstruction of the existing roadway, narrowing the existing roadway layout, modification to the vertical alignment of the existing roadway to improve storm water drainage, removal and resetting of granite curbing, ADA compliant concrete sidewalks and ramps, drainage structure, water and sewer replacement, drainage improvements, improvement of safety features and beautification of the roadway. Design of utilities included approximately 700 linear feet of new storm water drainage and replacement of some of the water main.

Engineering services provided included the preparation of a full detail topographic survey, soil analysis, roadway and pavement design, drainage system design, and preparation of the following: existing conditions plans, engineering construction drawings, grant report, infrastructure evaluation, construction cost estimate, project specifications and bid documents.

The design incorporated the use of AutoCAD/Civil3D design system to select the best and most costeffective design to meet both state and local roadway design standards. Construction drawings included roadway plans, profiles and construction details illustrating proposed grades and alignments, existing and proposed utility improvements, MassDOT and ADA compliant sidewalks and granite curbing.

Bid documents prepared by GCG Associates included an itemized bid and supporting technical specifications for the construction of the project and all required State documentation to publicly bid and award the project.

GCG Associates provided construction administration and inspection services to the Town of Fairhaven for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions. GCG processed all paperwork required by CDBG.



Francis Street Post Construction



Francis Street Pre-Construction

HEDGE STRET ROADWAY AND INFRASTRUCUTRE PROJECT- PHASE 1 AND 2 – FAIRHAVEN, MA (PROJECT 4)

GCG Associates provided design, grant report, bidding and construction administration and services for reconstruction of approximately Hedge Street from the Main Street intersection to the Acushnet River in Fairhaven, MA which was funded by a CDBG over two funding periods. The total length of the project was approximately 1200 feet and was completed in phases starting in 2017 and finishing the second phase in 2019. Two separate grant cycles from the CDBG funded the project.

Phase 1: The first phase of the project involved infrastructure and roadway improvements from the Acushnet River to Cherry Street which was approximately 550 feet in length. The sewer system was in poor condition and the sewer main and services were both replaced. At the end of the street a reinforce concrete wall was located at the edge of the river. This wall had deteriorated over the years and was replaced which involved working in the Acushnet River to construct the wall. The existing drainage system was completely replaced, and a stormwater treatment device was installed to treat runoff prior to discharging into the Acushnet River. The street, curbing and sidewalk were removed and replaced with new pavement, curbing and sidewalks. New trees were added to improve the aesthetics of the street. Engineering services provided included the preparation of a full detail topographic survey, soil analysis, roadway and pavement design, drainage system design, and preparation of the following: existing conditions plans, engineering construction drawings, grant report, infrastructure evaluation, construction cost estimate, project specifications and bid documents.



Before



After

Phase 2: This project was a continuation of the first phase which would complete the reconstruction of Hedge Street from Cherry to Main Street. The design and construction included replacing the existing old and undersized water main services, some sewer improvements, drainage improvements. The road was reconstructed with a new base and pavement. Walkways were replaced and ADA compliant ramps were installed. This phase was in a business district so during construction temporary provisions were necessary throughout construction to allow the business to operate. The length of the project was approximately 550 feet. This project was constructed during COVID19 pandemic which added additional requirements to completing the construction.



After construction

Bid documents prepared by GCG included an itemized bid and supporting technical specifications for the construction of the project and all required State documentation to publicly bid and award the project.

GCG provided construction administration and inspection services to the Town of Fairhaven for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions. GCG processed all paperwork required by CDBG.

NELSON STREET ROADWAY IMPROVEMENT PROJECT – CLINTON, MA (PROJECT 5)

GCG Associates provided engineering design, bidding and clerk of works services for the reconstruction of 600 feet of Nelson Street in Clinton, MA. The project was funded through the Massachusetts Community Development Block Grant (CDBG) Program.

The project consisted of full depth reconstruction of the existing roadway, sidewalks and streetscape. Roadway re-design included modification of the vertical alignment of the existing roadway to improve drainage on the roadway as well as drainage structure and piping improvements. Sidewalks were reconstructed and completed on each side of the street for full pedestrian access with ADA compliant slopes, driveway crossings and wheelchair ramps at crosswalks. Goals set forth by the Towns Economic and Community Development branch for redevelopment under a 'CDBG Complete Streets' were achieved through incorporation of grass strips and granite curbing along concrete walkways, new or replaced street trees and 6 new street lights with bases and electrical wiring.

Engineering services provided included a full detail topographic survey, soil analysis, roadway design, pavement design, utility design, permitting through the local Conservation Commission, and preparation of the following: existing conditions plans, engineering construction drawings, project specifications, and a construction cost estimate.

The design used in-house AutoCAD/DCA design system to select the best and most cost-effective design that meets both state and local roadway design standards. Construction drawings and specifications included the roadway plan and profile and construction details illustrating proposed grades, existing utilities, and proposed drainage improvement.

GCG Associates provided construction administration services to the Town of Clinton for this project. These services included advertising and bidding the project, assisting the Town in the selection of a contractor, contract award assistance, resident engineer duties, full time construction observation services, monitoring the progress of construction, addressing issues with construction and residents, review and approval of shop drawing submittals, review and processing of payment requisitions. GCG Associates also provided all paperwork and documentation required to comply with CBDG requirements.



Final coat of pavement being placed.

NORTH STREET INFRASTRUCTURE IMPROVEMENTS PROJECT – BUCKLAND, MA

GCG Associates provided design, CDBG grant assistance, bidding and construction observation services for the reconstruction of 1,100 feet of North Street in Buckland, MA. The project was funded through the Massachusetts Community Development Block Grant Program.

The project consisted design of water and sewer improvements under an existing railroad bridge, full depth reconstruction of the existing roadway and sidewalk, modification of the vertical alignment of the existing roadway to improve drainage on the roadway, drainage structure and piping improvements, installation of new granite curbing, and improvement of safety features of the roadway.

Engineering services provided included a full detail topographic survey, roadway design, pavement design, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, project specifications, and a construction cost estimate.

The design used in-house Civil3D design system to select the best and most cost-effective design that meets both state and local roadway design standards. Construction drawings and specifications included the roadway plan and profile and construction details illustrating proposed grades, existing utilities, and proposed drainage improvement.

GCG Associates provided construction administration services to the Town of Buckland for this project. These services included advertising and bidding the project, assisting the Town in the selection of a contractor, contract award assistance, resident engineer duties, full time construction observation services, monitoring the progress of construction, addressing issues with construction and residents, review and approval of shop drawing submittals, review and processing of payment requisitions. GCG Associates also provided all paperwork and documentation required to comply with CBDG requirements.



Sewer construction North St.



Final Pavement North Street

GROVE STREET INFRASTRUCTURE IMPROVEMENTS PROJECT – CLINTON, MA

GCG Associates provided design, bidding and clerk of works services for the reconstruction of 1,420 feet of Grove Street in Clinton, MA. The project was funded through the Massachusetts Community Development Block Grant Program and Chapter 90 funds.

The project consisted of full depth reconstruction of the existing roadway, modification of a portion of the vertical alignment of the existing roadway to improve drainage on the roadway, drainage structure improvements, water main replacement, and improvement of safety features of the roadway.

Engineering services provided included a full detail topographic survey, soil analysis, roadway design, pavement design, utility design, permitting through the local Conservation Commission, and preparation of the following: existing conditions plans, engineering construction drawings, project specifications, and a construction cost estimate.

The design used in-house AutoCAD Civil 3D design system to select the best and most cost effective design that meets both state and local roadway design standards. Construction drawings and specifications included the roadway plan and profile and construction details illustrating proposed grades, existing utilities, and proposed drainage improvement.

GCG Associates provided construction administration services to the Town of Clinton for this project. These services included advertising and bidding the project, assisting the Town in the selection of a contractor, contract award assistance, resident engineer duties, full time construction observation services, monitoring the progress of construction, addressing issues with construction and residents, review and approval of shop drawing submittals, review and processing of payment requisitions. GCG Associates also provided all paperwork and documentation required to comply with CBDG requirements.



GREEN STREET INFRASTRUCTURE PROJECT – FAIRHAVEN, MA

GCG Associates provided design, bidding services and clerk of works services for the reconstruction of 1000 feet of Green Street in Fairhaven, MA. The project was funded through the Massachusetts Community Development Block Grant Program. Engineering services provided included modifying the vertical and horizontal alignment of the existing roadway to improve the drainage and safety features of the roadway, field survey, soil analysis, pavement design, design of 1000 feet of closed drainage system, design of a replacement sewer, provide connection for sump pumps into the drainage system, ADA compliant sidewalks and intersections, preparation of right of way survey, and drainage analysis.

The design used in-house AutoCAD/LDD design system with a computer roadway package. Varying design scenarios were reviewed to select the best and most cost effective design that meets both state and local roadway design standards. Construction drawings and specifications were developed which included the roadway layout plans and cross-sections illustrating proposed grades, existing utilities, proposed drainage improvements, ADA compliant sidewalks and curbing. Recycling of the top 12 inches of existing pavement/sub-base materials was incorporated into the design system to develop a good, stable, subbase for the new road design.

GCG Associates provided bidding services to the Town of Fairhaven, which included public advertising and bidding the project, assisting the Town in the selection of a Contractor. GCG Associates also provided construction engineering and inspection services for the project. GCG resident inspector monitored the progress of construction, addressed issues with construction and residents. GCG also provided all paperwork and documentation required to comply with CBDG requirements.



PARK AND SPROAT STREET UTILITY AND ROADWAY IMPROVEMENT PROJECT-MIDDLEBOROUGH, MA

GCG Associates provided engineering services to the Town of Middleborough for the preparation of a design, CDBG application (report, estimate and design), bidding, construction administration and clerk of works services. The project was located in a residential neighborhood and provides pedestrian and vehicular traffic throughout the area. The section of Park Street reconstructed extends from the intersection with Sproat Street to the intersection with Frank Street and is approximately 325 feet long. Along this section of Park Street, single homes are located along the east side of the roadway and the Middleborough Housing Authority Nemasket Apartments are located along the west side. The existing infrastructure includes a paved road width of 24' to 25'. It also includes bituminous curbs, bituminous sidewalks, sewer system, water system, drainage system, natural gas system and overhead utilities.

The section of Sproat Street reconstructed extends from the intersection with Park Street ending at the entrance to Nemasket Apartments and is approximately 425 feet long. Along this section of Sproat Street, single family homes are located along the north side of the roadway and the Nemasket Apartments are located along the south side and beyond. The existing infrastructure includes a paved road width of 25 feet, sewer system, water system, drainage system, natural gas system and overhead utilities. The following is an evaluation of each of these systems:

This project was funded through the CDBG program and was a combined applications with the Town of Fairhaven which had their own separate infrastructure project.

The project consisted of reclamation and paving of the existing roadway, modification to the vertical alignment of the existing roadway to improve storm water drainage, removal and resetting of granite curbing, ADA compliant concrete sidewalks, drainage structure and piping improvements, water and sewer main replacement, and improvement of safety features and beautification of the roadway.

Engineering services provided included the preparation of a CDBG report evaluating the existing roadway condition and the benefits of the proposed roadway improvements, a full detail topographic survey, soil analysis, roadway and pavement design, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, construction cost estimate, project specifications and bid documents.

Bid documents prepared by GCG Associates included an itemized bid and supporting technical specifications for the construction of the project and all required Federal and State documentation to publicly bid and award the project according to the CDBG requirements.

GCG Associates provided construction administration and inspection services to the Town of Fairhaven for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions and providing all paperwork and documentation required to comply with CBDG requirements during construction.

SPRING STREET ROADWAY IMPROVEMENT PROJECT – FAIRHAVEN, MA

GCG Associates provided design, bidding and clerk of works services for reconstruction of approximately 900 feet of Spring Street in Fairhaven, MA. The project was funded through the Massachusetts Community Development Block Grant Program. This project was in a mixed-use neighborhood, divided between residential and commercial use, and provides pedestrian and vehicular traffic throughout the area. The section of Spring Street evaluated extends from the intersection with Main Street to the intersection with Green Street and is approximately 900 feet long. Along this section of Spring Street, commercial businesses and multi-family homes are located along the western end and single-family homes are located along the eastern end. An access driveway to Cushman Park is located on the northern side of Green Street at the intersection between Green Street and Walnut Street. Additionally, the historical Fairhaven fire station is located near the western end of Spring Street on a town owned parcel. The existing infrastructure includes a paved road width of 24'. It also includes granite curbs, bituminous/ cement concrete sidewalks (4'-9' wide), sewer system, water system, drainage system, natural gas system and a mixture of overhead and underground utilities.

The existing conditions and the proposed improvements are shown on the attached plans entitled "Spring Street Roadway Improvement Project" and summarized as follows:



Engineering services provided included the preparation of a CDBG report evaluating the existing roadway condition and the benefits of the proposed roadway improvements, a full detail topographic survey, soil analysis, roadway and pavement design, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, construction cost estimate, project specifications and bid documents.

GCG Associates provided construction administration and inspection services to the Town of Fairhaven for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions and providing all paperwork and documentation required to comply with CBDG requirements during construction.

MAIN STREET AND PARK AVENUE ROADWAY IMPROVEMENT PROJECT - FAIRHAVEN, MA

GCG Associates provided design, bidding and clerk of works services for reconstruction of approximately 380 feet of Main Street and 390 feet of Park Avenue in Fairhaven, MA. This is a mixeduse neighborhood, divided between residential and commercial use, and provides pedestrian and vehicular traffic throughout the area. The section of Main Street evaluated extends from the intersection with Huttleston Avenue (Route 6) to the intersection with Bridge Street and is approximately 350 feet long. Along this section of Main Street, single and multi-family homes are located along the easterly side of the roadway and commercial businesses are located along the westerly side. The existing infrastructure includes a paved road width of 26'. It also includes granite curbs, bituminous/ cement concrete sidewalks (4'-8' wide), sewer system, water system, drainage system, natural gas system and a mixture of overhead and underground utilities. Park Avenue extends from the intersection with Huttleston Avenue (Route 6) to the intersection with Bridge Street and is approximately 390 feet long. Along this section of Park Avenue, single family homes are located along both sides of the roadway. The existing infrastructure includes two lanes separated by an earthen island, each with a paved roadway width of 26'. It also includes granite curbs. bituminous/cement concrete sidewalks (4'-8' wide), sewer system, water system, drainage system, natural gas system and a mixture of overhead and underground utilities. The project was funded through the Massachusetts Community Development Block Grant Program. The existing conditions and the proposed improvements are shown on the attached plans entitled "Main Street and Park Avenue Roadway Improvement Project" and summarized as follows:



Engineering services provided included the preparation of a CDBG report evaluating the existing roadway condition and the benefits of the proposed roadway improvements, a full detail topographic survey, soil analysis, roadway and pavement design, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, construction cost estimate, project specifications and bid documents. GCG Associates provided construction administration and inspection services to the Town of Fairhaven for this project. These services included the advertising and bidding of the project, assisting the Town in the selection of a contractor and contract award, administering all contract documents, review and approval of shop drawing submittals, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and processing of payment requisitions and providing all paperwork and documentation required to comply with CBDG requirements during construction.

MIDDLE STREET ROADWAY AND INFRASTRUCTURE IMPROVEMENT PROJECT – FAIRHAVEN

GCG Associates is providing design and bidding services for the reconstruction of 1200 feet of Middle Street in Fairhaven, MA. Engineering services provided included modifying the vertical and horizontal alignment of the existing roadway to improve the drainage and safety features of the roadway, field survey, soil analysis, pavement design, design of 1100 feet of closed drainage system, ADA compliant sidewalks and intersections, preparation of right of way survey, and drainage analysis.

BRIDGE STREET INFRASTRUCTURE IMPROVEMENT PROJECT – FAIRHAVEN, MA

GCG Associates provided design, bidding services and clerk of works services for the reconstruction of 1100 feet of Bridge Street in Fairhaven, MA. The project was funded through the Massachusetts Community Development Block Grant Program. Engineering services provided included modifying the vertical and horizontal alignment of the existing roadway to improve the drainage and safety features of the roadway, field survey, soil analysis, pavement design, design of 1000 feet of closed drainage system, ADA compliant sidewalks and intersections, preparation of right of way survey, and drainage analysis.

The design used in-house AutoCAD/DCA design system with a computer roadway package. Varying design scenarios were reviewed to select the best and most cost effective design that meets both state and local roadway design standards. Construction drawings and specifications were developed which included the roadway layout plans and cross-sections illustrating proposed grades, existing utilities, proposed drainage improvements, ADA compliant sidewalks and curbing. Recycling of the top 12 inches

of existing pavement/sub-base materials was incorporated into the design system to develop a good, stable, subbase for the new road design.

GCG Associates provided bidding services to the Town of Fairhaven, which included public advertising and bidding the project, assisting the Town in the selection of a Contractor. GCG Associates also provided construction engineering and inspection services for the project.



MIDDLE STREET / MAIN STREET CULVERT REPLACEMENT PROJECT – FAIRHAVEN

GCG Associates is providing design and bidding services for the replacement of approximate 400 feet of an existing culver with a new box culvert from the existing drainage pump station to Main Street. An easement plan was developed for the proposed culvert.



MILLIS, MA - UTILITY-ROADWAY PROJECTS 1991 TO 2015

GCG Associates has provided engineering services to the Town of Millis from 1991 to 2015 on over 40 roadway and utility improvement projects which have been funded by grants, capital improvement and Chapter 90 funds. Each project addressed improvements to existing infrastructure and roadway improvements.

GCG prepared the design using in-house CIVIL3D design system with a computer roadway package. Varying design scenarios were reviewed to select the best and most cost effective design that meets both state and local roadway design standards. A typical project would include construction drawings and specifications which included the roadway layout plans and cross-sections illustrating proposed grades, existing utilities, proposed drainage improvements, ADA compliant sidewalks and curbing. Reclamation of the top 16 inches of existing pavement/sub-base materials was incorporated into the design system to develop a good, stable, subbase for the new road design.

GCG Associates provided bidding services to the Town of Millis, which included public advertising and bidding the project, assisting the Town in the selection of a Contractor. GCG Associates also provided construction engineering and inspection services for the project. GCG resident inspector monitored the progress of construction, addressed issues with construction and residents.

A sample project completed shown below with brief descriptions.

ACORN STREET ROADWAY & INFRASTRUCTURE PROJECT - MILLIS, MA

GCG Associates, Inc. provided engineering design services for the reconstruction of 6,000 linear feet of roadway and 2,000 linear feet of new drainage improvements for Acorn Street in Millis, MA. This project was partially funded by Massachusetts Chapter 90 funds and Town funds. Engineering services included a full detail topographic survey, preparation of existing conditions plans, preparation of engineering drawings including profiles and construction details, preparation of project specifications, and preparation of a construction cost estimate. GCG also provided construction administration services to the Town of Millis for this project. These services included advertising and bidding the project, assisting the Town in the selection of a contractor, contract award assistance, resident engineer duties, full time construction observation services, review and approval of shop drawing submittals, and review and processing of payment requisitions.

LEXINGTON, MA - ROADWAY AND INFRASTRUCTURE PROJECTS

GCG Associates currently provides engineering services to the Town of Lexington on an as needed basis. GCG Associates has been providing services since 2002. The projects consist of roadway and utility improvement projects for various streets in Town. Since 2010, GCG has been assisting the Town on a yearly basis with roadway improvements which are 2 to 3 million dollars per a year in roadway and drainage improvements. A sample project which we provided design services for is as follows.

FRANCES ROAD, SHADE STREET, WALNUT STREET AND MISCELLANEOUS AREAS DRAINAGE IMPROVEMENT PROJECT - LEXINGTON, MA

GCG Associates provided survey, design, construction administration and observation services for drainage improvements along approximately 700 feet of Frances Road, 1,800 feet of Shade Street, and 100 feet of Walnut Street in Lexington, MA.

The project consisted of drainage improvements involving remodeling of existing drainage structures, removal of existing drainage structures and drainage pipe, installation of new drainage structures and drainage piping, utility test pits, utility relocation as required, temporary and permanent trench paving, installation of erosion controls, and miscellaneous drainage improvements at various locations throughout the town.

Engineering services provided included a full detail topographic survey, soil analysis, and evaluation of the existing roadway and drainage conditions, utility design, and preparation of the following: existing conditions plans, engineering construction drawings, construction cost estimate, project specifications and bid documents.

The design incorporated the use of in-house AutoCAD/C3D design system to select the best and most cost effective design that meets both state and local roadway design standards. Construction drawings included roadway plans, profiles and construction details illustrating proposed grades and alignments of utilities, existing and proposed utility improvements.

Bid documents prepared by GCG Associates included an itemized bid and supporting technical specifications for the construction of the project and all required Federal and State documentation to publicly bid and award the project.

GCG Associates provided construction administration and inspection services to the Town of Lexington for this project. These services included the review and approval of shop drawing submittals, coordination of the construction process, construction engineering to address issues during construction and to work with residents, inspection services to ensure that the project was built according to the plans and specifications, review and maintenance of construction budget, review and processing of payment requisitions and providing all paperwork and documentation required to comply with Town requirements.



SECTION 5



CONTACT



84 Main Street Wilmington, MA

Wilmington, MA 01887

(978) 657-9714 ext. 211



Merrimack College Bachelor of Science Civil Engineer Major

Affiliations ASCE, BSCE, AWWA

MIKE CARTER PROJECT MANAGER

Registered Professional Engineer Massachusetts, New Hampshire, and Vermont.

Registered Professional Land Surveyor, Massachusetts

EXPERIENCE SUMMARY

Michael Carter formed the company in 1986 and is currently president. Mr. Carter's project experience includes 37 plus years of municipal experience in the design of many infrastructure projects and wastewater treatment facilities. Some of his work is as follows. Mr. Carter has been with GCG Associates since its inception and has survey as project manager on all projects contained herein and many others not listed in this proposal. Mr. Carter has been responsible for managing over 1500 projects since 1986 which include site improvement projects, infrastructure projects, roadway improvements, water system improvements, sewer projects, treatment plants, drainage improvements, and many miscellaneous projects for municipalities in Massachusetts. A fee sample projects from the past 37 years are listed below.

PROJECT EXPERIENCE

Francis Street Reconstruction Improvement Project - Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 700 linear feet of new sanitary sewer, 1,500 linear feet of new storm water drainage and 1,200 linear feet of road reconstruction. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Green Street Roadway Improvement Project – Phase I – Fairhaven, Massachusetts

Design and reconstruction of approximately 1,200 feet of a section of Green Street in Fairhaven, MA. The project involved vertical and horizontal realignment of the streets to ensure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Water Main and Infrastructure Improvements - Clinton, Ma

Responsible for the design of the full depth reconstruction of 1,500 linear feet of Grove Street in the Town of Clinton, MA. The project required modification of a portion of the vertical alignment of the existing roadway to improve drainage on the roadway, drainage structure improvements, water main replacement, and improvement of safety features of the roadway. Existing guard rails were removed and replaced. Closed drainage systems were evaluated and repaired or reconstructed to ensure proper operation. Portions of the existing water system were also replaced. Project responsibilities include existing conditions topographic survey, design plan preparation, permitting through the local Conservation Commission, and the Department of Environmental Protection, and preparation of contract documents to be used in the public bid process.

Sewer Projects -- Millis, Ma

Responsible for the design of 16,000 feet of gravity sewer for the extension of sewer system in Town areas A, B, and E. Mr. Carter was in charge of the design of the sewers and pumping stations. Developed plans and specifications for bidding the project. Rerouted existing sewage flows to alleviate excess flows entering an over taxed sewage pump station.

Sewer Project — Billerica, Ma

Responsible for the construction of 8 miles of gravity sewer in Billerica, MA, with several wetlands crossings. Mr. Carter was in charge of the resident inspection staff and construction managers. The construction administration responsibilities included observing day to day construction to assure contract document requirements are met. Overall planning of the construction process and procedures were Mr. Carter's responsibilities, also.

Sewer Projects - Rochester, NH

Responsible for the design of over 15 miles of sewers, 12 pumping stations (50 gpm to 2300 gpm) for the City of Rochester. Prepared contract documents and specifications for each of the 14 projects over a 5-year period. Assisted the City in bidding the projects and construction.

Roadway Improvements, Green Street - Fairhaven, Massachusetts

Responsible for preparation of engineering plans and profiles, design of approximately 660 linear feet of new gravity sewer, approximately 700 linear feet of closed drainage systems, and 1,000 linear feet of road and associated sidewalk reconstruction, including a segment of horizontal realignment, for the Town of Fairhaven.

Union Street Roadway — Hanover, Ma

Responsible for the design of the full depth reconstruction of 5300 feet of Union Street and 3600 feet of Pleasant Street in Hanover, MA. The project involved vertical and horizontal realignment of the streets to improve safety features. Design of closed drainage systems for roads, cross-sections, water main design, sidewalk, and curbing. Intersection improvements at various cross streets.

Millbrook Roadway Project - Wayland, Ma

Responsible for the design of the full depth reconstruction of 2600 feet of Millbrook Road in Wayland, MA. The project involved vertical and horizontal realignment of Millbrook Road to improve safety features. Design of closed drainage systems, cross-sections, removal of railroad crossing, Glen Road intersection improvements, and curbing. Permitting for wetlands, and flood plain crossing.

Infrastructure — Orange, Ma

Design and Construction services for the South Main Street Sewer project, Orange, MA, which included the design of 1600 linear feet of 15" gravity sewer and 2400 linear feet of 12" water main relay. The project required the development of contract documents and full-time inspection services.

Drainage Improvements, Various Streets - Lexington, Ma

Responsible for the design of the drainage improvements along approximately 700 feet of Frances Road, 1,800 feet of Shade Street, and 100 feet of Walnut Street in Lexington, MA. The project required preliminary design of modification of a portion of the vertical alignment of the existing roadways to improve drainage on the roadway, final design of drainage improvements involving remodeling of existing drainage structures, removal of existing drainage structures and drainage pipe, installation of new drainage structures and drainage piping, utility test pits, utility relocation as required, temporary and permanent trench paving, and installation of erosion controls. Project responsibilities include existing conditions plan preparation, design plan preparation, and preparation of contract documents to be used in the public bid process.

Utilities and Reconstruction, Ashcroft Road — Medford, Ma

Responsible for the design of the full depth reconstruction of 1,800 linear feet of roadway of Ashcroft Road in the City of Medford, MA. The project required adjustments to the vertical roadway alignments in order to eliminate drainage issues, ADA sidewalk compliance issues, and to provide an adequate curb reveal. Existing sidewalks were removed and replaced with ADA and MAAB compliant sidewalks and curb cut ramps. Closed drainage systems and sewer systems were evaluated and repaired or reconstructed to ensure proper operation.

Portions of the existing water system were also replaced. Project responsibilities include sign plan preparation, generation of construction specifications and project coordination with the City.

Bow Street Sewer Project - Millis, Ma

Design and construction services for the Bow Street sewer Project, Millis, MA, which included the design of 2400 linear feet of 8" gravity sewer. Design plans were prepared with construction details to allow the proper connection to existing sewer facilities. Easement negotiations were required with several property owners.

Farm Street Sewer Project — Millis, Ma

Project Manager for the 13,000 linear feet Farm Street Sewer Project (8", 10", and 12"), Millis, MA. Responsibilities included design coordination, bidding coordination and award. Throughout the construction process biweekly meetings were held to assist in the planning of the project and to troubleshoot any problems associated with local residents.

Harvard Water Supply

The Harvard water supply and distribution system project consisted of the design of 100 gpm private bedrock well with 400 feet of feeder main to the proposed 20'x30' pump house which in turn controls and distributes water to approximately 2000 feet of 8" ductile iron distribution. Design services included the preparation of contract plans, contract documents and specifications for the submersible well pump assembly with controls, hydro pneumatic storage tanks and associated pipes, valves and appurtenances located in the pump house; also sized and laid out all the water distribution facilities and obtained all necessary permits.

Rochester Neck Road

Responsible for the design of the Rochester Neck Road Reconstruction project. The project consisted of improving the geometric layout and profile of the existing road, extending the water and sewer system, utility relocations, drainage improvements, widening of a state highway to allow for turning lanes, and preparing specifications.

Whitehall Road Grade Crossing - Rochester, Ma

Responsible for the design of the Whitehall Road Grade Crossing project for the City of Rochester. The project consisted of demolition of an existing bridge, reconstruction of Whitehall Road and other side streets, design of a new road profile, relocation of a stream, drainage design, and grade crossing with Boston & amp; Maine Railroad preparation of construction drawings and specifications.

Centennial Park — Peabody, Ma

Project responsibility for the design of infrastructure, utilities, landscaping, and roadway improvements for an abandoned section of Route 128 in Peabody, MA. Work included the sizing, design and layout of water, sewers, drains, electrical, gas, cable, and alarm systems; street lighting; landscaping improvements; and roadway reconstruction.

Route 38 Water Main Project — Tewksbury, Ma

Design of water system improvements for the Town of Tewksbury, MA. The project involved the design of 16,000 feet of 20" transmission main within a state highway right of way (Route 38); cross connections to existing system, river crossing, evaluation of existing water system, Army Corp permits, wetlands permit and State DPW permit. It also involved preparing contract documents and construction drawings for the improvements. Provided construction administration services including, bidding, evaluation of bids, review of payment requisitions, weekly meetings, and coordination of project scheduling.

Uxbridge Water System — Uxbridge, Ma

Project responsibilities for the design of a High Service Area in Uxbridge Massachusetts, which consisted of the design of a 1500 GPM booster pump station and distribution system which included approximately 8000 feet of 12-inch water main and appurtenances with a future connection for a 1 MG elevated storage tank. The design also included a standby generator, controls, instrumentation and the pump station building Uxbridge Water Supply, Uxbridge, Massachusetts: Design and project management of a Phase I feasibility study for the development of a 1500 gpm water supply. Responsibilities included the preliminary design of the 4-pump water supply system with 250,000-gallon storage facility, preliminary layout of 7700 feet of 14-inch ductile iron water main and coordination with the Mass. Water Management Act.

Common Street Bridge Crossing — Walpole, Ma

Design of water system improvements for the Town of Walpole, MA. Project involved design of a 12" water main crossing the Common Street Bridge, connection of the water main to the existing bridge, structural evaluation and rating of the bridge, obtaining state permits or placement of water main on state owned bridge.



CONTACT



• (978) 657-9714 ext. 203

EDUCATION

Northeastern University Civil Engineering Degree

JAMES COE RESIDENT ENGINEER

EXPERIENCE SUMMARY

James Coe has been with GCG Associates, Inc. for over 27 years. Prior to joining GCG Associates, Inc., Mr. Coe was a Roadway and Utility Superintendent with over 10 years construction experience and was responsible for the construction a number of subdivision and utility projects. His responsibilities included daily scheduling of materials and workers, coordination of subcontractors, survey and operating heavy equipment as needed. Since joining GCG Associates, Inc. in 1993, Mr. Coe has had the opportunity to become involved in a significant amount of municipal and private projects. Project experience includes design, survey, administration, construction, and rehabilitation of pump stations, sanitary sewers, water systems, drainage systems, stormwater management facilities, site grading, road and sidewalk construction and reconstruction estimates, assembly of contract documents, which consist of specifications and plans for public bidding and construction. Mr. Coe has gained a significant amount of experience working on projects with Municipalities, State Housing Authorities and the Department of Housing and Community Development (DHCD) from the design through the construction.

PROJECT EXPERIENCE

Massachusetts Avenue - Lexington, Massachusetts

Construction administration and observation of three phases of sidewalk improvements on the southerly side of Massachusetts Ave from Clark Street to the intersection of Waltham Street. The first phase of construction consisted of the removal and replacement of the concrete sidewalks, wheel chair ramps and sitting areas along Clarke Street and Massachusetts Avenue at the Cary Memorial Library. The remaining two phases of construction involved the removal and replacement of the existing concrete sidewalks with "Pine Hall" wire cut brick sidewalks that were constructed on a "tree friendly" sand based structural medium and hot mixed asphalt base. The projects also included replacement of drainage structures and pipe, removing and resetting of curb, cold planing and paving to address stormwater icing, puddling and flooding along Massachusetts Avenue. Responsibilities included providing construction inspection, maintaining a daily log of contract items, oversight of construction activities to insure conformance with the plans and specifications, MassDOT and ADA Compliance, and resolution of design/construction conflicts.

Nstar Parking Lot Project - Lexington, Massachusetts

Survey and construction of a 35-space parking lot for the Town of Lexington Engineering Department. Project responsibility included initial ground survey, preparation of engineering drawings, drainage plans and profiles and construction details, preparation of the construction cost estimates, specifications, and the resident engineer for the construction of the project. Responsibilities included providing part time construction inspection, maintaining a daily log of contract items, oversight of construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Lewis Street Neighborhood Roadway Improvement Project- Franklin, Massachusetts

Design and reconstruction of approximately of 5,000 feet of roadway on six streets in Franklin, MA. The project involved vertical and horizontal realignment of the streets to insure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the

construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Forest Road Water Main Extension Project – Millis, Massachusetts

Design for the for the full depth reconstruction of 3,500 feet of Forest Road in Millis, MA. The project involved vertical and horizontal realignment of the streets to improve safety features and insure proper surface drainage. The project involved the rehabilitation of existing drainage structures, replacement and the extension of an existing water main, cross-sections, construction details, and curbing. Responsibilities included providing part time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Town wide Resident Engineer - Fairhaven, Massachusetts

Serves as a resident engineer for the construction of water, sewer and drainage utilities and road construction in the Town of Fairhaven. This work consists of monitoring the construction of ongoing commercial developments, residential subdivisions and associated off-site improvements at different stages of construction for the Planning Board and DPW. Responsibilities include oversight of construction activities to insure conformance with the plans and specifications, resolution of design/construction conflicts, served as the Town liaison between area residents and public officials, preparation of utility as built drawings and field ties, and overseeing the testing of utilities and roadway construction.

Green Street Roadway Improvement Project - Phase I and II - Fairhaven, Massachusetts

Design and reconstruction of approximately 3,000 feet of a section of Green Street in Fairhaven, MA. The project involved vertical and horizontal realignment of the streets to insure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts. The design and bidding of Phase III of Green Street is complete and is presently under construction.

Francis Street Reconstruction Improvement Project – Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 700 linear feet of new sanitary sewer, 1,500 linear feet of new storm water drainage and 1,200 linear feet of road reconstruction. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Park Street and Sproat Street Reconstruction Improvement Project – Middleborough, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure according to DHCD requirements, proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approx. 400 linear feet of road reconstruction for the Town of Middleborough. Project included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction of the project. Responsibilities included providing full time construction observation to insure conformance with the plans and specifications, and resolution of design/ construction conflicts.

Elliot Lane Reconstruction Improvement Project - Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 200 linear feet of water main and 200 linear feet of road reconstruction for the Town of Fairhaven. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction conflicts.

Main Street and Park Avenue Reconstruction Improvement Project - Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 400 linear feet of sanitary sewer, 400 linear feet of water main and 1,000 linear feet of road reconstruction for the Town of Fairhaven. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Fort Street Roadway Improvement Project- Fairhaven, Massachusetts

Design and reconstruction of approximately 2,200 feet of full depth reconstruction of Fort Street in Fairhaven, MA. The project involved vertical and horizontal realignment of the streets to insure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Spring Street Reconstruction Improvement Project – Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 800 linear feet of new sanitary sewer 1,100 linear feet of new storm water drainage and 1,000 linear feet of road reconstruction. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Hedge Street Reconstruction Improvement Project – Phase I and II - Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report evaluation of the existing roadway infrastructure condition according to DHCD requirements, recommended proposed road infrastructure improvements, detailed cost estimates and schedule. After the award of the grant, the design and construction of approx. 800 feet of new sanitary sewer, 1,300 feet of new drainage and 1,100 feet of road reconstruction, permitting and construction of a sea wall and stormwater discharge with the Army Corp of Engineers and local Conservation Commission.

Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts. The design of Phase III of Hedge Street is complete.

Green Street Reconstruction Improvement Project – Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 1,000 linear feet of new storm water drainage and 1,000 linear feet of road reconstruction. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of everyday construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

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Main Street Reconstruction Improvement Project - Fairhaven, Massachusetts

Prepared the engineering report and drawings required for the award of the Community Development Block Grant used to fund the project. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements in a mixed-use area, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 500 linear feet of new storm water drainage and 1000 linear feet of road reconstruction for the Town of Fairhaven. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Middle Street Phase 1 and 2 Reconstruction Improvement Project - Fairhaven, Massachusetts

Prepared the engineering reports and drawings required for the award of the Community Development Block Grants used to fund the projects. The report consisted of an evaluation the existing roadway infrastructure condition according to DHCD requirements, recommended proposed roadway infrastructure improvements, detailed construction cost estimates and schedule. After the award of the grant, the design and construction of approximately 1,000 linear feet of new water main, 1,100 linear feet of new stormwater drainage and 2,500 linear feet of road reconstruction for the Town of Fairhaven. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Bridge Street Reconstruction Improvement Project - Fairhaven, Massachusetts

Design and construction of approximately 1,000 linear feet of new stormwater drainage and 1,200 linear feet of road reconstruction for the Town of Fairhaven. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and resident engineer for the construction of the project. Responsibilities included providing full time construction observation, maintaining a daily log of contract items, oversight of construction activities to insure conformance

with the plans and specifications, and resolution of design/construction conflicts. Acorn Street



Lucas Brinkman Construction Observation

CONTACT



Wilmington, MA 01887

• (978) 657-9714 ext. 205



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UMass - Amherst Civil Engineering Degree

EXPERIENCE SUMMARY

Lucas Brinkman has been with GCG Associates, Inc. for over 4 years and has nine years of experience in the design, and construction of civil engineering type projects. Project experience includes design and survey for sanitary sewers, water systems, drainage systems, stormwater management facilities, site grading, road and sidewalk construction projects. In addition to design the projects Mr. Brinkman has also provided construction administration and oversight services on behalf of GCG for various municapl projects. Responsibilities during construction involve monitoring the contractors work to ensure compliance with contract documents. Keep records of work completed, processing pay requisitions, reviewing change orders, punch lists and project closeout. Two recent project which Mr. Brinkman has worked on in the past two years which were funded by CDBG are listed below.

PROJECT EXPERIENCE

Walnut Street Roadway Reconstruction, Clinton, MA

Responsible for design and construction administration and observation of the roadway and infrastructure improvement project. Design and reconstruction of approximately of 1,100 feet of roadway including water system and drainage improvements. The project involved vertical and horizontal realignment of the streets to insure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project. Responsibilities included providing full time construction activities to insure conformance with the plans and specifications, and resolution of design/construction conflicts.

Deerfield Avenue Reconstruction, Shelburne, MA

Responsible for design and construction administration and observation of the roadway and infrastructure improvement project. Design and reconstruction of approximately of 1,100 feet of roadway including water system and drainage improvements. The project involved vertical and horizontal realignment of the streets to insure proper surface drainage and improve safety features. The project consisted of the design of closed drainage systems, pavement design, curbing, cross-sections and construction details, design of ADA compliant sidewalks, and landscaping. The scope of work also required the improvement to various intersections at multiple cross streets. Project responsibility included initial ground survey, preparation of engineering drawings, profiles and construction details, preparation of the construction cost estimates, specifications and was the resident engineer for the construction of the project.



SECTION 6

REFERENCES

GCG Associates, Inc has provided engineering services for many municipalities over the past thirtyfour years, and we have listed some references as follows.

Town of Fairhaven, Massachusetts (Projects 3 and 4) CDBG Funding	g
Vincent Furtado, DPW Director	508.978.4030
John Charbonneau, Highway Superintendent	508.978.4030
William Roth, (former Planning)	508.324.2561

GCG has completed the design and construction of many projects with the Town of Fairhaven since 2006.

Town of Clinton, Massachusetts (Project 1 and 5) CDBG Funding	
Phil Duffy, Community Development Office	978.365.4113
Chris McGowen, DPW Director	978.365.4110

GCG has completed the design and construction of many projects with the Town since 2012.

Town of Shelburne, Massachusetts (Project 2) CDBG Funding	
Terry Narkewicz, Town Administrator	413.625.0300 x1

Town of Millis, MassachusettsJames McKay, Department of Public Works508.376.5424

GCG has provided engineering services for the Town of Millis since 1991 and worked on numerous infrastructure/roadway type projects.

Town of Lexington, MassachusettsJohn Livsey. P.E., Engineering Department781.274.8311

GCG has provided engineering services for the Town of Lexington since 2002 for various survey, road, and utility type projects.

COMPARATIVE EVALUATION I

SECTION 7

1. Relevant experience of proposed project staff directly assigned to the project.

a. Professional Engineer with Massachusetts registration:

Mr. Michael J. Carter is a registered Professional Engineer and Land Survey in the Commonwealth of Massachusetts. Mr. Carter has been practicing engineering since 1983 and has 37 years of experience. See his resume in Section 5. *Highly Advantageous*

b. Project Manager assigned to the project:

Mr. Michael J. Carter is a registered Professional Engineer and Land Survey in the Commonwealth of Massachusetts. Mr. Carter has been practicing engineering since 1983 and has 37 years of experience. See his resume in Section 4. *Highly Advantageous.*

2. Similarity of the five projects completed within the past seven (7) years by the assigned engineer and project manager to this project (Similarity based on criteria established in s. *E.1.d.*)

A more detailed description of the five projects listed below is included in Section 4 Qualification and Similar Experience. GCG has listed the criteria which we have met for each project below to assist in evaluation of GCG.

a. Project 1: Walnut Street Roadway Improvement Project, Clinton, MA

- Project Location: Clinton, MA
- Type of Project: Residential neighborhood and municipal project
- Funding: Funded by both CDBG and Chapter 90 and local funds.
- Major Construction Elements: Roadway, sidewalk, curb and ramp installation, drainage, water replacement.
- Construction Value only: \$963,400, designed 2018 and construction completed in 2019.

All five criteria met, highly advantageous.

b. Project 2: Deerfield Avenue Phase 1 and 2, Shelburne, MA

- Project Location: Shelburne, MA
- Type of Project: Residential neighborhood and municipal project
- Funding: Funded by both CDBG and Chapter 90.
- Major Construction Elements: Roadway, water main replacement, drainage, sidewalk, curb and ramp installation.
- Construction Value only:

Phase 1: \$330,031, designed 2018 and construction completed in 2019. Phase 2: \$353,035, designed 2019 and construction completed in 2020. *All five criteria met, highly advantageous.*

c. Project 3: Francis Street Roadway Improvements, Fairhaven, MA

- Project Location: Fairhaven, MA
- Type of Project: Residential neighborhood and municipal project
- Funding: Funded by both CDBG and Chapter 90.
- Major Construction Elements: Roadway, drainage, sidewalk, water and sewer, curb and ramps.
- Construction Value only: \$794,866 designed 2016 and construction completed in 2017. *All five criteria met, highly advantageous.*

d. Project 4: Hedge Street Roadway Improvement Project, Phase 1 and 2, Fairhaven, MA Project Location: Fairhaven, MA

Type of Project: Residential neighborhood and municipal project

Funding: Funded by both CDBG and Chapter 90.

Major Construction Elements: Roadway, sidewalk, sewer, drainage, water replacement. Construction Value only:

Phase 1: \$631,923, designed 2016 and constructed in 2017.

Phase 2: \$446,546, designed 2016 and constructed in 2020.

All five criteria met, highly advantageous.

e. Project 5: Nelson Street Roadway Improvement Project, Clinton, MA

Project Location: Clinton, MA

Type of Project: Residential neighborhood and municipal project Funding: Funded by both CDBG and Chapter 90

Major Construction Elements: Roadway, sidewalk, curbs/ramps, lighting, water system repairs, and drainage

Construction Value only: \$264,104 designed 2015 and construction completed in 2018. *All five criteria met, highly advantageous.*

3. Is the proposal clear and concise? Does the proposal specifically respond to the RFP? Does it describe methods and procedures for accomplishing the requested services?

GCG has developed this proposal based upon the Request for Proposals structure, following the outline and created sections to allow for ease in reviewing our experience. *Highly advantageous.*

4. Number of years firm has been in business.

GCG was incorporated in 1986 in Massachusetts and has been providing engineering services to various municipal clients since then. GCG has been in business for 34 years. *Highly advantageous.*



SECTION 8

ATTACHMENT D:

CERTIFICATE OF NON-COLLUSION

TOWN OF BUCKLAND

REQUEST FOR PROPOSALS Construction Administration & Resident Inspector Services

Lower Ashfield Street Improvements

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, union, committee, club, or other organization, entity, or group of individuals.

Michael J. Carter (Signature)

Michael J. Carter (Name of Person Signing Proposal)

GCG Associates, Inc (Name Of Business)

02/12/21

(Date)

ATTACHMENT E:

COMPLIANCE CERTIFICATIONS

TOWN OF BUCKLAND

REQUEST FOR PROPOSALS

Construction Administration & Resident Inspector Services

Lower Ashfield Street Improvements

Qualifications: The Consultant represents that it is qualified to perform the services required under this contract and possesses or shall obtain all requisite licenses and permits.

Tax Compliance Certification

Pursuant to M.G.L. c. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Employment Security Contributions and Compulsory Workers' Compensation Insurance: Pursuant to MGL C.151A, S.19 and MGL C.152, the Consultant certifies with all laws of the Commonwealth relating to payments to the Employment Security System and all Commonwealth laws relating to required worker's compensation insurance policies.

Michael J. Carter

(Signature)

Michael J Carter (Name of Person Signing Proposal)

GCG Associates, Inc

(Name of Business)

02/12/21

(Date)

ATTACHMENT F:

DEBARMENT CERTIFICATION

TOWN OF BUCKLAND

REQUEST FOR PROPOSALS

Construction Administration & Resident Inspector Services

Lower Ashfield Street Improvements

Public Contracts - Debarment

Chapter 550, Acts of 1991 and HUD

The undersigned certifies under penalties of perjury that the said undersigned is not presently debarred from public contracts in the Commonwealth of Massachusetts under the provisions of Section 29F of Chapter 29 of the General Laws, or any other applicable debarment provision of any other Chapter of the General Laws, or any Rule or Regulation promulgated thereunder. The undersigned also certifies under penalties of perjury that the said undersigned is not presently debarred from public contracts by HUD under 2 CFR parts 180 and 2424.

Michael J. Carter (Signature)

Michael J Carter (Name of Person Signing Proposal)

GCG Associates, Inc (Name of Business)

02/12/21 (Date)

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ATTACHMENT G:

Corporate Vote Authorizing Submission of Bid

TOWN OF BUCKLAND

REQUEST FOR PROPOSALS

Construction Administration & Resident Inspector Services

Lower Ashfield Street Improvements

SUBMIT THIS FORM OR A SIMILAR FORM WITH YOUR PROPOSAL IF A CORPORATION

VOTED: To authorize and empower Michael J Carter

of this company, be and (s)he is hereby authorized to submit bids and execute contracts in the name and behalf of said company, and affix its corporate seal thereto; and such execution of any contract or obligation in this company's name on its behalf by such officer under seal of this company shall be valid and binding upon this company.

I further certify that the above vote is still in effect and has not changed or modified in any respect.

A true copy

ATTEST: Sheila G. Carter

Place of Business: 84 Main Street Wilmington, MA 01887

