

December 20, 2011

UIC No. P-11-61

Mayor's Office
741 Colonel Highway
Ledyard, CT 06339

Re: Request for Qualifications-Bid #2012-12

Dear Sir/Madam,

United International Corporation (UIC) is pleased to submit our response to the Town of Ledyard's Request for Qualifications (RFQ) for professional services related to the above-referenced project.

UIC is organized as a Corporation practicing as a civil consulting firm in Connecticut. UIC provides professional services including civil engineering, surveying, structural highway/bridge design, and construction administration/observation. Our main office is located at 55 Airport Road, Suite 203, Hartford, CT 06114 with branch offices in Wallingford, Connecticut and Columbus, Ohio.

UIC was established in 1983 and is certified by the Connecticut Department of Administrative Services as a Small/Minority Business Enterprise. Our office staff consists of Professional Engineers, staff engineers, licensed Land Surveyors, certified construction inspectors and support personnel. In its 28 years of practice, UIC has established a reputation for successful completion of Federal, State and Municipal projects. Over 90% of our Clients are repeat clients. UIC believes that success is directly attributable to its commitment to service, professionalism, staff dedication and Client service by top management. UIC is very proud of its reputation for quality of work and its ability to complete projects within budget and on schedule.

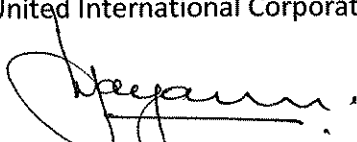
UIC has experience in the design and construction of many water main projects, sanitary sewer and facility projects and understands the permitting, engineering design, coordination and construction oversight needs for these types of projects.

UIC offers the commitment of its Principals that we will responsibly and professionally perform our services to meet the projects needs and goals for the Town. UIC assures the Town that we have the staff available to perform the required work and we are committed to perform the required services within the anticipated project timeline.

UIC is ideally suited to these types of projects. We have the in-house resources to perform all the necessary project tasks. The staff assigned to these projects is predominantly senior level professionals who bring a great deal of experience in all project facets.

Thank you for the opportunity to present UIC's credentials and qualifications. We feel strongly that we are qualified to provide the service necessary to complete this important project. We look forward to discussing our qualifications further with you. For technical questions on this proposal, please contact Peter Georgetti, P.E. at 203-269-2993 or pgeorgetti@uiceng.com.

Sincerely,
United International Corporation

A handwritten signature in black ink, appearing to read "Jayanthan", written over a horizontal line.

Jay K. Jayanthan
Principal

PREVIOUS EXPERIENCE ON SIMILAR PROJECTS

Main Street Water Main Improvements - Middletown, CT

Organization Name (Owner): Water & Sewer Department, City of Middletown, CT

Location of Project Site: Middletown, CT

General Description:

The project is located on Main Street between Washington Street and College Street. The project area affects approximately 1,170 linear feet of Main Street between and including portions of the Washington Street intersection with Main Street. The project addressed herein involves the interior cleaning and cement lining of approximately 1,170 linear feet of existing 6", 8" and 12" cast iron water main on the west side of Main Street. Additionally the project involves the replacement of approximately 1,150 linear feet of 6-inch cast iron water main with 8-inch cement lined ductile iron water main. Included with these improvements are the installation of appurtenances associated with the rehabilitation of the water mains and repair of the roadway and appurtenances disturbed by related work.



UIC also provided Construction administration and inspection services on this project. As part of this work, UIC reviewed Contractor Submittals, conducted weekly meetings between the Contractor and the City, and others as necessary, maintained daily logs of work performed, review and approved Contractor pay applications and maintained as-built information.

UIC transferred the as-built information collected by the Field Observer on the paper plans / field notes to a set of Record Plans. The Record Plans were plotted on a Mylar set of drawings, signed and sealed, and submitted to the City. A digital file of the photographs, field notes, inspection reports and Record Drawings in AutoCAD format was provided on a CD/DVD to the City.

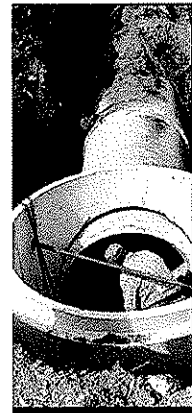


Hunting Hill Ave. Area - Combined Sewer Overflow Separation Project - Middletown, CT

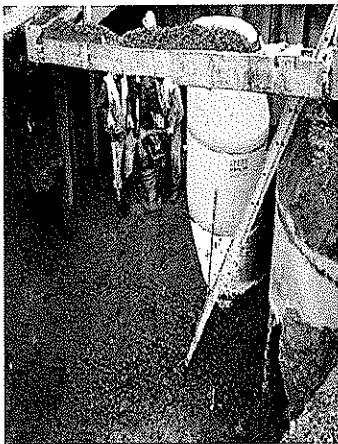
Organization Name (Owner): Water & Sewer Department, City of Middletown, CT

Location of Project Site: Middletown, CT

UIC continues to provide the City of Middletown with expertise in their ongoing Combined Sewer Overflow (CSO) Separation projects. These projects involve separating storm and sanitary flows from the existing combined sewer system by installing new storm and sanitary sewers and appurtenances, repairing defective sewers and modifying sewers and appurtenances to prevent entry of storm water. The latest project is the 15th such project that UIC has performed for the City over the past 28 years. The work has been designed to provide uninterrupted utility service to the neighborhood at all times. **To realize efficiencies in construction, UIC combined the sanitary sewer work with proposed water line work** for the Water and Sewer Department as well as some full-depth road reconstruction work for the City's Public Works Department. The affected roads will be completely rebuilt, correcting deficiencies in horizontal and vertical alignment, drainage and pavement cross-section. Overall, this project involves the rehabilitation of 40,000 lf of sanitary sewer, 6,200 lf of new 8" and 12" water mains and the reconstruction of 3,300 lf of residential roads. UIC performed the field survey, prepared design drawings, contact specifications and cost estimates.



UIC also assisted the City with bidding and is currently working with the selected Contractor through construction. The project duration is estimated to be 450 days. UIC is providing Construction Administration and full-time Construction Oversight of the work. UIC's intimate knowledge of the City's survey information and land records allowed for an efficient review of the existing project easements and to identify areas where easements will be required. New easements were prepared in advance of the construction to minimize delay. UIC's expertise in handling projects that are recipients of State and Federal grants or loans allowed the City to secure loan guarantees for the project. UIC worked with the State of Connecticut Department of Environmental Protection (CTDEP) in preparing the Construction Documents to ensure there would be no obstacle that could delay the project or jeopardize funding.



Replacement of Wilcox Road Bridge over Sumner Brook - Middletown, CT

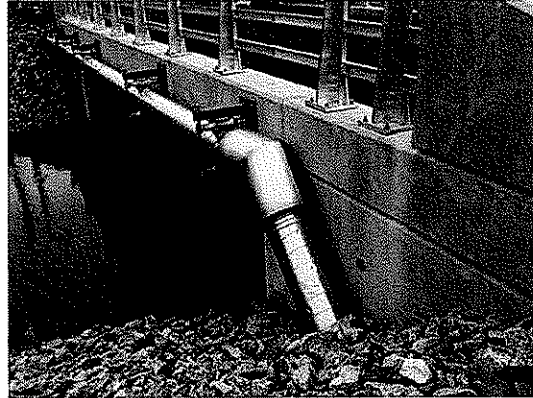
Organization Name (Owner): Water & Sewer Department, City of Middletown, CT

Location of Project Site: Middletown, CT

This project consisted of the removal of an existing 4-barrel culvert and installation of a new precast concrete, arched bridge. The work included the construction of a cofferdam, steel H-piles, cast-in-place wing walls, storm drainage modifications, paving and metal beam rail.

This project also involved the design and installation of a new 12" water line crossing. The original water line had been installed beneath the stream bed and had experienced problems over the years. As such, the City of Middletown Water and Sewer Department requested that the water line be hung from the side of the new bridge.

UIC designed and specified the new water line alignment including the pipe supports and insulated pipe. UIC provided the construction administration and inspection of the new bridge and water line and was successfully turned over to the City.



High View Pump Station Replacement- East Hartford, CT

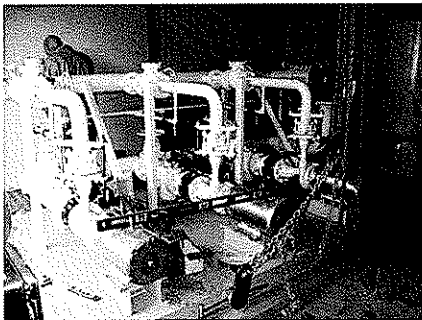
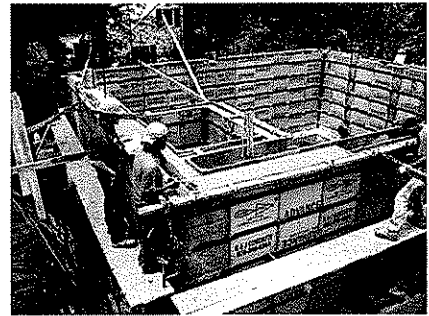
Organization Name (Owner): The Metropolitan District Commission

Location of Project Site: East Hartford, CT

UIC provided Construction Inspection Services for the High view Pump Station Improvements. This project involved full replacement of the pump station with a new building and demolition of the old pump station

Work included the following:

- Conduct daily on-site observations and monitor the work in progress.
- Review the Contractors schedule and subsequent updates.
- Review and input on the monthly pay requisitions.
- Coordinate with local regulatory agency.
- Inspect/oversee construction and the installation/maintenance of the sedimentation control measures.
- Record meeting notes from periodic progress meetings on the site and prepare meeting minutes.
- Coordinate and schedule testing and special inspection services.
- Maintain daily observation reports that include the contractor's and subcontractor's hours on-site, weather conditions deliveries, equipment on the job-site, work directive changes, daily activities, visitors and observation in general.
- Maintain monthly digital photograph log of the events of all major activities.
- Observe functional and performance testing when required.
- Prepare a punch list for the remaining work after completion.



Boston Road Water Main Replacement

Organization Name (Owner): Water & Sewer Department, City of Middletown, CT

Location of Project Site: Middletown, CT

In 2004, new 8" water main was installed in Boston Road to approximately 2500 feet west of Washington Street. The remaining pipe, old and undersized, was to be replaced with the reconstruction of Boston Road by Middletown DPW. When this work was postponed, the Middletown Water & Sewer Department proceeded with a portion of the work. UIC designed the replacement pipe in 2009 and Water & Sewer installed this in 2010, omitting the middle portion where culverts will later be replaced. The new 8" DIP installation was 2000 linear feet and included a 3 valve layout at two tee intersections. The intersection of Boston Road at Washington Street was being relocated by CTDOT at that time and the new pipe met the relocated water main installed by DOT.



ABILITY TO PERFORM EXPEDITIOUSLY

To perform Construction Administration services expeditiously, UIC will ensure that an organized and responsive approach is taken. One major factor in aiding the Contractor's progress is to ensure that submittals are promptly reviewed and returned. Proper communication with the Contractor is also required to enable a clear understanding of all issues involved when a submittal is not sufficient. UIC strives to make sure that the Contractor understands reasons for requiring a revised submittal. It is not in the projects best interest to enter into a cycle of submittals and rejections.

Another major factor in expediting a project is to ensure the prompt response to the Contractor's Request for Information. UIC assigns personnel that understand "time is money." Our staff will ensure that the Contractor's questions are answered in a timely fashion. Understanding the project conditions and being familiar with the project will ensure that a timely response can be provided.

Communication between the Contractor, UIC's on-site Inspector and the Project Engineer is critical to the successful completion of the work. Our team makes every effort to ensure that open and clear communication is established and maintained for every project we are assigned.

Due to the multi-discipline nature of our firm, UIC has the ability to work on a number of projects simultaneously. We have staff capabilities and equipment to meet time and performance schedules for each project that may arise out of this contract. Because of our complete in-house resources, the Town of Ledyard can be assured of a prompt response to any project concerns that may arise. Our engineers are skilled in coordinating the requirements of projects with Contractors to meet established schedules.

STAFF QUALIFICATIONS

UIC proposes for this project a team of highly skilled professionals experienced in Water Main projects. Their experience encompasses all phases of Water Main design, evaluation, and construction. UIC proposes to assign the following personnel to this project:

Jay K. Jayanthan, Principal-In-Charge: Mr. Jayanthan has been a founding member of several successful companies in the U.S. His experience includes recruitment and management of engineers and technical staff, client contacts, contract negotiation, execution of contracts and overall financial management of the project.

Peter B. Georgetti, P.E., Project Manager: Mr. Georgetti has over 20-years of civil engineering experience on public and private projects. His experience encompasses all aspects of projects including design; permitting; preparation of contract documents; construction inspection and project management. His past projects have included work on roads, bridges, water and sewer systems, buildings, land development, and environmental remediation.

Arthur E. Choquette, P.E, CM/CI Manager: Mr. Choquette has over 27 years of experience in construction management and construction inspection. Duties also include supervision of all field and office personnel; development and review of all project correspondence, including material testing, change orders, RFI's, payment estimates, design inquiries, and Contractor claims and schedule submittals, and; coordination.

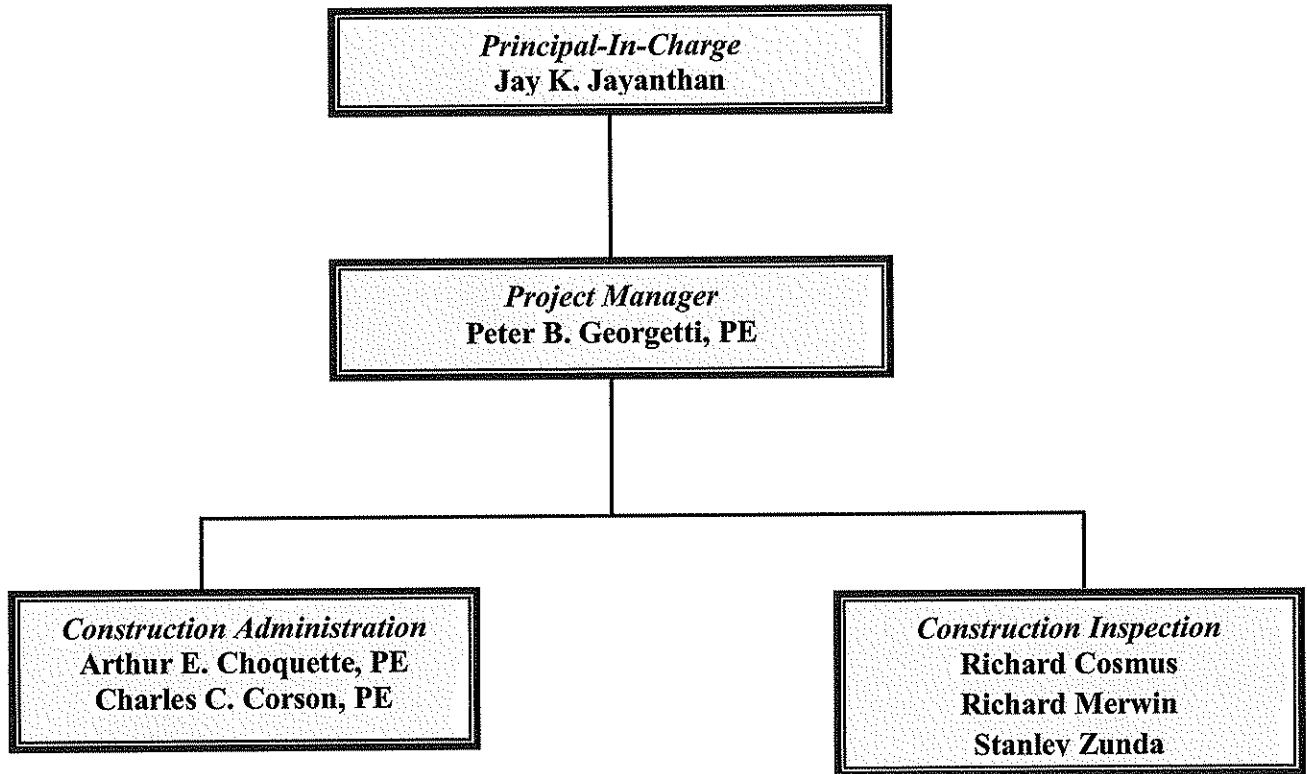
Charles C. Corson, P.E., Senior Civil Engineer: Mr. Corson has 44 years of experience in the field of civil engineering in the States of Connecticut, Pennsylvania, New Jersey, New York, Massachusetts and Rhode Island. He also has experience in countries like Tanzania, South Korea and Malaysia. His past projects have included highway design, water & sewer system design, hydraulics & hydrology, site design, land development, permitting, trenchless technology, and construction inspection.

Richard Cosmus, Senior Construction Inspector: Mr. Cosmus has 24 years of experience as a construction inspector. He is NICET Level 3 certified and has performed Special Inspection. His experience has included vertical construction, welding, concrete, rebar, soils, and laboratory work.

Richard Merwin, Senior Construction Inspector: Mr. Merwin is an experienced Inspector specializing in site inspection on municipal and DOT projects in CT. His 35 years of experience makes him well qualified to provide construction engineering inspection services on various projects from minor to complex.

Stanley Zunda, Construction Inspector: Mr. Zunda is an experienced Inspector with a diverse background in the inspection of various civil engineering projects, including large scale highway projects and smaller municipal projects. His experience makes him well suited to provide construction inspection services on any civil project.

ORGANIZATION CHART



PROPOSED CONTRACT MANAGEMENT PLAN

a. Organization

Peter Georgetti, PE, will be the Project Manager and primary point of contact with the Town. In this position, he will be responsible for coordinating and overseeing all work on this project.

b. Project Implementation Plan

The first order of work of UIC's Project Manager following task initiation will be the preparation of the Project Implementation Plan (PIP). This document is an informational tool, distributed to all personnel involved in the task assignment. It contains information concerning scope of services, budgets, schedules, key personnel, administrative procedures, reference documents, and specific quality control procedures. This document ensures that all personnel involved in this project have access to all pertinent project information

c. Kick-Off Meeting

Following NTP, a Project Kick-Off Meeting will be held involving all key Town and UIC Team personnel where the project scope will be reviewed and all relevant project material identified and collected. This meeting is crucial in successfully focusing the team on the project's goals and objectives.

d. Progress Reports

A narrative progress report will be prepared monthly detailing project progress. The progress report will present the following information for each project: Project status to date; proposed project schedule and actual project schedule; project delays, reasons for the delay and a plan to rectify those issues; and Project list of outstanding actions/decisions that need to be resolved to maintain the schedule.

e. Progress and Review Meetings

Periodically, the Town's Project Manager, UIC's Principal-in-Charge, Project Manager and the project team will meet to discuss the project and resolve issues affecting successful completion.

f. Budget and Schedule Control

The goal of both the Town and UIC is to provide technically accurate and cost-effective work. We will approach this project with engineering cost controls in mind. UIC's Project manager will directly supervise the staff during the project to assure that they remain focused on the goals of the project.

g. QA/QC Responsibility

Primary responsibility will be to ensure that all technical disciplines are in full compliance with their respective quality control procedures. Documentation of compliance with quality control procedures is included in this responsibility.

FAMILIARITY WITH THE PROPOSED PROJECT

Our proposed Project Manager, Peter Georgetti, P.E., is no stranger to the Town of Ledyard. He worked closely with Mr. Steve Masalin, the Director of Public Works from 2007 through 2009 as the Tribal Engineer for the Mashantucket Pequot Tribal Nation and later as the Town Engineer for Ledyard. He was involved with a number of water main, road, bridge, drainage and other Public Works projects during that period. He has worked closely with Mr. Masalin as well as the Mayor, Planning and Finance Departments and Town staff. He has presented plans to the Town's wetlands and planning commissions.

He is familiar with the Aljen Heights project and has a good working relationship with the project team, including the City of Groton Utilities, Amory Engineers and many area Contractors.

More recently, he has worked on several state funded water and sewer projects involving the Clean Water Fund. He is familiar with the additional project requirements related to State and Federally funded projects.

REFERENCES

Mr. Guy Russo
Director
Middletown Water & Sewer Department
82 Berlin Road
Middletown, CT 06457
Office: 860-343-8085(x 100)

Mr. Joseph S. Fazzino, P.E
Chief Engineer
Middletown Water & Sewer Department
82 Berlin Road
Middletown, CT 06457
Office: 860-343-8085(x152)

CONCLUDING STATEMENT – WHY WORK WITH UIC?

During its 28-year history, not only has UIC been able to provide the necessary technical skills our clients demand, but has also satisfied the administrative needs of the projects. Through a hands-on management approach, the owners of UIC ensure not only that a quality product is delivered, but that each product is submitted on time and within budget. This assurance is accomplished by the Principals being in constant communication with the Project Manager to ensure that the needs of the project are met and by being available to the Design Team. This approach by management is taken whether the project is large or small. The success of this approach is demonstrated in the large number of repeat clients UIC has provided services to since its inception in 1983.

UIC has successfully completed very similar projects recently using in-house resources. Our staff will take a hands-on approach in evaluating the project needs and will provide realistic and cost-effective recommendations. Because we have all the necessary resources in house, (designers, technicians, survey, and construction inspectors), we are able to seamlessly transition from preliminary design, to final design, to completed project with a high level of control, resulting in a high-quality, cost-effective final product.

RESUMES

Jay K. Jayanthan

President

General Qualifications



Mr. Jayanthan has been a founding member of several successful companies in the U.S. His experience includes recruitment and management of engineers and technical staff, client contacts, contract negotiation, execution of contracts and overall financial management of the project. His past experience also includes construction administration management of several projects in Tsunami affected areas in Sri Lanka. Mr. Jayanthan will serve as Principal-Incharge on this project.

Experience

Combined Sewer Overflow Separation & Surface Improvement Program - Middletown, Connecticut

- Mr. Jayanthan is the Principal-In-charge for a contract that involved work on new sanitary sewers (6" – 48"), watermain improvements, storm drain improvements (6" – 36"), private inflow separation (500+ houses), roadway reconstruction (full depth reconstruction and overlay), new granite concrete and bituminous curbs, new concrete sidewalks and driveway aprons, bituminous driveways, street lights, and traffic signals. Construction cost is \$4 million. Responsibilities include overall supervision of staff, execution of contracts, client contact, and contract and financial management.

Rehabilitation of existing Solid Waste Transfer Station, City of Ansonia, Connecticut

- Mr. Jayanthan is the Principal-In-Charge on this project involving the rehabilitation of the existing solid waste transfer station. Project involves demolition of an existing Bulk Waste Transfer Facility and Incinerator Building and the design of a new facility covering 1.5 acres. Responsibilities include overall supervision of staff, execution of contracts, client contact, and contract and financial management.

Town of Portland Streetscape Project – Mr. Jayanthan is the Principal-In-Charge on this project that involves the design and construction of 1000 feet of revitalized streetscape. The design provides a more pedestrian and bicycle friendly environment and improved access to existing businesses. The Project is funded by the State as a SAFETEA-LU Enhancement Transportation project and includes revised road/sidewalk geometry, stamped concrete, new signage, trees, benches, banner poles and other street furniture.

Water Main Rehabilitation, Middletown, Connecticut – Mr. Jayanthan served as Principal-In-Charge for rehabilitation of 1,200 linear feet of existing water main by cement lining and replacement of 1,200 linear feet of water main. Design services were completed in 2009.

Ansonia Water Pollution Control Authority – Ansonia, CT – UIC represents the Ansonia WPCA as their direct Engineering Consultant. Mr. Jayanthan is actively involved in coordination between Ansonia WPCA and UIC regarding review of sewer permit applications, sewer rehabilitation and other work related to the City's sewer system. Mr. Jayanthan also represents UIC at the Ansonia WPCA monthly meetings.

SAP Implementation Project – MDC, CT – Mr. Jayanthan is the Principal-In-Charge on this contract. Project involves providing wastewater conveyance and treatment equipment data collection, review and support of populating a Computerized Maintenance Management System associated with the Hartford Metropolitan District's SAP Implementation Services project.

Years of Experience: 30

Years with firm: 3

Education

CPA, 1981, Ohio
Cost and Management Accountant, 1980, UK
Chartered Accountant, 1979, Sri Lanka

Registrations

Ohio Society of CPAs
American Institute of Certified Of Public Accountants

Membership

AICPA

Office Location - CT

Peter Georgetti, PE

Project Manager

General Qualifications



Mr. Georgetti has over 20-years of civil engineering experience on public and private projects. His experience encompasses all aspects of projects including design; permitting; preparation of contract documents; construction inspection and project management. His past projects have included work on roads, bridges, water and sewer systems, buildings, land development, and environmental remediation. Mr. Georgetti will serve as the Project Manager for this project.

Experience

City of Middletown – Project Manager for several sewer and water projects for the Department of Public Works and the Water and Sewer Department. Projects include Combined Sewer Overflow Separation, new water mains, new sanitary sewers, and reconstruction of roadways.

City of Ansonia – Project Manager for the Transfer Station Rehabilitation Project. Project involves the demolition of buildings and design of a new transfer station to handle the City's solid waste.

Town of Portland Streetscape Project – Project Manager for this project that involves the design and construction of 1000 feet of revitalized streetscape. The design provides a more pedestrian and bicycle friendly environment and improved access to existing businesses. The Project is funded by the State as a SAFETEA-LU Enhancement Transportation project and includes revised road/sidewalk geometry, stamped concrete, new signage, trees, benches, banner poles and other street furniture.

Resident Engineer/Chief Inspector for a bridge replacement project at Wilcox Road (State Project No. 82-293) – Performed onsite Construction Inspection and Administration for this bridge replacement project. Ensured the project was performed according to plans and specifications and in accordance with ConnDOT procedures. Represented the City on-site to minimize cost overruns and change orders.

Town Engineer for Ledyard, CT – As interim Town Engineer, provided cost-effective in-house engineering services. Assisted the Mayor, Town Departments, Commissions and Boards in solving current and long-standing problems. Prepared plans, specifications and cost estimates for construction projects; reviewed subdivision and site plans. Prepared cost assessments for new water systems; presented proposals and status updates to Boards and Commissions.

Tribal Engineer, Mashantucket Pequot Tribal Nation, Department of Planning and Community Development - Provided civil engineering expertise to the Tribe to reduce the cost of development. Planned strategic infrastructure improvements and evaluated Tribal development proposals. Developed good working relationships with other Tribal Departments, neighboring municipalities, the CTDEP, the BIA, the ACOE, and other state and federal agencies. Secured Federal, State, local and Tribal permits.

Years of Experience: 21

Years with Firm: 2

Education

BS – Civil Engineering
MS – Business Management

Registrations

Professional Engineer – CT

Certification

OSHA 40-hour Hazardous Worker
Training
OSHA 8-hour Supervisory
Protection Training

Member

ASCE, CSCE

Office Location - CT

Arthur E. Choquette, PE

Director Field Services

General Qualifications



Mr. Choquette has a B.S. Degree in Civil Engineering Technology, a total of 27 years of design and CM/CI experience. His progressive experience includes wastewater treatment, sewer rehab, highway, bridge, tunnel and building construction inspection/supervision. He continually demonstrates excellent performance, dedication, and problem solving skills. Mr. Choquette will serve as the CM/CI Manager for this project.

Experience

Project Manager- CSO 17C, Hunting Hill Ave. Area- Middletown, CT

Engineer in charge of inspection staff and construction activities on \$4 million project in Middletown, CT. Project includes installation of new sanitary sewers and water mains, lining of sanitary sewers, installation of storm drainage, and full-depth roadway reconstruction. Also responsible for all administrative duties, including review of Contractor submittals, processing of change orders and payment estimates, schedule reviews, and issue resolution.

Project Manager- MDC Clean Water Fund Projects

Perform review of all CWF project schedules and change orders. Also responsible for review of all design drawings, change order analysis, and issue resolutions for approximately \$125 million of sanitary sewer, storm sewer, water main and road reconstruction projects.

Project Manager- Main St. Streetscape Project- Portland, CT (DOT Project 112-113)

Supervised inspection personnel on streetscape project, which included; roadway and sidewalk reconstruction, installation of new drainage, landscaping and architectural features; also performed all project management activities, including compilation of change orders, material testing, & other project close-out activities

Special Inspector (2001-2007) - Adriaen's Landing- Hartford & East Hartford, CT

Served as Chief Quality Assurance Engineer for several large-scale projects, including the CT Science Center; CT Convention Center; Stadium at Rentschler Field; Front Street/Travelers Parking Garage; and Columbus Blvd. Utility Relocation project. Supervised all personnel performing material testing and inspection of approximately \$400 million dollars of construction performed by over 30 contractors in the area of building and site construction. Responsible for development and implementation of quality assurance and testing program; preparation of detailed monthly reports; interpretation and enforcement of building codes; and final approval of completed construction for issuance of certificates of occupancy.

Vice-President/Construction Manager (1999-2007)

Engineer in charge of design and construction inspection personnel on municipal, state and private roadway, utility and building projects throughout Connecticut and Rhode Island. Responsibilities included daily supervision of design and inspection personnel; general project management, including scope and fee development, processing of payment estimates and change orders; construction cost estimating; project scheduling; specification writing, and; final review of design documents.

Years of Experience: 27

Years with Firm: 12

Education

BS – Civil Engineering

Registrations

Professional Engineer – CT

Certification

HMA Pavement Evaluation & Rehabilitation Certified (NHI)

Member

ASCE

Office Location: CT

Charles C. Corson, P.E. Sr. Civil Engineer

General Qualifications



Mr. Corson has 44 years of experience in the field of Civil Engineering in the States of Connecticut, Pennsylvania, New Jersey, New York, Massachusetts and Rhode Island. He also has experience in countries like Tanzania, South Korea and Malaysia. This multi-faceted experience includes Highway Design, Hydrology, Hydraulics, Site Design, Land Development, Permitting, Petroleum Tank Design, Trenchless Technology, Sewer System Design and Construction Inspection. Mr. Corson will serve as a Sr. Civil Engineer and Construction Administrator on this project.

Experience

Highview Pump Station, East Hartford, CT – Mr. Corson provided Construction Inspection services for the replacement of the MDC's Highview Pump Station. Work included the construction of a new water pump station building, piping and equipment and the demolition of the existing pump station.

Combined Sewer Separation Project, Middletown, Connecticut - Served as Senior Engineer for the rehabilitation of existing water and sewer mains on several projects for 5,500 linear feet of new water main and 32,000 linear feet of new and rehabilitated sanitary sewer mains. The project also included design for full depth reconstruction of 2,800 linear feet of roads in the project area. Project responsibilities included, water and sanitary sewer pipe design, road and drainage design, and municipal coordination.

Portland Streetscape Project, Portland, CT - Senior Engineer for this 1000 foot Streetscape project. Mr. Corson was the lead designer on this project. He prepared design plans, specifications and cost estimates. He has successfully coordinated with the Town, the ConnDOT and the ConnDOT liaison to expedite the project.

Middletown Water and Sewer Department – Middletown, CT – Designed corrective action for a 36" RCP storm drain, crushed by a 42" Interceptor Sewer, under a major intersection and adjacent to a railroad track, assisted with permits and bidding and coordinated 24-hour construction inspection. This construction, including replacing sections of both pipes and by-pass pumping, was completed in one weekend and received an ASCE/CSCE award.

Middletown Department of Public Works – Middletown, CT – Designed roadway rehabilitation and drainage improvements, including four culverts, obtained an inland wetland permit, assisted with bidding and provided construction administration and inspection services

Ansonia Water Pollution Control Authority – Ansonia, CT – Mr. Corson provided engineering services to the WPCA on I/I analyses and in the design of corrective measures. Prepared plans and specifications for the citywide I/I reduction, provided bid review services and assisted in construction administration and field inspection. These projects included Trenchless Technology Techniques, CCTV monitoring of work, open-cut sewer replacement and manhole rehabilitation. He was also involved in the preparation of plans and specifications for the upgrade of two large wastewater pump stations, with conversion from wetwell/drywell to submersible. Provided bidding assistance and construction administration services,

Years of Experience: 44

Years with Firm: 9

Education

B.S., Civil Engineering

Registrations

Professional Engineer, (CT, RI)
CPESC

Membership

Local Inland Wetland Commission
ASCE, CSCE

Office Location: CT

Richard N. Cosmus

Senior Construction Inspector

General Qualifications



Mr. Cosmus has 24 years of experience as a construction inspector. He is NICET Level 3 certified and has performed Special Inspection. His experience has included vertical construction, welding, concrete, rebar, soils, and laboratory work. Mr. Cosmus will serve as Sr. Construction Inspector on this project.

Experience

UV Disinfection Facility, HWPCF – Mr. Cosmus is serving as the Resident Project Representative for the HWPCF UV Disinfection Facility. Work includes full time inspection services during all types of construction.

Adriaen's Landing - Utility Relocation, Hartford, CT - Senior Inspector for the installation of nearly 2,000 feet of 48-, 60- and 72-inch RCP sanitary sewer, a similar amount of 12- and 30-inch Ductile Iron water main, 8- and 16-inch gas mains, storm drainage, electrical conduits, telecommunications ducts, and surface replacement. Duties included reporting, nuclear density meter operation, sample collection, casting concrete cylinders and grout cubes, inspection and coordination with Contractor.

Simsbury Waste Water Treatment Plant - Senior Inspector for the construction of \$30 Million Project. Duties included concrete and reinforcing steel inspection. Monitored soil placement and record compaction with nuclear density meter. Also inspected welding for compliance with AWS code.

Front Street Retail / Parking Garage – Special Inspector for a 4 level precast parking garage and 60,000 square foot retail space. Responsibilities include inspections for caisson, rock columns, soils, concrete, structural steel, masonry, rebar, etc and verifying quantities, labor rates and construction orders.

Connecticut Science Center, Hartford – *Special Inspector duties included project reporting, nuclear density meter operation, sample collection, and inspection of structural steel erection and welding, fireproofing installation, building exterior construction, masonry construction, and site utility installation.*

Connecticut Convention Center, Hartford, CT - Senior Inspector for the construction of \$200 million Convention Center. Duties included project reporting, nuclear density meter operation, sample collection, and inspection of structural steel erection and welding, fireproofing installation, building exterior construction, masonry construction, and site utility installation.

The Stadium at Rentschler Field, East Hartford, CT - Senior Inspector for the construction of this 40,000 seat, \$100 million, college football stadium. Project required ability to work closely with the Contractor. Duties included reporting, nuclear density meter operation, sample collection, casting concrete cylinders and grout cubes, inspection of reinforcing and formwork, and general inspection.

Years of Experience: 37

Years with Firm: 9

Education

Bachelor of Fine Arts, University of Hartford

Registrations

NICET Level III certified
29 CFR 1926 OSHA 10 Hr Safety Construction Program
HAZWOPER 40 Hour Training/
Welding Inspector –
Ultrasound Level II
Mag. Particle Level II
ACI – Concrete Testing Technician (Field)
Nuclear Density Meter Operator

Office Location: CT

Richard C. Merwin

Resident Field Observer

General Qualifications



Mr. Merwin is involved in wastewater treatment plant construction, both new and upgrades, potable water treatment plant improvements, state highway construction, bridge inspection, soil borings and soil and groundwater contamination investigations.

Experience

Chief Inspector – Interim Nitrogen Improvements, MDC Water Pollution Control Plant, Rocky Hill, CT. Project includes electrical, pumping, process and building upgrades. Work includes all phases of construction, including electrical, mechanical, instrumentation, testing, etc.

Resident Engineer – Sludge Handling Building Odor Control Project, Hartford Water Pollution Control Facility, Hartford, CT.

Resident Engineer for \$5.5 million odor control upgrades to sludge thickening and dewatering building/complex. Project included installation of sodium hypochlorite wet scrubbers, air collection piping, hold tank and digester covers, sludge piping gallery, instrumentation/process control for commercial sludge processing, electrical, pumping, HVAC, and building upgrades.

Resident Engineer – Interim Nitrogen Reduction Improvements, East Shore WPAF, New Haven, CT. Resident Engineer for \$6.5 million plant upgrade for nitrogen removal at 40 mgd facility. Project included conversion to fine bubble aeration in secondary process, pump chambers, electrical building, blowers, HVAC, plumbing/process piping, and instrumentation.

Resident Engineer – Primary Treatment Odor Control System, East Shore WPAF, New Haven, CT. Resident Engineer for \$6 million odor control project. Work included enclosure of primary settling tanks, new odor control building, wet scrubber chemical system (sodium hypochlorite), modifications to existing plant, process control instrumentation and site work.

Resident Engineer - \$90 million Wastewater Treatment Plant Construction, Stamford, CT. Work includes all phases of construction including electrical, mechanical, instrumentation, testing, etc.

Resident Inspector – Various MDC projects

- Pump Station Replacements – Fish Fry, Wethersfield Truck, High St
- Tower Brook Separation Project
- Sewer System Evaluation Survey as part of SSO Elimination Plan

Resident Inspector - Sewer Treatment Plant Improvement, Portland, Connecticut.

Resident Engineer – Combined Sewer Overflow Separation and Surface Improvement projects, Middletown, CT. Performed construction inspection of several major projects involving roadway reconstruction, curbing, sidewalks, landscaping, storm drainage, sanitary sewers (new and rehabilitation) and new water mains. One such project required extreme coordination due to numerous unknown underground steam, electric, cable and other utility lines.

Years of Experience: 43

Years with firm: 28

Education

Graduate – State Technical Institute, Hartford

Registrations

29 CFR 1910.146: Confined Space (Super, Attendant, Entrant)
29 CFR 1910.120: 8 Hour Hazpower Refresher
29 CFR 1926: 10 Hour Construction Safety Program
Nuclear Density Meter Certified.

Office Location : CT

Stanley E. Zunda

Construction Inspector

General Qualifications

Mr. Zunda has 26 years of experience as a construction inspector. He is NICET Level 2 certified and has experience on many high value construction projects comprised of many components. Has is knowledgeable in the CTDOT record keeping procedures. His background includes a variety of civil projects including roads, highways, bridges, water, sewer, drainage, etc..

Experience

Combined Sewer Separation Project, Middletown, Connecticut - Served as Site Inspector for the rehabilitation of existing water and sewer mains on several projects for 5,500 linear feet of new water main and 32,000 linear feet of new and rehabilitated sanitary sewer mains. The project also included design for full depth reconstruction of 2,800 linear feet of roads in the project area. Project responsibilities included daily oversight of construction, coordination with the Contractor, Client and Project Manger.

Portland Streetscape Project, Portland, CT – Chief Inspector for this 1000 foot Streetscape project. In charge of daily oversight of Contractor, preparing daily reports, coordinating testing, calculating quantities, reviewing payment requisitions.

Rail Yard Facilities, New Haven, CT. Construction Inspector for project involving inspection of placement of sub-ballast and sub-base, concrete pouring, bituminous concrete, CL-1, CL-4 (CL-2 lip curbing), concrete and granite stone curbing. Environmental control (water) and environmental solidification work. Project also involved the removal of frame structures, buildings, earth and rock excavation and installation of chain link fence and motorized entrance gate.

Pavement and Bridge Rehabilitation and Safety Improvement, Interstate I-95 Guilford/Branford, CT. Construction Inspector on \$10 million project involving 4.5 miles of roadway improvement including replacement, upgrading of existing drainage structures, median grading and median precast concrete barrier system, guiderail replacement, earth and rock excavation; rehabilitation of 5 structures, improvements include full deck replacement, membrane waterproofing, improvement of parapets, 2 courses of bituminous concrete overlay, traffic line striping, supervised installation of conduit and new wiring for highway street lights.

Reconstruction of Metro-North Railroad West River Bridge. Construction Inspector of \$3.15 million project involving removal of existing masonry of bridge decking, abutments, and piers, monitoring and disposal of contaminated material, installation of pipe piles, and replacement of footing, wingwall abutments, and pier with reinforced concrete and concrete beams for deck. Supervised relocation and rewiring of traffic signals

Years of Experience: 26

Education

Greater New Haven State Technical College, 1995
Certificate in Construction Estimation, 1985

Certifications

NICET Level II; continuing for Level III

Certified in the use and operation of Nuclear Density Testing Equipment