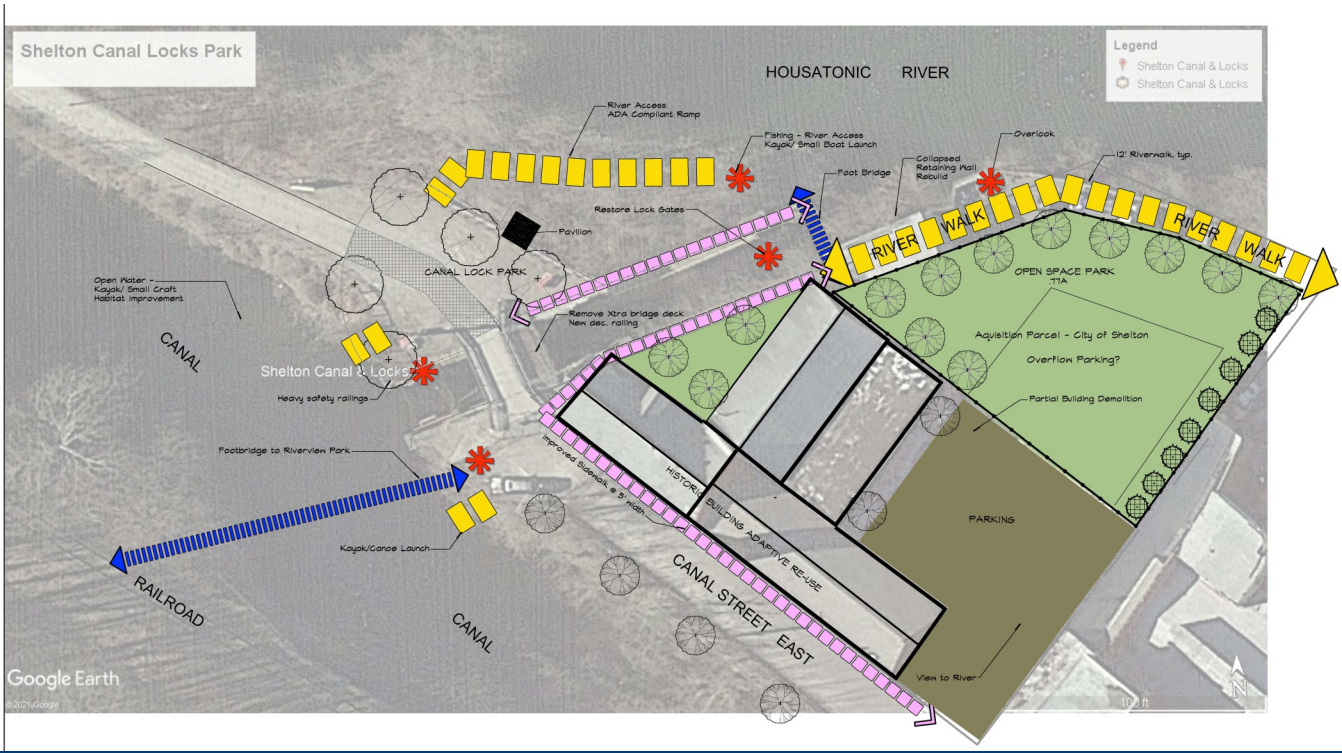
Statement of Qualifications

Special RFQ Bid No. 42-06

Engineering Services for Shelton Canal Locks Park



Submitted to:

City of Shelton

Submitted by:

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

In association with

TATE & ASSOCIATES

Ronald J. Nault, P.E., President
89 Colony Street
Meriden, CT 06451
203-379-0467 phone

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Engineering Services Shelton Canal Locks Park

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DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

DE CARLO
& DOLL, INC.
ARCHITECTS AND ENGINEERS

Section 1

1

Letter of Transmittal

DECARLO & DOLL, INC.

ARCHITECTS
ENGINEERS
SURVEYORS
PLANNERS
CONSTRUCTION MANAGERS

August 27, 2021

Mr. Gene Sullivan
Purchasing Agent
City of Shelton
54 Hill Street
Shelton, CT 06484

Re: Special RFQ Bid # 42-06
Engineering Services for Shelton Canal Locks Park

Dear Mr. Sullivan:

DeCarlo & Doll, Inc. is extremely interested in and pleased to submit our qualifications for professional engineering services in connection with the Environmental Restoration of the Shelton Canal System north of Wooster Street; the Historic Preservation of the Shelton Canal Lock and the Establishment of public open space opportunities such as expanded walking paths, creating access to the Housatonic River and establishing pocket parks within the program boundaries. Thus creating A Destination Park for the City of Shelton.

Our firm offers a strong and consistent presence in Connecticut, where we have practiced continuously for over 40 years. Our depth of experience within the City of Shelton as well as local municipalities, coupled with our team of consultants, makes DeCarlo & Doll the logical choice for this exciting project. With a dedicated staff of Engineers, Landscape Architect, Permit Specialist, Environmental Specialist, Canal Locks Expert and Cultural Resource Management carefully selected for the requirements of the Shelton Canal Locks Park project, we have the ability to provide the City of Shelton with the immediate resources required for the commencement of the Shelton Canal Locks Park project.

Recognizing that many varied skill sets are necessary for the complete success of this project, and that such requisites do not necessarily reside in one firm, DeCarlo & Doll has teamed with Tate & Associates, LLC, Gomez and Sullivan Engineers and TRC Environmental. Both DeCarlo & Doll and Tate & Associates are landmark firms in Connecticut, have similar cultures and know the local landscapes. Whereas DeCarlo & Doll has significant engineering and permitting background, as evidenced by the highly successful Canal Street renovation project, Tate & Associates brings a wealth of experience and expertise in the Landscape Architecture field. Both firms have extensive experience with the City of Shelton and with Riverwalk Parks as well as Pedestrian Bridges. Accordingly, DeCarlo & Doll will fully manage the project and lead the design effort with assistance from Tate & Associates for landscape architectural services. DeCarlo & Doll will also perform site/civil, structural engineering, survey and permitting services, and remain responsible for coordination of all consultants.

To address the important and unique aspects of this project, we have added Gomez and Sullivan Engineers, from Loudonsville, NY and TRC Environmental to round out our team. Gomez and Sullivan offer a multitude of services in dam safety, hydropower licensing and compliance,

engineering, stream and habitat restoration, hydrology and hydraulics, fisheries and fish passage, environmental studies, and information management fields with employees specializing in over 15 different disciplines. Their experience includes the investigation and design as well as construction oversight of over a 100 dams; including dam assessment and removal, and damn break/inflow design flood studies. TRC Environmental has strong ties to the environmental movement of the 1970s, sustainability is etched in their DNA. For the past five decades, TRC has committed to solving client challenges in a way that makes the earth a better place to live. Since the 1960s TRC has set the bar for clients who require more than just engineering, combining science with the latest technology to devise innovative solutions that stand the test of time. Today TRC is a global consulting firm providing environmentally advanced and technology-powered solutions for the oil and gas, power and infrastructure markets.

It is because of these experiences and breadth of staff and consultants, that our team is perfectly suited for the Shelton Canal Locks Park project. Our team brings a significant portfolio of work as well as on-going professional relationships with the City of Shelton and various committees.

In considering our proposal, please note the following attributes of our team:

- We have the local knowledge of the project and are experienced with the City of Shelton standards and requirement
- Our team will provide community support in presenting the design ideas and eliciting input from user groups.
- We understand the need for cost effective solutions that will meet the City's budget
- Project phasing is well understood by our team and will be incorporated throughout the design process.
- We have designed numerous riverwalks and parks.
- We have Inspected, evaluated and designed over 100 dams.
- We have excellent working relationships with the City of Shelton.

We completely understand the requirements of the RFQ and acknowledge receipt of Addendum #1 and are confident that we will meet or exceed your goals and objectives. We certify that our proposal is accurate and we take no exceptions to the contract considerations outlined within the RFQ.

We enthusiastically look forward to an opportunity to formally present our qualifications and to be selected for further consideration. Please feel free to contact me at 203-379-0467, should you have any questions concerning our proposal.

Respectfully Submitted,

DeCARLO & DOLL, INC.

Ronald J. Nault, P.E.
President

TATE AND ASSOCIATES, LLC.

James W. Tate, ASLA
Landscape Architect

DE CARLO
& DOLL, INC.
ARCHITECTS AND ENGINEERS

Section 2

2

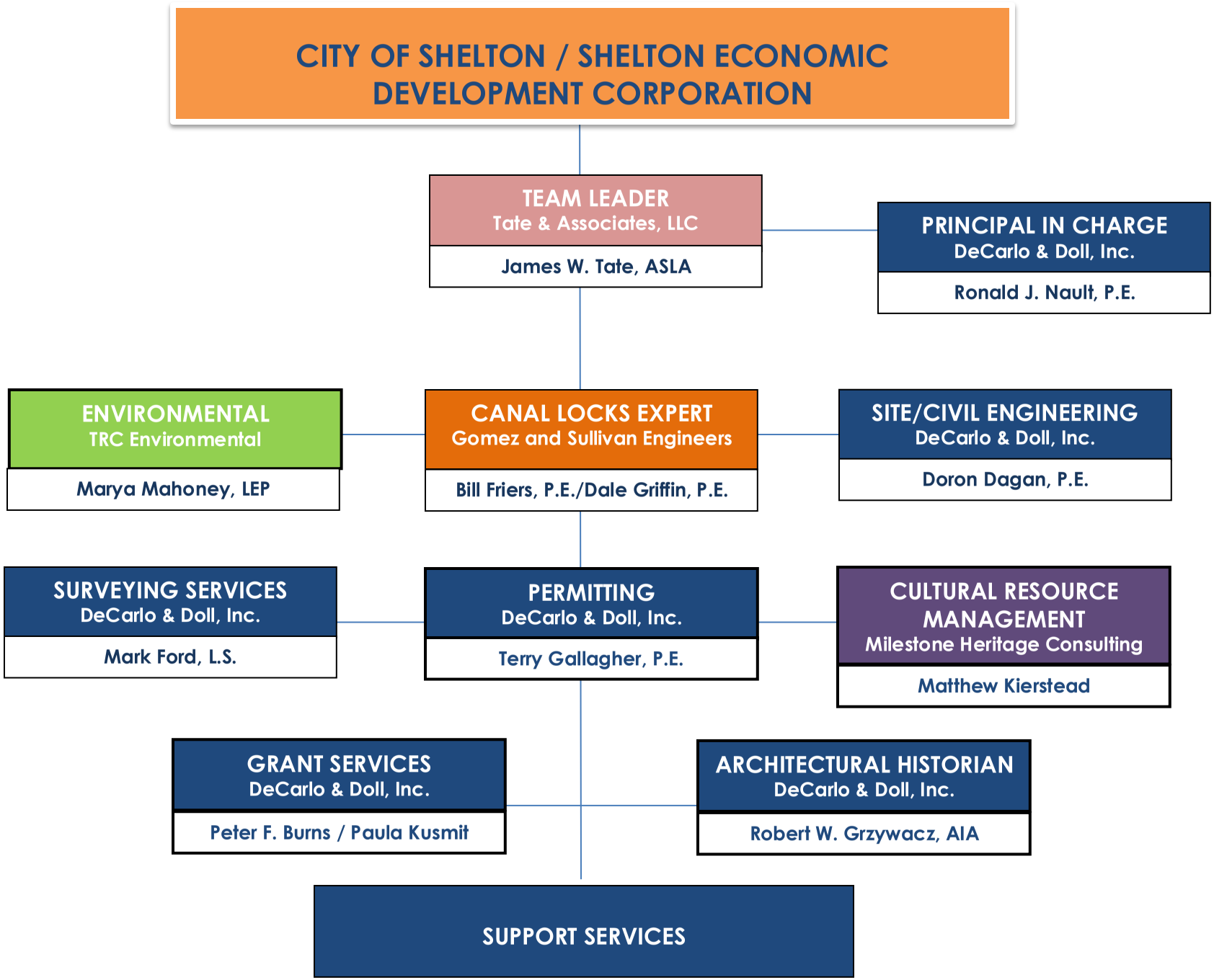
Experience and References

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

For nearly four decades, the DeCarlo & Doll team has been providing civil engineering and recreational design services for Connecticut's cities and towns in support of mobility, health, safety, and economic growth. With a long history of working in and around Connecticut's neighborhoods, we understand the integral relationship between connectivity and the uniqueness of the communities in which we work. Our municipal experience has likewise made us very proficient in helping cities and towns maximize their grant funding opportunities.

For this project, we have put together a highly experienced team capable of effectively designing the Shelton Canal Locks Park in support of the City's vision.

Key personnel resumes follow along with samples of similar projects and references for your review.


CITY OF SHELTON / SHELTON ECONOMIC DEVELOPMENT CORPORATION
TEAM LEADER
Tate & Associates, LLC
James W. Tate, ASLA
PRINCIPAL IN CHARGE
DeCarlo & Doll, Inc.
Ronald J. Nault, P.E.
ENVIRONMENTAL
TRC Environmental
Marya Mahoney, LEP
CANAL LOCKS EXPERT
Gomez and Sullivan Engineers
Bill Friers, P.E./Dale Griffin, P.E.
SITE/CIVIL ENGINEERING
DeCarlo & Doll, Inc.
Doron Dagan, P.E.
SURVEYING SERVICES
DeCarlo & Doll, Inc.
Mark Ford, L.S.
PERMITTING
DeCarlo & Doll, Inc.
Terry Gallagher, P.E.
CULTURAL RESOURCE MANAGEMENT
Milestone Heritage Consulting
Matthew Kierstead
GRANT SERVICES
DeCarlo & Doll, Inc.
Peter F. Burns / Paula Kusmit
ARCHITECTURAL HISTORIAN
DeCarlo & Doll, Inc.
Robert W. Grzywacz, AIA
SUPPORT SERVICES

Ronald J. Nault, P.E.

President—Principal-in-Charge

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

As President and Principal-in-Charge of Luchs/DeCarlo & Doll with over 35 years of experience in the field of engineering, Ron has performed all aspects of engineering including field investigation, study, design and construction. He is currently responsible for managing engineering, field and technical staff in the preparation of studies, designs, permitting, and negotiations with regulatory agencies.

EDUCATION

Bachelor of Science, Civil Engineering
University of Connecticut, 1984

Master of Science, Environmental Engineering
University of New Haven, 1989

REGISTRATIONS & ORGANIZATIONS

Registered Engineer in CT, RI, ME, MA, FL, OH, NH, VT

American Society of Civil Engineers (CSCE Chapter Past President)

American Water Works Association

EXPERTISE

Manage Site/Civil and Utility Design projects

Manage Construction Administration and Inspection of roads, bridges, and utilities

Supervise Stormwater and Flood Mitigation Design

Oversee environmental and hazardous wastewater investigations

Coordinate science and engineering staff in preparation of Army Corps of Engineers, CT DEEP, and local permits

PROJECT EXPERIENCE

On-Call Services Aquarion Water Company
On –Call Services Regional Water Authority
Steelpointe Harbor Development, Bridgeport
52 acre mixed use site
United Illuminating On-Call SUE
Ansonia Riverwalk Plan (9 Segments)
Constitution Boulevard, Shelton
Beacon Falls Riverwalk
Rimmon Street, Seymour
Combined Utility Extension and Redevelopment Plan, Stafford Springs
Main Street (Route 34), Derby
Canal Street Reconstruction, Shelton
Hubbard Road and Bridge, Guilford
Stamford Urban Transitway, Phase 2

JAMES W. TATE, RLA, ASLA

PRINCIPAL TATE & ASSOCIATES, LLC

Since 1978, Mr. Tate has developed an extensive portfolio of award - winning land planning projects. He is President of Tate & Associates, LLC and has designed many public parks, memorials, and streetscapes in the area including: Derby /Naugatuck River Bridge Study Shelton Riverwalk, Shelton Constitution Park, Ansonia Division Street Plaza and Riverwalk, Beacon Falls Veterans Park and Streetscape, Wethersfield Town Hall Park /Streetscape and Waterbury City Hall Plaza Renovation.

Mr. Tate serves on various Boards and Commissions at local, regional, and state levels. He is responsible for the overall operation of the firm, and is actively involved in the management and design oversight of all projects. His broad experience with major corporate clients and large scale land planning projects makes him uniquely qualified as a landscape architect.

Registrations

Landscape Architect; *Connecticut, New Hampshire, and New York*

Commissions / Boards / Memberships

American Society of Landscape Architects – Member - *Past President / Treasurer*

Commissioner – City of Shelton Conservation Commission

Advisory Committee – City of Shelton *Plan of Conservation & Development*

Merritt Parkway Advisory Committee, *Connecticut Dept. of Transportation*

Guest Lecturer / Faculty Search Committee -

University of Connecticut - Naugatuck Community College

Boy Scouts of America/ Housatonic Council – *Past Executive Board Member*

Education

1978 B.L.A. Landscape Architecture, *SUNY College o f Environmental Science and Forestry, Syracuse, New York*

1977 B.S. Environmental Science, *Syracuse University, Syracuse , NY*
B.S. Environmental Science, *SUNY College of Environmental Science and Forestry, Syracuse, New York*

Professional Experience

1984 – Present Tate + Associates, LLC, Principal / Owner
Fairfield, Connecticut

1978 – 1984 The Landplan Partnership, Senior Associate
Southport, Connecticut

Representative projects with extensive pedestrian involvement include:

Shelton Veterans Park & Riverwalk
Shelton, Connecticut

Beacon Falls Veterans Park & Streetscape
Beacon Falls, Connecticut

Shelton War Memorial
Shelton, Connecticut

Milford Point Coastal Educational Center
Milford, Connecticut

Ansonia Riverwalk
Ansonia, Connecticut

Shelton Chromium Garage
Adaptive Reuse Project
Shelton, Connecticut

GOMEZ AND SULLIVAN ENGINEERS

William J. Friers, PE

Structural/Geotechnical Lead

EDUCATION

- B.S. Civil & Environmental Engineering, 1973, Clarkson University (Potsdam, NY)
- M.S. Structural Engineering, 1976, Rensselaer Polytechnic Institute (Troy, NY)

PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

- Professional Engineer (MA, NY, WV)
- Member, American Society of Civil Engineers
- Member, Association of Dam Safety Officials
- Member, U.S. Society on Dams

REPRESENTATIVE EXPERIENCE

Mr. Friers is a hands-on, detail-oriented civil/structural engineer with more than 40 years of broad experience and knowledge related to dam, water resources, hydroelectric, water supply, flood control, irrigation, and navigation projects. His project responsibilities have included conceptual, preliminary and final designs, alternatives studies, design drawings, contract specifications, permitting and construction monitoring. Mr. Friers has also served as project manager on numerous projects in the electric utility, federal, municipal, and commercial sectors. He has served as the project manager or lead engineer for projects involving design and rehabilitation of concrete and embankment dams, geological evaluations, subsurface investigations, stability assessments and analyses, and seepage analyses.

Albion Waste Weir Modernization

New York State Canal Corporation (Albion, NY)

Project manager for the replacement of three sluice gates and installation of electric gate actuators at the NYSCC Waste Weir in the Village of Albion, Orleans County, NY. Water discharged from the canal through the waste gates enters the West Branch Sandy Creek, which flows through many road culverts that in the past have experienced significant flooding. Oversaw development of a hydraulic analysis to determine the capacity of these culverts and data regarding allowable gate positions to maintain the maximum flow without causing downstream flooding. Responsible for preparation of technical specifications and project drawings for replacement of the three sluice gates, design of appropriate-sized riprap for shoreline stabilization downstream of the gates, USACE and NYSDEC permits, and coordination with the NYS SHPO to replace operating components that are now historic, without eliminating their contributary historic appearance. The project also includes design of instrumentation and controls for remote operation of the gates.

Dolgeville Dam Flood Remediation

Portage Power, formerly EONY (Dolgeville, NY)

Project manager for condition assessment and design of repairs to Dolgeville Dam after an ice jam downstream of the project led to inundation of the project's underground powerhouse. Led inspection team for evaluation of the structural, electrical, and mechanical components of the powerhouse to assess damages. Prepared a memo to summarize findings and present options for repair and/or replacement of parts, equipment, and instrumentation, and included a list of items believed to be salvageable. Remediation design included a vertical extension of the powerhouse's downstream flood wall, a sediment management plan with triggers to initiate dredging of the project's intake and tailrace, as well as a cutoff

wall to mitigate seepage through the embankment between the river and powerhouse. Responsible for technical specifications, project drawings, and construction-phase services.

Tomhannock Reservoir Dam Rehabilitation

City of Troy (Troy, NY)

Engineer of Record for the design of rehabilitative measures to address slope stability and seepage issues for this 60-foot-high, 700-foot-long embankment dam and the replacement of the dam's cracked and spalling spillway training walls. Project design included shallow soil mixing to improve soil conditions at the toe of the dam to a depth of approximately 15 feet, structural rehabilitation of the leaking 5-foot-diameter steel low-level outlet conduit using a centrifugally cast structural concrete pipe (CCCP) lining, and structural refurbishment of the damaged low-level outlet pipe using a centrifugally cast, ultra-high-strength cementitious liner system.

Kettle Brook #4 Dam Rehabilitation

City of Worcester (Worcester, MA)

Lead civil engineer for the design of safety improvements to the Kettle Brook #4 dam and earthen dikes to bring the dam into compliance with Chapter 253 ODS Dam Safety Regulations, and to improve their structural integrity to avoid a catastrophic release of water. Improvements included raising the level of the two existing earthen dikes, and armoring the dikes with rip rap to guard against scour and rehabilitation of the existing spillway channel walls. Full construction documents and specifications were prepared for the publicly bid project, as well as permitting related to all improvements.

East of Hudson Dams, Geotechnical Investigation & Stability Analysis

NYCDEP (New York, NY)

Project manager for the geological evaluation and stability assessment of eight high hazard dams owned by the New York City Department of Environmental Protection (NYCDEP). The project team developed a geological exploration program to obtain material parameters necessary to evaluate the stability of the dam and spillway structures and prepared all required permit applications for NYCDEP submittal. On-site geologic mapping and foundation rock characterization was used in determination of material parameters. Stability analyses, using rock parameters for the investigation, were performed in accordance with New York State Department of Environmental Conservation (NYSDEC) and the U.S. Army Corps of Engineers (USACE Engineering Manual EM 1110-2-2200). An Engineering Assessment Report presenting alternatives and recommendations for stabilization of dams, as necessary, and conceptual Opinion of Probable Construction Costs were prepared.

Condition Assessment & Structural Evaluation, Germantown and Englewood Dams

Miami Conservancy District (Dayton, OH)

Reviewed record drawings and previous safety inspection reports and interviewed owner's personnel to develop a field investigation program to determine the nature of observed cracking of twin unreinforced outlet conduits that extend through the existing earth embankment dams. Field investigations included visual inspection of the conduits, LIDAR surveys, concrete cores through the principal spillway conduit outside walls and geotechnical laboratory testing of soil samples and petrographic testing of concrete cores. Structural analyses of the conduits were modeled using FLAC3D software and data obtained during the field investigation program.

Levee Inspection and Condition Assessment

City of Council Bluffs (Council Bluffs, IA)

Lead civil engineer for the evaluation of flood damage sustained by the 26-mile-long Council Bluffs levee system during the 2011 floods along the Missouri River. Prepared a report delineating the damages sustained by the levee system for the Project Sponsor's submittal to the U.S. Army Corps of Engineers and Federal Emergency Management Agency. The report included recommended remedial actions to meet regulatory requirements and estimated costs for recommended actions.

GOMEZ AND SULLIVAN ENGINEERS

Dale A. Griffin, PE

Senior Civil/Structural Engineer

EDUCATION

- B.S., Civil Engineering, University of Lowell, 1980
- A.A.S., Civil Engineering, Wentworth Institute of Technology, 1977

PROFESSIONAL REGISTRATIONS & AFFILIATIONS

- Professional Engineer: New York, Connecticut, Pennsylvania, Virginia, Vermont, Maryland, Massachusetts, & New Brunswick
- American Institute of Steel Construction (AISC)
- American Concrete Institute (ACI)

REPRESENTATIVE EXPERIENCE

Mr. Griffin is a senior structural engineer with over 40 years of experience in the structural analysis and design of civil engineering projects, including locks, dams, spillways, powerhouses, gated structures, bridges, railroad structures, and retaining walls. His responsibilities have included the design and analysis of new structures, rehabilitation of existing structures, preparation of construction plans and specifications, review of shop drawings, and construction support services.

Design of Rehab & Repair of the NYS Canal System Components State Wide Assignment No. 1; Rehabilitation/Repair of May's Point Movable Dam 18 at Lock E-25 on the Clyde River

New York State Thruway Authority/New York State Canal Corporation (Tyre, Seneca County, NY)

Project Manager, Lead Structural Engineer, Inspection Team leader responsible for inspection of the movable dam, preparation of the Canal Rehabilitation Project Report (CRPR): which provided the finding of the structural inspection and recommendations for the rehabilitation project, preparation of the Cofferdam Impact Analysis Report; and preparation of the Dam Safety Analysis: which included a seepage analysis, the dam and abutments stability analysis, pile analysis, and the structural analysis of the gates, uprights, and catwalk. Prepared plans for the rehabilitation of the structure which included, construction of a sheet pile cutoff wall upstream of the dam, replacement of the gate operating equipment, replacement of the gates, sill repairs, replacement of the uprights, access stairs, and a new OSHA compliant upper access walkway.

Replacement of the existing Canal Gates at the Fries Hydroelectric Station, Fries, Virginia

Casco Systems/Enel Green Power

Lead Structural Engineer for the Inspection and civil/structural design for the replacement of the existing Canal Gates. The new gates were fully automated. Responsibilities included the design of the gate mounting structures, the mounting anchors, and the evaluation of the existing structure. Prepared plans, and specifications for the project.

Derby Hydroelectric Project and Access Bridge

Shelton, Connecticut (Shelton, CT)

Project included complete civil, electrical, and mechanical design of a new 8.0-MW power station, draft tube and intake gates, and trash racks and raking system; partial demolition and restoration of a historic gate house, canal, and locks; modification of a downstream lock to maintain canal water levels; design of a new access bridge; construction of a 300-foot-long anchored sheet pile wall to support the adjacent railroad embankment; and rehabilitation of the 200-foot-long stone masonry side spillway. Work involved

designing compression struts to support the canal/abutment walls at the new access bridge location and capping and rock anchoring the existing spillway to the rock foundation. Responsibilities development of civil/structural design criteria; structural design of various project components; preparation of construction drawings and cost estimates; management of the project design team; administration of general construction and generating equipment supply contracts; and construction inspections.

Rehabilitation of Lock O-5

Oneida New York State Thruway Authority/Canal Corporation (Minetto, NY)

Project Manager/Lead Structural Engineer for the rehabilitation of Lock O-5 on the Oswego Canal. Team leader responsible for the in-depth inspection of the lock components and the preparation of the Canal Rehabilitation Project Report (CRPR). Structural engineer responsible for the design of concrete and steel repairs to the lock chamber, approach walls, gates, gate sill and gate machinery. Responsible for the preparation of plans and specifications for the rehabilitation of the structure.

Design of Rehabilitation & Repair of the NYS Canal System Components State Wide Assignment No. 2; Flood Inspection Surveys; Lock E09, Lock E11, Lock E12, & Lock E15

New York State Thruway Authority/New York State Canal Corporation

Project Manager, QA Engineer, Inspection Team leader. Responsible for the inspection of two of the four movable dams and lock structures damaged during Hurricane Irene, and Tropical Storm Lee. Work included inspection of the structures, the preparation of Damage Assessment Reports identifying and documenting the damage that occurred to the structures, and the development of estimated cost of repairs. Duties included the quality assurance review of two of the four movable dam Damage Assessment Reports.

Streetscape and Marina Improvements

Village of Frankfort (Frankfort, NY)

Project Manager for streetscape and marina improvements at the Erie Canal site in Frankfort. The project involves planning and designing sidewalks, roadways, utilities, a new harbor master's office, a boardwalk, a concession stand, and period lighting.

Above-Water Canal Inspection Program

New York State Department of Transportation

Project Manager and Team Leader responsible for the supervision, coordination, and scheduling of work. Project consists of the inspection of 330 canal structures including locks, guard gates, movable dams, Taintor gates, and spillway structures. Duties included field inspection of structures, preparation of inspection reports, and the quality control review of other team leader reports.

Little Falls Hydroelectric Project

City of Little Falls, New York

Structural Engineer responsible for design of movable dam (sill beam, sheet piles, and buffer beam) for Lock 17 on the New York State Barge Canal. Designed flashboard system, side channel spillway, and gated minimum flow release structures installed at the State Dams.

Seneca Falls Rehabilitation

Gravity Renewables, Inc. (Seneca Falls, NY)

Structural Engineer for rehabilitation project at Seneca Falls Dam. The dam is part of the NYS Canal System and was exhibiting extensive concrete deterioration along the downstream face of the spillway and the south wall of the powerhouse structure. Project included preparation of detailed construction plans and technical specifications. Responsible for consultation to the client throughout the construction phase and responding to Requests for Information (RFIs) from the contractor.

MARYA B. MAHONEY, LEP

EDUCATION

M.S., Geology, University of Connecticut, 1997

B.A., Geology, Vassar College, 1994

PROFESSIONAL REGISTRATIONS

Licensed Environmental Professional, Connecticut, (#478), 2007

AREAS OF EXPERTISE

Ms. Marya B. Mahoney is a Project Geologist at TRC and has management and technical experience in the following general areas:

- Project Management
- Environmental Site Assessments (Phase I,II and III)
- Hazardous Waste Site Investigations
- Remediation Planning and Execution
- Brownfields and Property Redevelopment
- Hazardous Waste Site Investigations
- Environmental Sampling

REPRESENTATIVE EXPERIENCE

Ms. Mahoney is a Senior Project Manager and Geologist in TRC's Hazardous Materials Division with 23 years of experience and progressive responsibility in environmental consulting. She has extensive experience in the oversight and management of investigation and remediation of hazardous waste sites. Projects have ranged from environmental site assessments, remedial investigations, feasibility studies, and pre-design investigations to remedial design and completion at petroleum, metals, PCB and chlorinated solvent-impacted sites. Her duties include assessing environmental data for the purposes of reporting as well as designing field investigation programs; writing proposals, work plans and Quality Assurance Project Plans; completing background investigations and receptor surveys; writing Remedial Action Plans and reporting on site investigations and remedial activities. Earlier in her career, she also acted as field team leader for various field programs and conducted Phase I environmental assessments for various Connecticut as well as national clients. Ms. Mahoney's project work has included federal Superfund, RCRA Corrective Action, and numerous State programs.

Environmental Site Assessments, Remediation Activities & CT LEP Services

Connecticut Department of Energy and Environmental Protection, Ellington Landfill – Ellington, CT (Senior Project Manager: 2016 – Present)

Ms. Mahoney is serving as the Senior Project Manager for the Ellington Landfill project. Initial tasks on this project focused on routine monitoring of groundwater, surface water, storm water and potable water at and around the landfill for landfill leachate parameters and reporting on the results of the monitoring. Since 2017, Ms. Mahoney has worked closely with the Landfill Stewardship Operations personnel at the CT DEEP develop a PFAS sampling regimen which started with the sampling of drinking water at four residences in the vicinity of the landfill and has expanded to regular sampling of six key residences

around the landfill and several monitoring wells within the landfill network. In 2019/2020, Ms. Mahoney participated in an engineering evaluation of the potential drinking water treatment systems to mitigate PFAS impacts to two drinking water wells at residences in the vicinity of the Ellington Landfill and has been responsible for overseeing the efforts to sample the efficacy of the treatment systems since their installation in February 2020. Ms. Mahoney has played a primary role in communicating with the residents around the landfill (both verbally and through written communications) regarding the impacts to their potable water supplies. In addition, Ms. Mahoney prepared and participated in delivering, alongside DEEP personnel, a presentation to State legislators who serve Ellington regarding the PFAS impacts to the residential drinking water wells. Currently, Ms. Mahoney is developing a scope of work to add wells to the landfill monitoring well network in support of tracking PFAS concentrations in the local groundwater and to aid in determining if there is a potential additional source of PFAS locally.

Connecticut Airport Authority, Bradley International Airport and CT's Five General Aviation Airports (Program Manager: 2019 – Present)

Ms. Mahoney serves as the Program Manager for the Connecticut Airport Authority (CAA) under a three year contract to provide on-call environmental services. To date, Ms. Mahoney has coordinated and facilitated the completion of multiple tasks that vary in scope and discipline, including: an asbestos and PCB abatement project associated with the demolition of a building in support of the construction of a centralized car rental facility; a large-scale compliance review project for all six CAA-operated airports; NEPA work; wetland delineation work; and an environmental investigation of a former WWII-era military installation area. Ms. Mahoney was also called to the Bradley International Airport in the wake of a vintage B-17 plane crash to assist the CAA in evaluating PFAS and other chemical data derived from sampling conducted by others following the deployment of fire-fighting foam as a result of the crash.

United Illuminating, Former English Station Power Plant – New Haven, CT (LEP and Senior Project Manager: 2016 – Present)

Ms. Mahoney is serving as the CT LEP-of-record for the ultimate verification of the investigation and remediation of the English Station site pursuant to the terms of a Partial Consent Order. In addition, she serves as a Senior Project Manager responsible for assisting the Program Manager in developing cost estimates for individual work scopes developed under the LEP Services Contract awarded to TRC in 2016. In addition to her technical responsibilities on this project, Ms. Mahoney is also responsible for interacting with the client and CTDEEP personnel on a regular basis. The English Station property consists of an island created using spoils dredged over several years from the Mill River and electrical generating activities took place at the site for decades. Historical operations and activities at the site have resulted in impacts to the site soils in particular. TRC has been tasked to date to design investigations of the site exterior to the buildings that focus on soils, groundwater, on-site sediments and on-site surface water as well as investigations of the interior of the English Station building that have undergone asbestos abatement and "make-safe" efforts. Ms. Mahoney has managed the development of several major scopes of study associated with the site to date, has served as a primary point of contact as the main scope of study was implemented and has been instrumental in the preparation of Remedial Actions Plans focusing on PCBs in soil, as well as other constituents of concern impacting site soils.

Terrance Gallagher, P.E.

Environmental/Permitting

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

Terry is a Senior Civil Engineer with over 38 years of experience in a wide range of public and private projects in Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, and beyond. As Project Manager, he is capable of preparing budgets and proposals; organizing staff; obtaining permit approvals; coordinating agency and public efforts; training engineers; hiring subcontractors; and making formal presentations.

Terry has extensive permitting and regulatory experience with local, state and federal requirements related to:

• Inland Wetlands	• Stream Channel Encroachment
• Water Pollution Control	• Dam Safety
• Planning	• Army Corps of Engineers
• Zoning / Appeals Approvals	• FEMA
• State Traffic Commission	• Site Plan Review
• CTDOT Encroachment	• Wetlands Enforcement
• CTDEEP Coastal Area Mgmt	• Regulations Writing
• Water Diversion	• Zoning Compliance

EDUCATION

Bachelor of Science in Civil Engineering
University of Connecticut

Certified Agent, Municipal Inland Wetlands Commissioner Training Program
CT DEP 1999, Part 2 Training Section 2010

LICENSES & REGISTRATIONS

Professional Engineer, CT

American Society of Civil Engineers

CT Society of Civil Engineers

Partners for the Connecticut Low Impact Development and Stormwater General

EXPERTISE

Challenging sites with utility constraints, brownfield revitalization, and sensitive environmental conditions

Site design including plans, road design, earthwork volumes, landscaping, retaining walls, and slope stabilization

Utility work involving sanitary and storm sewer design, inflow-infiltration studies, pumping stations, septic design, water supply, utilities mapping, electric distribution systems, fire protection, and utility coordination

Environmental studies including storm water management; inland and coastal floodplain analyses; wetland mitigation; storm water quality; sediment and erosion control; soils testing; pond dredging; bridge hydraulic studies; and dam design

PROJECT EXPERIENCE

Ansonia Riverwalk Plan (9 Segments)
West Main Street Streetscape, Ansonia
Main Street Enhancements, Berlin
Railroad Avenue TOD, West Haven
Canal Street Reconstruction, Shelton
RHAM Campus, Hebron
Rimmon Street, Seymour
Route 34 Corridor Improvements, Derby
Farrel Boulevard, Ansonia
Kennedy Center, Trumbull
Steelpointe Harbor Redevelopment, Bridgeport
Bass Pro Shops, Bridgeport
Maloney High School, Meriden

Mark L. Ford, L.S.

Land Surveyor

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

Mark has over 40 years of comprehensive land surveying experience and currently serves as Chief of our Survey Department. As Project Manager, Mark is responsible for overseeing property line, topographic, and construction surveying and mapping projects. Given his versatility and team player spirit, Mark can also be found filling the role of land surveyor, survey coordinator, designer, and mapper depending on project demands.

EDUCATION

Porter and Chester Institute

LICENSE & REGISTRATION

State of Connecticut Land Surveyor

EXPERTISE

- CADD mastery
- Mapping
- All phases of bridge and culvert survey techniques
- Construction stakeout and review
- Boundary, topographic, utility ,and street line surveys
- Extensive MDP planning experience

PROJECT EXPERIENCE

Shelton Canal Street Reconstruction
Shelton Canal Street ACOE Permits
Ansonia Riverwalk Plan (9 segments)
Beacon Falls Riverwalk
Aquarion Water Company surveys
RHAM Campus, Hebron
Moose Hill Road, Trumbull
Main Street (Route 34) Reconstruction, Derby
Maple Street Bridge, East Haven
Steelpointe Harbor Redevelopment, Bridgeport
State Street Bridge, New Haven
Railroad Avenue TOD, West Haven
The Haven MDP, West Haven
Pratt Street, Meriden
United Illuminating SUE and Surveys
Southern CT Gas
Maloney High School, additions/renovations, Meriden
Meriden HUB Park

Peter F. Burns

Vice President

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

Mr. Burns has extensive experience with municipal government projects including economic development, community development, municipal development plans and grant application assistance. His years of experience grew from local government to Redevelopment Director to Deputy Commissioner of the Connecticut Department of Economic Development to his current position as Vice President and Director of Marketing and Grant Funding Applications. During his municipal and state service he was directly involved with virtually every city and state agency. He has assisted both public and private parties from initial planning, local financing authorization including referendums to design development through construction and occupancy.

EDUCATION

Attended University of New Haven

Expertise

Grant funding assistance and coordination for USDA RD, EDA, HUD, CTDOT, DECD, STEAP Grants and other non-profit corporation grants including:
NVC Federal and State EDD Designation Application
Coordinate merger of the NVCOG
NVC CEDS experience with the Economic Development Administration (EDA):
Prepared 15 years of grant applications for EDA's CEDS - all approved by EDA
Prepared all Annual Reports and three 5-Year CEDS Plans - all approved by EDA
Supporting Grants/Community and Private Foundations

PROJECT EXPERIENCE

Ansonia Copper & Brass MDP
Shelton Enterprise & Commerce Park
Shelton Canal Street Reconstruction
Ansonia Upper Main Street Revitalization
Derby Commerce Park
Ansonia Fountain Lake Commerce Center (MDP) - USEDA, CTDECD funded
Ansonia Fountain Lake Commerce Center Utility Infrastructure Plans
Small Cities Program for Upper Main Street Façade Restoration
Ansonia Multi-Phase Park and Riverwalk Program (9 Segments)
Urban Redevelopment Projects (2) CTR18 and R19—downtown area—HUD funded
West Main Street Revitalization Site Improvement Plan—OPM Grant
Beacon Falls Downtown Development Plan

Doron Dagan, P.E.

President—Site/Civil Engineering

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

A Civil Engineer for over 37 years, Ron has extensive experience in the design and management of infrastructure projects, large and small, for CTDOT and municipal clients in the Connecticut. As President and Principal-in-Charge of Luchs/DeCarlo & Doll for over two decades, Ron's technical knowledge, leadership experience, and insight lends tremendous value to the projects he is involved in.

EDUCATION

Master of Science, Transportation Engineering
Bachelor of Science, Civil Engineering
Technion-Israel Institute of Technology

Graduate Course Work, Transportation
New York Polytechnic University

REGISTRATIONS & ORGANIZATIONS

Registered Engineer - CT, NY and Israel
American Society of Civil Engineers
Institute of Transportation Engineers

EXPERTISE

Traffic flow analysis

Study and development of traffic calming methods

Signalized and un-signalized intersection analysis and design

Development of signing and striping plans

Maintenance and protection of traffic

Geometric design of roadways (from two lane minor roads to interstate freeways)

Intersection geometric design

Traffic analysis and modeling software

Coordination with local municipalities

Utility investigation and coordination

PROJECT EXPERIENCE

Ansonia Riverwalk Plan (9 Segments)
Beacon Falls Riverwalk
Railroad Avenue Improvements, West Haven
Main Street (Route 34) , Derby
Moose Hill Road Improvements, Trumbull
I-84 Exit 17 and Exit 18, Middlebury & Waterbury
Steelpointe Harbor Development, Bridgeport
    52 acre mixed use site
Canal Street Reconstruction, Shelton
RHAM Campus Traffic Improvements, Hebron
Rimmon Street Reconstruction, Seymour
Woodbridge Town Center, sidewalks and traffic

Robert W. Grzywacz, AIA

Vice President—Architecture Studio

DeCARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

Heading DeCarlo & Doll's Architecture Studio, Bob has designed over one million square feet of corporate and institutional interiors. He has designed small and large spaces for renovation and new construction projects. Integration of new buildings into historic settings is often a goal.

In his 44 years as an Architect, Bob has functioned as project manager; programmer; planner; space, building and site designer; code analyst; developer of construction documents; and construction administrator. Several of his projects have been recognized with prestigious awards.

EDUCATION

Masters of Architecture
Yale University
Bachelor of Science
Lehigh University

LICENSES/Registrations

Licensed Architect, Connecticut and New York
LEED Accredited Professional
NCARB Certificate
American Institute of Architects
Society of Architectural Historians
Society of Industrial Archeology

Expertise

All Design Phases of Architectural Services: Schematic Design, Design Development, Construction Documents, Bidding, and Construction Administration

Restoration, renovation, and new construction

Integration of new buildings into historic settings

Sustainable design, construction, and operations standards

Public facility design

PROJECT EXPERIENCE

New Middletown Area Transit District Headquarters
Valley Transit District Renovations, Derby
Municipal Campus Space Needs, Monroe
On Call Services UCONN
On Call Services Ansonia Board of Education
On Call Services Town of Trumbull
On Call Redevelopment & Zoning City of Norwalk
On Call Services City of Meriden
Historic Restoration, Waterbury City Hall
New East Side Fire Station, Milford
City of Waterbury Fire Headquarters Restoration
Hamden Fire Headquarters
Columbus School Renovations, Bridgeport
The Residences at 66 High Street, Guilford
Celentano School, New Haven
Offices for DeCarlo & Doll / Luchs, Meriden
Historic American Engineering Record,
Various Documentation Projects

Economic Development—Grant Administration

The DeCarlo & Doll Team has successfully assisted and obtained numerous state and federal grants for a number of Connecticut Municipalities. The grants were for Economic Development projects, i.e. Municipal Development Plans (MDP) funded for redevelopment projects, economic development projects, municipal industrial projects, commerce parks for infrastructure programs as well as Upper Main Street and face restoration programs and Small Cities applications for a variety of community development projects.

Economic Development Experience:

US Department of Commerce, Economic Development Administration

Shelton Economic Development Corporation (Comprehensive Economic Development Strategy/ Economic Development District CEDS/EDD). Created with the 19 communities in the Naugatuck Valley Corridor (was originally 20 communities) for the NVC CEDS/EDD program. Tasks included surveys, demographic and community profiles, and preparation of Annual Reports. The reports have been approved and accepted by EDA for over 25 years.

US CARES ACT

EDA funded a 24-month strategy to evaluate the impact of the Coronavirus of the NVC CEDS area. The survey was sent to the stakeholders (19 towns) for an update on workforce development and job training impacts.

Technical Assistance

Prepared for individual communities TA Grant Applications for planning and economic development assistance.

Municipal Public Works

- **Ansonia Fountain Lake Commerce Center**
- **Ansonia Fountain Lake Farrell Boulevard**
- **Shelton Enterprise & Commerce Park** - Phase III and IV. Canal Street East to Wooster Street

including USACOE permit for filling in a portion of the Canal.

- **City of Shelton Small Cities Grant** for construction of the Farmer's Market. Prepared grant application, provided survey, design and construction administration and inspection.
- **City of Derby EDA/DECD** grant for survey, design, permitting—local, state, and USACOE for Commerce Park access road on City owned 24 acre site. Property sold to private developer when road was completed.
- **City of Ansonia Riverwalk Program** provided survey, design, permitting—local, state and USACOE for the various segments of the Riverwalk. Sections 7 and 8 have been completed and Sections 3 and 4 are in the construction phase. The Ansonia Riverwalk is part of the Naugatuck Valley Greenway Trail System.
- **City of Ansonia Copper & Brass MDP** and Infrastructure improvements. Various grants were received : CTDECD Urban Act, Special Appropriations, Naugatuck Valley Brownfields for environmental and demolition grant to date exceed $7.5M.
- **Town of Beacon Falls Special HUD Grant** for Downtown Village (Yesterday, Today and Tomorrow Downtown Plan). Initial phases included the Riverwalk, Veterans Park and railroad parking lot.

Luchs CONSULTING ENGINEERS

DE CARLO & DOLL, INC. ARCHITECTS AND ENGINEERS

ANSONIA RIVERWALK SEGMENT 8 ANSONIA, CT

Sheila O'Malley, Director
Economic Development
City of Ansonia

203-736-5940

The City of Ansonia, acting by and through the Mayor's office incorporated Complete Streets Design concepts into the Ansonia Riverwalk master plan. The Master Plan was developed to spark downtown revitalization and spur economic development utilizing the Federal Transportation Enhancement Grant Program. This Program was intended to incorporate multi-modal transportation elements (rails, bus, car, bike, walking trails) into a Naugatuck River walkway. DeCarlo & Doll provided structure layout and design, topographic mapping, geotechnical report, permitting, specifications and cost estimating services as well as construction management and coordination with MetroNorth in order to develop a multi-use plan that could be phased and implemented based on available dollars.

It also incorporated various other infrastructure improvements including the placement of walkways within existing ROW as well as a greenway on top of the east and west dikes of the Naugatuck River Flood Control System, south of Bridge Street to the Derby town line. The major feature of the Riverwalk is the connection to the Ansonia Riverwalk to the existing Derby Riverwalk at Division Street.

The Ansonia Riverwalk Segment 8 plan incorporates the following:

- Addition of 750'+\- LF of new Riverwalk to the overall Ansonia trail
- ADA access to the Riverwalk from street/ground level
- Pedestrian bridge over the Waterbury rail line south of Bridge Street permitting the Riverwalk to connect Pershing Drive to West Bank Riverwalk platforms
- The prefab bridge is supported on cast in place concrete abutments with flared wingwalls on a spread footing. The truss is a 130' span structure. The overall width of the structure is 13'-1" which includes a 12'-0" clear walkway.
- The project was designed in accordance with CTDOT Office of Rail and conforms to AASHTO Standard Specifications.
- The entire Riverwalk—9 segments covers approximately 10,500+\- LF

Luchs
CONSULTING ENGINEERS

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

SOUTH MAIN STREET
BEACON FALLS, CT

John Betkoski
Chairman Economic Dev. Commission
10 Maple Avenue
Beacon Falls, CT 06403
203-489-0364

Luchs/DeCarlo & Doll's efforts included full professional services from design through construction for the streetscape riverwalk paths, site amenities and streetscape improvements along South Main Street and the Naugatuck River in downtown Beacon Falls. Luchs prepared Plans, Specifications and Construction Cost Estimates focused on Complete Streets Design elements. Luchs also provided bid phase services as well as construction administration and on-site inspection services.

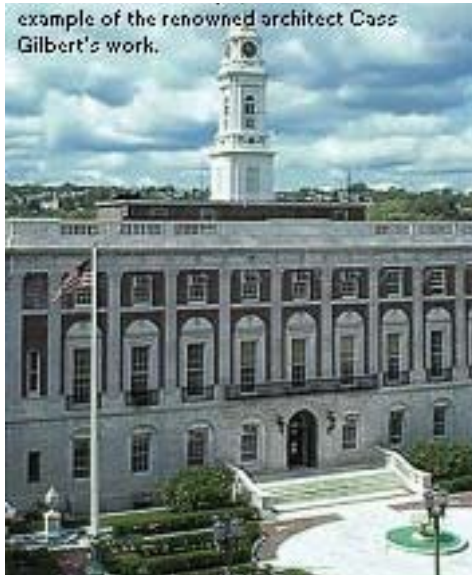
Design services also included:

- Neighborhood Traffic Calming
- Pedestrian safety
- Guiderail
- Fencing
- Ornamental lighting
- Street furniture
- Landscaping
- Surveying
- Interim submittals and reviews
- Regulatory agency permitting

The total length of pathway construction was approximately 1,900 feet. The project also included park sitting areas, overlook to the Naugatuck River and modifications to South Main Street as well as traffic control design for signals at the Route 42 intersection.

SOUTH MAIN STREET IMPROVEMENTS

TATE
& ASSOCIATES



Waterbury City Hall
Waterbury, Connecticut

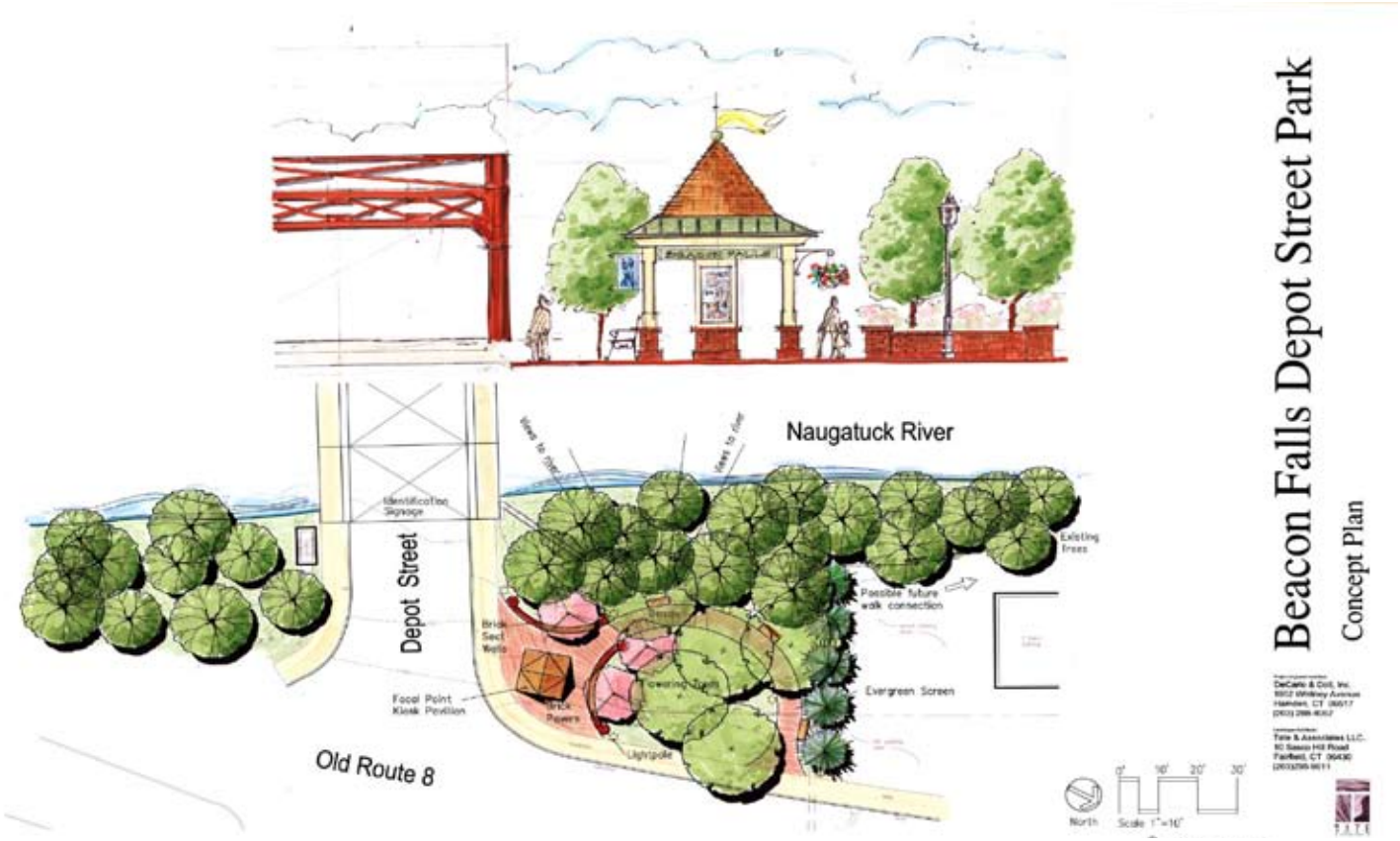
Program:
Historic renovation of City Hall and entourage courtyard. The Waterbury City Hall, designed by Architect Cass Gilbert was built in 1915. The Main Entrance Plaza ('The Entourage') is a symmetrical axial parterre design typical of the early 1900's.

Solution:
Prepare and document survey of existing site features. Save and restore marble fountain, flagpoles and perimeter walls for reinstallation. Replace existing marble and brick pavements and reset using state of the art construction techniques to restore the original Cass Gilbert design. Project won award for merit by the CT Trust for Historic Preservation.

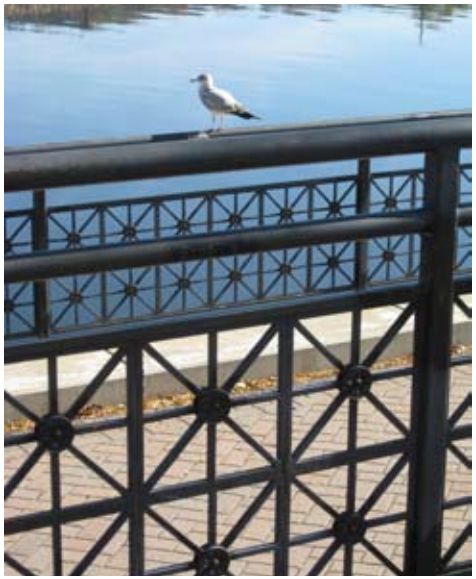
Veterans Park
Beacon Falls, Connecticut

Program:
Assess potential uses for abandoned transformer station to create entry gateway to Beacon Falls.

Solution:
Creation of commemorative park-let with brick walks, benches, historic lighting and visitor kiosk as a landmark feature in the town. The successful project has now expanded by linking the park with pedestrian and bikeways along the river.



TATE
& ASSOCIATES



Shelton Enterprise and Commerce Park "Riverwalk"
Shelton, Connecticut

Program:
Downtown revitalization program to find viable uses for contaminated industrial site.

Solution:
This popular landmark open space along the Housatonic River serves the community for a variety of recreational and cultural events. The park includes active sports fields, pedestrian walks, public plaza, and veteran's memorial with links to downtown and the Farm and Public Market.

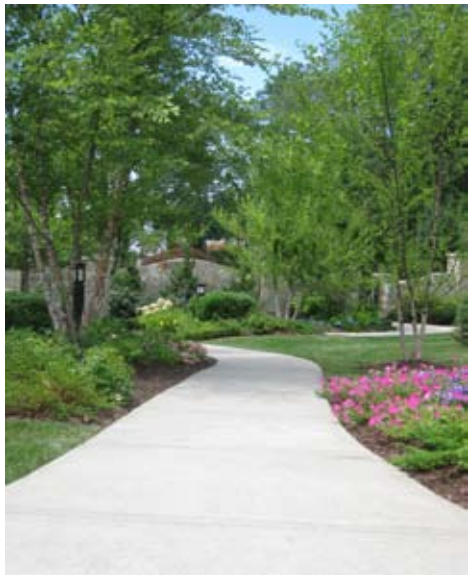
TATE
& ASSOCIATES

Veteran's Memorial
Shelton, Connecticut

Program:
Design of public space commemorating soldiers in each of the four major conflicts of this century.

Solution:
Granite monoliths stand in contrast against the background of wispy grasses along the Housatonic Riverfront. Realistic images and serviceman lost are engraved in the stones. The individual stones symbolize each of the soldiers unique war experience.

TATE
& ASSOCIATES



Terra Nova
Westport, Connecticut

Program:
Landscape masterplan and renovation of upscale planned residential community of 54 homes.

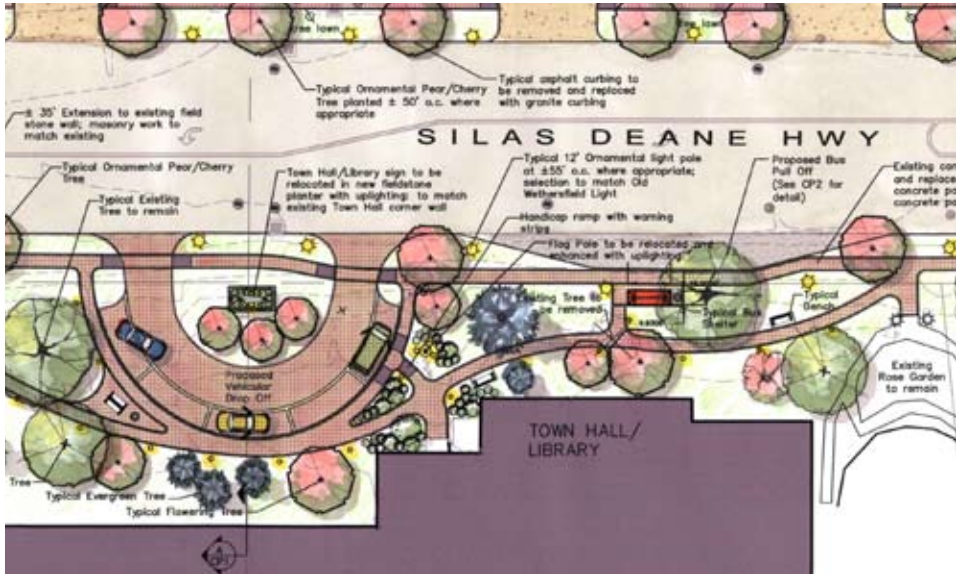
Solution:
Provide seasonal interest with colorful perennial, annual specimen tree and shrub plantings incorporated into a unified plant palette.

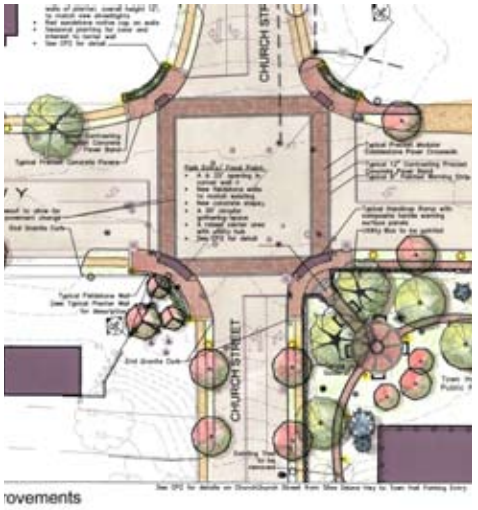
TATE
& ASSOCIATES

Silas Deane Streetscape
Wethersfield, Connecticut

Program:
First phase streetscape improvements for Silas Deane Highway.

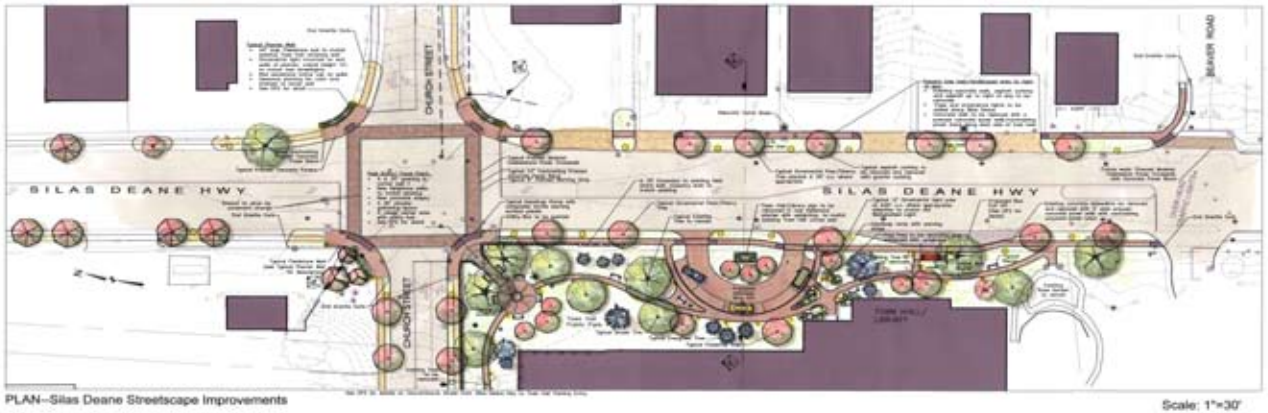
Solution:
Improve image of City Hall / Public Library fascade and public spaces along Silas Deane Highway. Create passive park with handicap accessible pedestrian walkways, benches, new visitor entry, site lighting and landscaping.





Section A-Type Silas Deane Streetscape Improvements — Scale: 1"=10'

Section B-Silas Deane and Church St Intersection Improvements — Scale: 1"=10'



PLAN--Silas Deane Streetscape Improvements — Scale: 1"=30'

Silas Deane Streetscape
Improvement Project, Wethersfield, Connecticut

CP-1

Gomez and Sullivan Engineers, D.P.C. (Gomez and Sullivan or GSE) has been providing specialized engineering and environmental science services to the water resource and energy sectors since 1993. Our staff of approximately 50 individuals based in New York (Utica, Albany, Buffalo) and New Hampshire includes water resource, civil, structural, geotechnical, electrical, and environmental engineers, as well as environmental scientists, regulatory specialists, ecologists, fisheries biologists, geologists, and GIS specialists. Our core services include dam safety, rehabilitation of existing structures, engineering, hydropower licensing, environmental studies, hydrology and hydraulics, fisheries & fish passage, stream & habitat restoration, and information management and geographic information systems.

Gomez and Sullivan is an industry leader in dam safety analysis and design. Our professional staff have participated in the inspection, analysis, design, and construction of well over 100 dams ranging in size from structures that are a few feet high to earthen embankment dams up to 770 feet high. We have worked on a wide variety of dam configurations such as earth embankment, concrete, masonry, timber crib, steel, Ambursen, and composite sections. Our engineering services include design and rehabilitation of dams, inlet works (trash racks, penstocks), outlet works (spillways, gates), hydroelectric stations (powerhouses, hydropower components), dam stabilization measures (post-tensioned anchors), and fish passage structures. Our staff have completed the design or rehabilitation of over 60 dams. Our staff are also experienced with a variety of civil works structures, including canals, locks, movable dams, levees, dikes, floodwalls, bulkheads, piers, harbor facilities, guard gates, Tainter gates, bridges, culverts, and access roads. We are experienced in designing, permitting, and overseeing the construction of recreation enhancements as well, including waterfront trails, pedestrian bridges, boat launches, public fishing access and parking areas, day use/viewing areas, picnic areas and pavilions, comfort stations (including at remote sites), stairways, boardwalks, playgrounds, sports fields, interpretive signage, and Americans with Disabilities Act (ADA) compliant facilities.

Specific to this project, one of Gomez and Sullivan's senior engineers, Dale Griffin, PE, is well-familiar with the area as he was involved in the design and construction of the Derby hydropower plant located in the side channel of the former canal.

Albion Waste Weir Modernization

New York State Canal Corporation (Albion, NY)

Gomez and Sullivan is providing engineering design services for the replacement of three sluice gates and installation of electric gate actuators at the NYSCC Waste Weir in the Village of Albion, Orleans County, NY. The project scope also includes design of instrumentation and controls for remote operation of the gates. Water discharged from the canal through the waste gates enters the West Branch Sandy Creek. The West Branch Sandy Creek travels from the Waste Weir through many road culverts that in the past have experienced significant flooding. To prevent future flooding at these culverts, Gomez and Sullivan conducted a hydraulic analysis to determine the capacity of the culverts along the West Branch Sandy Creek from the Waste Weir to the confluence with the East Branch Sandy Creek and provided data showing the allowable gate positions to maintain the maximum flow without causing downstream flooding. Sediment will be removed from West Branch Sandy Creek and the shoreline and creek bed will be stabilized with rip-rap to prevent erosion when the gates are discharging water. US Army Corps of Engineers and New York State Department of Environmental Conservation permits will be required, and Gomez and Sullivan has completed a Joint Permit Application. Because the Canal system is a National Historic Landmark, elements of the rehabilitation are subject to oversight by the NYS SHPO and approval of plans will be required. As such, the project requires coordination with SHPO on how to replace operating components that are now historic, without eliminating their contributary historic appearance.

Seneca Falls Rehabilitation

Gravity Renewables, Inc. (Seneca Falls, NY)

Gomez and Sullivan prepared construction plans and specification for the rehabilitation of the Seneca Falls Project. The dam is part of the NYS Canal System and was exhibiting extensive concrete deterioration along the downstream face of the spillway and the south wall of the powerhouse structure. We inspected the project site to determine the extent of repairs needed, and to delineate the limits of the repairs. Gomez and Sullivan prepared detailed construction plans and technical specifications for rehabilitation of the project deficiencies. In addition, Gomez and Sullivan also provided consultation to the client throughout the construction phase and responded to Requests for Information (RFIs) from the contractor.

Lock O-5 Gate Replacement & Rehabilitation

New York State Thruway Authority/Canal Corporation (Minetto, NY)

Gomez and Sullivan staff designed the replacement of the lower miter gate and rehabilitation of valve and gate machinery for the lower portion of Lock O-5 on the Oswego Canal. Responsibilities included an in-depth inspection of the lock components; preparation of a Canal Rehabilitation Project Report; design of concrete and steel repairs to the lock chamber, approach walls, gates, gate sill; and gate machinery; and preparation of plans and specifications for the rehabilitation of the structure.

Lyons Tainter Gate Dam Rehabilitation

New York State Thruway Authority (Lyons, NY)

The New York State Thruway Authority, as owner of the State Barge Canal System, engaged Gomez and Sullivan to design and prepare Contract Drawings and Technical Specifications for the rehabilitation of a concrete gravity dam and Tainter gates in Lyons, NY. Services included field inspection, hydrologic/hydraulic analyses, stability analysis, design of reinforced concrete overlays and new concrete sections, drawings and specifications for gate replacement and equipment rehabilitation, preparation of detailed quantity take-off and cost estimate data. The project also included an evaluation of various cofferdam layouts/dewatering schemes for project sequencing.

Remediation

Sustainable Practices, Innovative Technologies

As a pioneer in hazardous and solid waste remediation and management, TRC has built a distinguished reputation as a creative, yet practical, problem solver on many of the largest superfund, RCRA, landfill and site remediation projects nationwide.

Our services include:

Engineering and Construction

- Permitting
- Feasibility Studies
- Remedial Investigation/Remedial Design
- Remedial System Optimization
- Carbon Foot-print Analysis
- Construction Support and Management
- Remedial System Operation, Monitoring and Maintenance
- Brownfield Redevelopment
- Landfill Closure
- Groundwater Modeling and Visualization
- Facility Closure and Demolition
- Geotechnical Design
- Pilot and Treatability Testing
- Life-Cycle Cost Analysis and Modeling
- Forensic Evaluation and Litigation Support
- Self-perform Construction and Construction Management

Ground Water Remediation

- Natural Source Zone Depletion
- Natural Attenuation
- In Well Air Stripping
- Air Sparging/Biosparging
- Containment/Barrier Systems
- Dual Phase Extraction
- NAPL Remediation
- In Situ Chemical Oxidation
- In Situ Chemical Reduction
- In Situ Bioremediation
- In Situ Geochemical Fixation
- In Situ Thermal Treatment
- Permeable Reactive Barriers
- Pump and Treat
- Recirculation and Injection Optimization

Soil Remediation

- Vacuum Extraction
- Subslab Depressurization
- Bioremediation/Bioventing
- Solidification/Stabilization
- Thermal Treatment
- Soil Washing
- Containment and Capping
- In-Situ Chemical Treatment
- Excavation

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

References

DeCarlo & Doll:

City of Ansonia—Riverwalk Master Plan
Ms. Sheila O'Malley, Executive Director
City of Ansonia Economic Development
203.437.1598

Town of Beacon Falls-Riverwalk and Downtown Plan
Gerard Smith, First Selectman
Town of Beacon Falls
203.729.4340

Tate & Associates, LLC:

Mayor Mark Lauretti
City of Shelton
203.924.1555

Laura Pulie, Senior Civil Engineer
Town of Fairfield
203.256.3015

Alicia Mozian, Conservation Director
Town of Westport
Department of Conservation Department
203.341.089

Terry Jones
Jones Family Farms
203.929.8425

GOMEZ AND SULLIVAN ENGINEERS

References:

Mr. Ushakar Jha, PE
Director of Engineering
Rye Development, LLC
745 Atlantic Avenue, 8th Floor
Boston, MA 02111
(864) 320-9293
ushakar@ryedevelopment.com

Mr. Murray Hall
Manager Generation
Energy Ottawa New York
7659 Lyonsdale Road
Lyons Falls, NY 13368
(613) 382-7312
murrayhall@energyottawa.com

Mr. Michael Utley
Project Manger
Exelon Generation Company, LLC
300 Exelon Way
Kennett Square, PA 19348
(302) 632-1832
mike.utley@exeloncorp.com

DE CARLO & DOLL, INC.
ARCHITECTS AND ENGINEERS

Section 3

3

Proposed Project Approach

Proposed Segmented Phase Plan for the Shelton Canal Locks Park Project:

Phase 1: Develop a Restoration Plan	
Develop a Destination Park as illustrated on Drawing S-1	Determine Site Access to Dam
Survey Existing Conditions	Prepare Conceptual Public Access Parking Area
Structural Analysis	Assessment of ADA Access to the River
Determine Structural integrity of Locks components	Prepare Riverwalk Footbridge Plan
Develop a Loop Riverwalk System connecting to Canal Park and beyond including Canal Street	Develop a Future Connection to the Riverview Trail as identified by the Trails Group Bluff Walk in Riverview Park
Coordinate with City Officials—connection of Canal Street and current improvements to the proposed Riverwalk extension and the Locks extension wherever possible using public private cooperation to extend a minimum 25' right of way	Existing environmental conditions need to be remediated

Phase II—Schematic Design	
Permits – Environmental , Borings, Testing, Supplemental Survey	Probable Cost statement
Right-of-Way (ROWs)	Identify Funding Sources
Structural needs of bridges and other infrastructure improvements	

Phase III—Construction	
Developing a Budget	Securing Permits
Design Development	Predicated on the findings of the results on the above phases we will then begin the final design, construction documents, various and necessary permits including funding sources both public and private.

DE CARLO
& DOLL, INC.
ARCHITECTS AND ENGINEERS

4

Section 4

City of Shelton Forms

NON-COLLUSION AFFIDAVIT

CITY OF SHELTON
54 HILL STREET
SHELTON, CT 06484

State of (Connecticut):

County of (New Haven):

I state that I am the President (Title) of DeCarlo & Doll, Inc. (Name of Firm)

And that I am authorized to make this affidavit on behalf of my firm, its owners, directors and officers. I am the person responsible in my firm for the price (s) and the amount of this proposal.

I state that:

(1) The price and the amount on this proposal has been arrived at independently and without consultation, communication, or agreement with any other bidder/proposer.

(2) Neither the price(s) nor the amount of this proposal and approximate price(s) nor approximate amount of this proposal has been disclosed to any other firm or person who is a bidder/proposer and that no disclosure of these items will be made prior to proposal openings.

(3) No attempt has been made or will be made to induce any firm or person to refrain from proposing on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally higher or non competitive proposal.

(4) Neither the said Bidder nor any of its officers, partners, owners, representatives, employees or parties in interest, including this affidavit, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or for any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any Bidder, or to secure through any collusion , conspiracy, connivance or unlawful agreement any advantage against the City of Shelton, owner, or any person interested in the proposed Contract.

(5) The proposal of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complimentary or other noncompetitive proposal.

(6) I state that DeCarlo & Doll, Inc. (Name of Firm) understands and acknowledges that all representations of this affidavit are material and important, and will be relied on by the City of Shelton in awarding a contract for which this is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from the City of Shelton of the true facts relating to the submission of proposals/bids for this contract.

Ronald J Nault
Signature of Proposer

Sworn to and subscribed before this 12 day of August, 2021

Dawn Crandall
(Notary Public)

My Commission Expires: _____

DAWN CRANDALL
NOTARY PUBLIC OF CONNECTICUT
My Commission Expires 10/31/2023

City of Shelton
54 Hill Street
Shelton, Conn. 06484

203-924-1555
Fax: 203-924-4273

August 4, 2021

ADDENDUM # 1

BID# 42-06: RFQ Engineering Services For Shelton Canal Locks Park

Please note a date change on the 12th page into the bid packet (last page prior to the pictures),which read that:

"Letters of interest and corresponding documents must be received no later than 11:00 AM on **Thursday September 2, 2021**. Reponses received or postmarked after this date will not be considered."

The correct date is **Friday, August 27, 2021**, no later than 11:00 AM local time. Please complete and sign below and submit this Addendum # 1 with your sealed Bid to the City.

Sincerely,

Paul H. Hiller, Director of Finance
City of Shelton
203-924-1555 x 1318
p.hiller@cityofshelton.org

I have received Addendum # 1 to Bid # 42-06

Company Name: DeCarlo & Doll, Inc.

Contact name (PRINT) : Ronald J. Nault, P.E., President

Contact Signature: Ronald J Nault

Date: August 12, 2021